

KNX Catalogue

# Plan for intelligent Future Safety

Building Control Systems



Efficiency is the  
success factor in  
modern buildings



Contemporary  
building control  
has got to be easy  
and intelligent

# Table of Contents

KNX - Intelligent Building	4
New products at a glance	24
eConfigure Software	34
Power Supplies Overview	35
System Components	36
Energy Management	46
Interfaces/Gateways	48
Wiser for KNX	50
space Lynk	52
BMS IP Gateway	54
Hybrid Module	55
Control and Display Devices	56
Access Control	62
Push-Buttons	64
Binary Inputs Overview	110
Binary Inputs	112
Movement/Presence Detectors Overview	116
Movement Detectors	120
Presence Detectors	125
Special Sensors	135
Switch Actuators Overview	146
Switch Actuators	150
Blind Actuators Overview	170
Blind Actuators	172
Blind Switch Actuators	178
Hybrid Actuators	183
Dimming Actuators Overview	190
Dimming Actuators/Control Units	194
DALI	206
Special Actuators	210
Room Temperature Control Units	211
Accessories	232
Index	233



Intelligent building control simply implemented!

# KNX combines current requirements into one system

KNX is the intelligent building control system for all areas in which your customers live and work. From single-family houses to office complexes, the comprehensive portfolio of KNX solutions from Schneider Electric enables you to achieve flexible, energy-efficient, comfortable and safe solutions that are easy to plan, install and operate.



A KNX system grows with the customers' requirements

## Comfort

Everyone nowadays expects more comfort and convenience in their domestic and working lives. What is called for are comfortable solutions that can be operated straightforwardly and without fuss, to make living and working easier.

## Cost efficiency

Intelligent networking of all building systems can avoid unnecessary energy consumption and reduce operating costs on a sustained basis. The ability to expand modular KNX system technology ensures economical solutions that are guaranteed to remain tailor-made over the long haul.

## Flexibility

In order to allow for flexible room usage over several decades, it is necessary for building functions to be adapted to the users' requirements easily in a cost-effective way – without the need for walls to be opened up and new cables to be laid.

## Safety and security

To let residents feel as safe as possible, building technology must be able to react in a fast and intelligent way in any situation and at any time. No matter whether the building is full of life or quiet.

## Combining building control with the technologies of the future



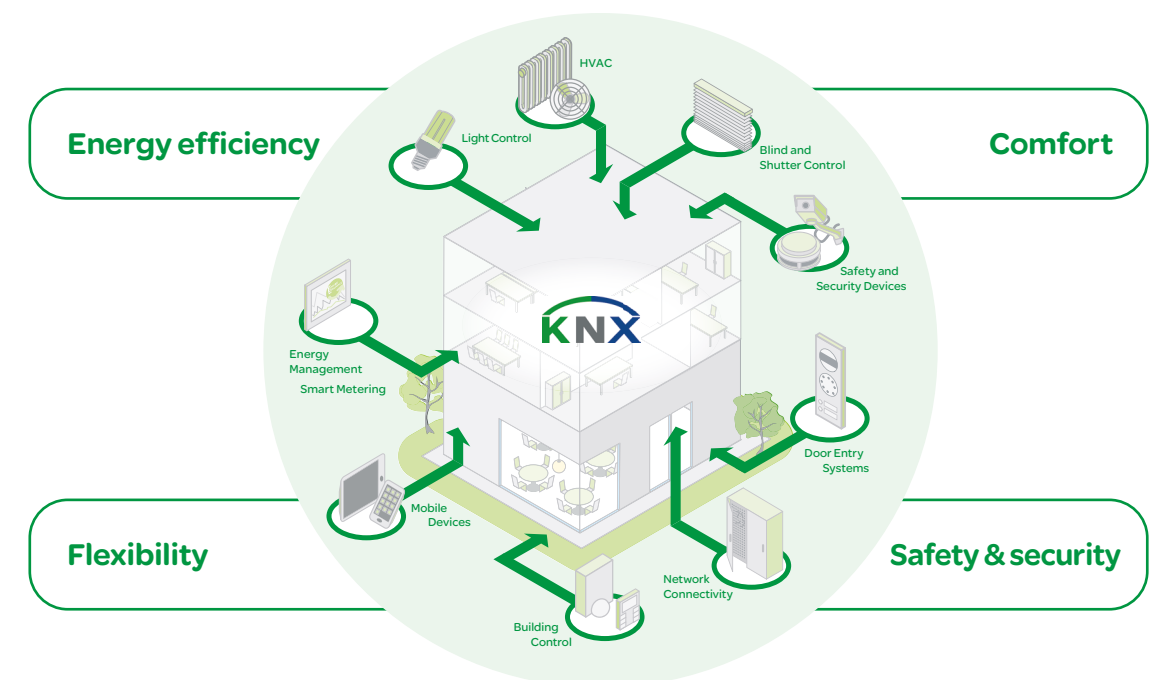
KNX combines modern building technologies in one system

Energy efficiency

Comfort

Flexibility

Safety & security







# The advantages of modern building control with KNX

KNX offers convincing flexibility and cost efficiency. Whether in new buildings or for retrofitting, in private homes, offices, hotels or public buildings – KNX installations can easily be expanded and adapted again and again to new requirements.



The more extensive the application, the greater the efficiency

## Low operating costs

KNX enables the operating costs of a building to be reduced in the long term by only activating loads such as air conditioning, heating and lighting when they are actually needed.

Control is effected automatically by means of time profiles as well as movement and presence detectors, thus leading to significant energy savings in offices and public buildings in particular.

## Time savings

By networking all components via a single bus, it is possible to simplify the cable routing,

reduce the complexity of the wiring and make the system both clearly comprehensible and easy to expand. The Engineering Tool Software (ETS) makes the planning, installation and configuration of KNX easy, quick and efficient.

## Flexibility and expandability

Changes of use are also effortless with KNX. The installation can be adapted to modified requirements or future developments at any time. Additional components can be integrated into the existing bus system without requiring further installation work.

# Greater safety, security, comfort and efficiency in all building types

## Comfort, safety and security in private homes

In private homes, the priority is on control convenience with high levels of safety and security. KNX conveniently connects different utilities together, realising comfortable solutions that are easy to operate and have intelligent functions for when the residents are not at home. Intelligent light and scene control provides the householders with a good feeling of safety and security – day and night.

Furthermore, the possibilities of KNX do not end at the boundaries of the property. Many functions can also be controlled from mobile devices or PCs by online access.

## Flexibility and efficiency in offices and public buildings

Flexibility and cost efficiency are particularly important when it comes to commercial buildings. Due to their large number of differently used areas, offices and public buildings offer plenty of scope for significant energy-savings.

Automated building control can be perfectly adapted to the behaviour of users, and changed at any time in a straightforward procedure without any major expense.





## Perfect working conditions

During everyday office activities, KNX solutions facilitate work and save energy – fully automatically. Adapting the lighting, heating and air conditioning to particular situations means that optimum working conditions can be achieved at any time. Unnecessary energy consumption is prevented by ensuring that loads are switched off automatically.



A KNX installation in the office raises the degree of comfort and transparency and saves energy at the same time

### Open-plan office

#### Flexible lighting control

It is a normal situation in open-plan offices that employees do not leave their workplaces at the same time in the evening, but in dribs and drabs. Presence detectors over the desk clusters detect when areas are no longer being used, and then automatically deactivate the lighting. Constant lighting control ensures an ideal lighting situation from morning to evening.



spaceLYnk



ARGUS presence detector

### Conference room

#### Presentation mode at the push of a button

With KNX, it is amazingly easy to prepare a presentation. At the push of a button, the lighting is dimmed in the entire conference room, the blinds and the presentation screen are lowered, the sound system and the beamer are activated, and the heating or air conditioning are set to the required temperature. And if the meeting turns out to be a long one, CO<sub>2</sub> sensors automatically activate the ventilation system.



KNX push-button plus with room temperature control unit



OptiLine

## Secure living comfort

In the home, a modern KNX installation increases the quality of life by allowing everyday building functions to be controlled easily, more comfortably as well as more safely and cost-effectively with KNX.



KNX offers various control modes: manual, automatic, or mobile

### Entrance area

#### Greater safety and security with central functions

It gives you a good feeling when you can see at a glance on leaving a building that everything is OK. A Touch Panel in the entrance hall provides an overview of the building status and allows central functions such as the "presence simulation" or "central off". Selected loads such as the lighting or appliances connected to socket-outlets can be integrated in functions of this kind. When the householders are absent, sensors detect storms or excessive sunlight and automatically activate awnings and blinds in the relevant areas as a protective measure.



SpaceLogic KNX Touch IP 7

### Living room

#### Individual living comfort

Whether you plan to spend your evening playing games, watching TV or reading, or to have a cosy get-together with friends – every situation can be enhanced with an individual KNX scene. At the push of a single button, all required functions are activated at the same time: blinds are lowered, mood lighting is switched on and the room is heated or air-conditioned to just the right temperature. At the end of the evening, all functions can be switched off at the push of a button, thus putting the entire home into energy-saving night mode.



KNX push-button plus with room temperature control unit



Flush-mounted movement detector control unit





# KNX – Technology with future

## Systematic building control

As a global standard in building system technology, KNX offers unique advantages for all users. By intelligently linking together distributed system components via a bus system, it is possible to offer not only many more possibilities than in a conventional installation but also significant potential in the areas of energy efficiency, safety, security and comfort.



KNX guarantees that all components are compatible

### Future-proof industry standard

KNX is the world's open standard for house and building system technology. In Europe, KNX is established in the EN 50491 and CEN EN 13321-1 and 13321-2 standards, and internationally by the ISO/IEC 14543-3 standard. In China, it corresponds to the GB/Z 20965 standard, and in the USA to the ANSI/ASHRAE 135 standard. KNX is thus a globally valid as well as applied standard. All KNX products from all manufacturers are certified by the KNX association. This means all components are guaranteed to be compatible and future-proof, across all manufacturers. The Engineering Tool Software (ETS) simplifies the tasks of project planning and commissioning of all KNX-certified products.

### A successful system in figures

The total of around 300 members in 33 countries speaks for itself. At present, there are more

than 7,000 certified product groups, and about 70,000 projects have been implemented to date. This corresponds to more than 15 million installed KNX products. Today, there are already more than 30,000 ETS users who have been trained in one of the 150 training centres worldwide. Training and development of KNX are supported by 60 partners from the business and training establishments.

### A strong partner for KNX solutions

Schneider Electric, the global specialist for energy-efficient solutions, offers a complete assortment of KNX products – from the strong design of the control interface through to all necessary DIN rail system components. All energy-saving solutions can be harmonised with one another in order to compose the right system for every need.



Simply intelligent: an installation bus carries all control signals within a building

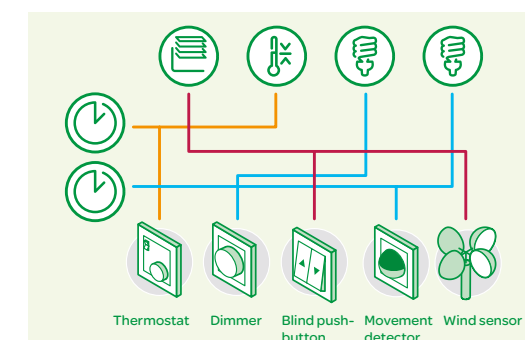
## The intelligent bus principle

In conventional electrical installations, the control functions are mostly carried over the load cables. This means each function needs its own control cable. The intelligent solution is achieved by the installation bus which carries all the control signals in a building, thus making subsequent changes easy to implement.

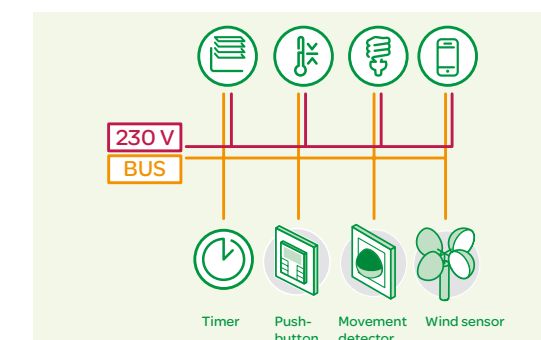
### One bus for maximum flexibility

As part of a conventional electrical installation, it is necessary to specify how and where household systems are to be controlled prior to the building work. A KNX installation is flexible, because all functions can be changed and expanded at any time.

The two-wire installation bus routed in parallel to the 230 V electrical power supply connects all devices and systems of the household technology together, and transmits all the control signals. This is based on fast transmission rates with the highest levels of immunity to interference.



The conventional solution: many separate lines, meaning less flexibility



The intelligent KNX solution: the bus carries out all control functions for maximum flexibility





## The system components

All the devices for a KNX installation are connected together by a bus, thus allowing them to exchange data. The function of the individual bus devices is determined by their project planning, which can be changed and adapted at any time.



A KNX system is modular and flexible

### System devices and components

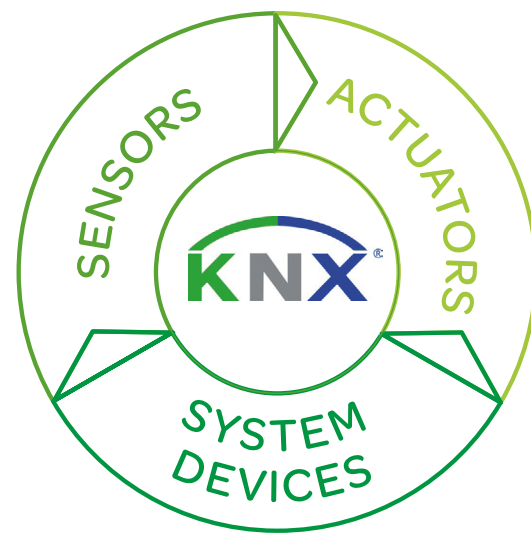
They are needed for the fundamental functioning of the system. They consist of power supply units for generating bus voltage, couplers for connecting bus segments and interfaces for connecting programming devices.

### Sensors

These are the starting point for every action, because they gather information and send it on the bus as a data telegram. This can be information about room temperatures, movements, wind measurements or manually input instructions.

### Actuators

They receive data which are then converted into actions. This can include controlling blinds, dimming lights or controlling heating and air conditioning systems.



### System devices (selection)



Power supply unit



KNX logic module



USB interface  
REG-K



Line coupler



SpaceLogic KNX  
IP Router



### Sensors (selection)



KNX push-button



Movement detector



Room temperature  
control unit



Binary input



Anemometer

### Actuators (selection)



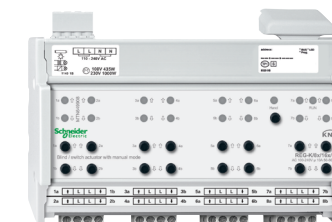
Switch actuator



Dimming actuator



Heating actuator



Blind actuator



KNX DALI-Gateway

# Energy Efficiency with KNX

Energy saving is not just a matter of conviction but is also a cost factor that puts money in your customers' pockets. KNX offers the optimum basis for energy efficiency and can be expanded with additional components as required.



Energy Saving just by visualising consumption

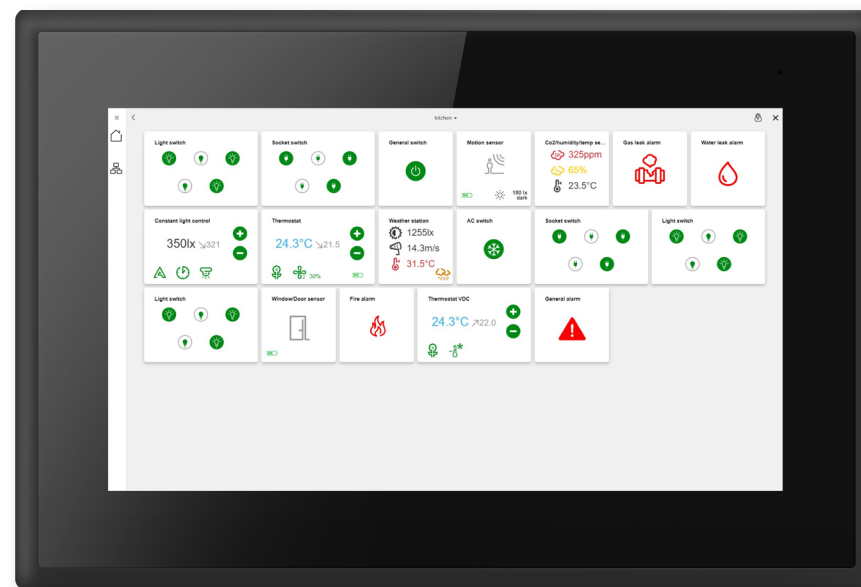
## Comprehensive energy management

Schneider Electric – leading supplier of energy management solutions – offers a large scope of energy solutions which can be perfectly combined KNX Touch IP 7. And all of this is from a single source, so compatibility is assured.

LifeSpace Management is a comprehensive solution that you can adapt to each customer's individual situation.

## Measuring and visualising – the first step to savings

Energy efficiency starts with the clear visualisation of all energy consumption values. Studies have shown that simply visualising energy consumption values prompts users to change their behaviour – with a potential saving of up to 10%!



SpaceLogic KNX Touch IP 7

## Saving and evaluating energy data

The energy data can be measured and recorded, and then displayed as graphs. The longer the time frame of energy recording, the more precisely a building can be evaluated in terms of energy.

Devices with a high energy consumption can easily be identified, and their consumption can be immediately optimised.

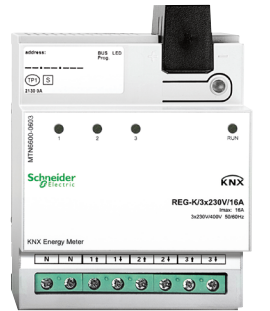
# Improvement starts with a decision about what to measure

The trump card of LifeSpace Management is flexibility. For each requirement, Schneider Electric offers solutions for achieving individual energy efficiency concepts and energy saving scenarios. The com-

ination of switch actuators with current detection or KNX Energy Meter plus individually set switching times helps your customers to save energy.

## Monitoring with high accuracy

The KNX Energy Meter provides energy measuring with class 1 accuracy for single and groups of devices. It measures total and period energy as well as instant power and provides 8 different alarm thresholds. When consumption exceeds preset limit, commands for switching or dimming can be sent or KNX scenes can be activated. The commands can be provided with adjustable delays if needed. Alarms can be sent to Touch IP 7 as well in case of current power, e.g. if server cooling falls below preset limits.

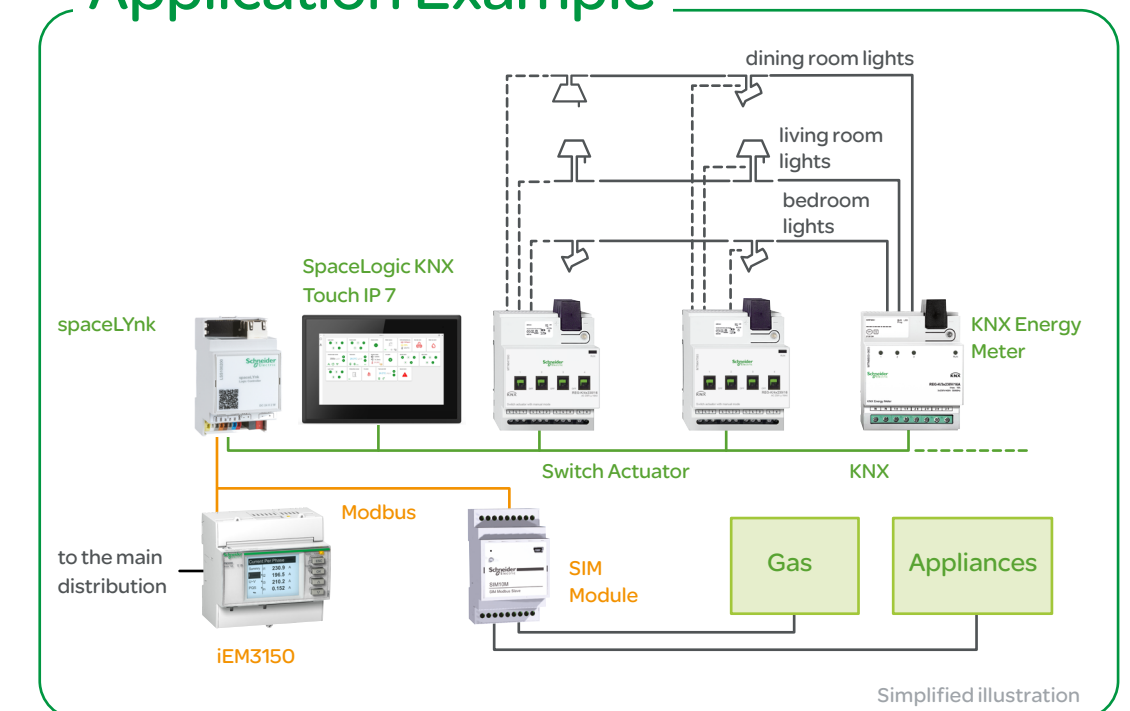


## KNX and Modbus: an intelligent combination

The KNX Metering Gateway combines the expertise of the Modbus open standard with KNX intelligent building control. Measured values of up to 10 meters with a Modbus interface and connected SIM modules for recording gas and water consumption via impulse can be integrated into the KNX Energy Management, thus enabling comprehensive analysis of consumption.



## Application Example





# Become the building manager for your customers

## Flexibility for today and tomorrow

There is a great desire for flexibility in both privately and commercially used properties alike. Demands change, and this has effects on the existing electrical installation. On such occasions in particular, it is good to be able to benefit from the advantages of flexible building control.



KNX configurations can be changed easily and inexpensively

### Flexibility right from the start

Even during the planning of a new building, KNX offers the greatest possible flexibility for future room use. In this way, for example, meeting rooms can be designed for different forms of use – from conference through to presentation mode. It is easy to reconfigure individual KNX scenes, even when individual employees change locations.

### Changing the use of rooms and floors

Whether a private home, an office complex or a hotel – the KNX structure can be adapted and

expanded in response to changes of use or modified partition positions without requiring new installation cables. This applies to retrofitting individual functions just as much as creating new central functions. Functional buildings with a KNX installation are especially attractive because it is easy to gear them up for new requirements; consequently, they remain straightforward to let or sell. Thanks to the comfortable configuration with ETS, it is quick, easy and inexpensive to make changes of function – from the single room to the entire office floor.



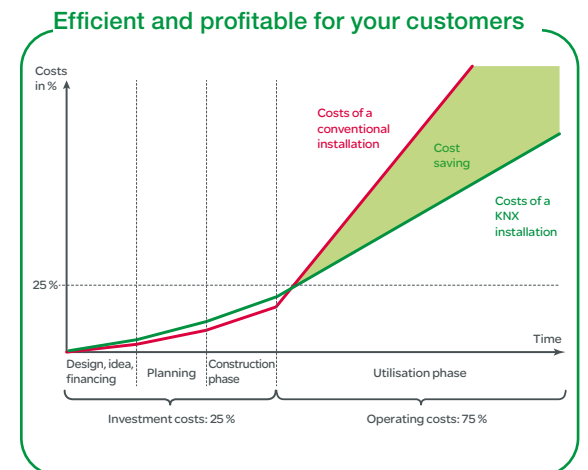
## Profitability for your customers

Factors that are decisive for the cost efficiency of a KNX installation include the ongoing operational costs and, in particular, the investment costs, compared to conventional systems. The required range of functions is quite decisive in this case, because KNX will very quickly make itself pay if the functions go beyond those possible from a conventional solution.



With KNX, it is possible to save up to 30% operating costs in the long term

When it comes to a comparison between the investment costs of a KNX system and those of a conventional installation, what counts is the required range of functions. Often, even simple scene functions can be implemented more cost-effectively with KNX than on a conventional basis. One aspect to remember with regard to investment costs concerns the lower operating costs. As time goes by, building management requirements will change: private homes will be inhabited by several generations, rooms in commercial objects are put to different uses in their lifetime due to reorganisation or new tenants. Whereas a change of use or an expansion of a conventional installation is complicated and expensive, the flexibility of a KNX system pays off due to the minimum level of complexity. KNX opens the door to many possible savings in terms of a building's operating costs. From demand-related lighting control to energy management, the potential savings are determined by the depth of use.







## Intuitive user interfaces

The familiar KNX system devices, actuators and sensors are now complemented by the new KNX Multitouch Pro and KNX Push-button Pro – two new user interfaces that provide more functions and flexibility than a conventional range of multi-function push-buttons. They are also easy to install and commission, saving you valuable time.

### In touch with comfort

The new KNX Multitouch Pro and Pushbutton Pro user interfaces are the perfect addition to modern KNX installations. They feature a high-quality design that sits perfectly flush in D-Life frames and an operating interface that has a similar look and feel to that of a smartphone or tablet. Incorporating innovative technology, this range delivers the ultimate in convenient operation and flexible control for room comfort functions.



KNX Multitouch Pro and  
KNX Push-button Pro,  
D-Life Metal, nickel metallic

## KNX Multitouch Pro

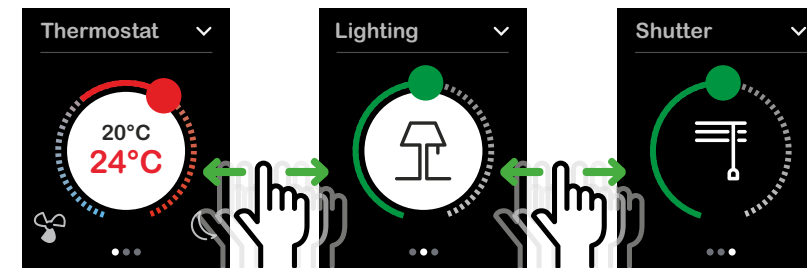


The new KNX Multitouch Pro stands out thanks to its exceptional design. Its function control is similar to that of a smartphone or tablet. Swiping is used to achieve simple and intuitive switching between eight possible main functions. The unit offers a choice of two interface designs, vertical or rotary, which can also be used in combina-

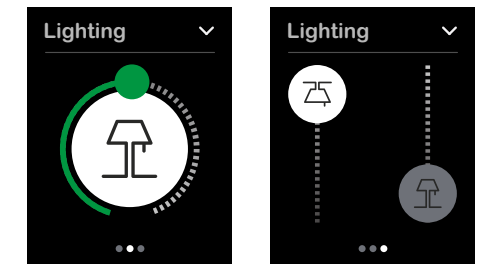
tion.

### Special product features:

- Proximity sensor: Display illumination is activated automatically upon approach
- Gesture function: controls one previously defined function using a particular gesture
- Customizable screen saver



Swipe to switch between main functions



Lighting control –  
in rotary display mode  
Uses a control-dial  
look and feel

Lighting control –  
in vertical display  
mode  
Enables control of  
two functions per display

## KNX Push-button Pro



High-quality design and intuitive operability – the new KNX Push-button Pro concentrates on what is essential.

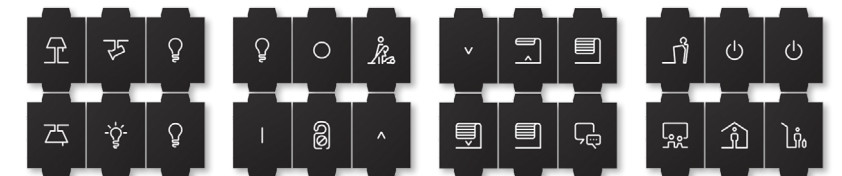
The individual touch-sensitive zones of the sensor cover are shown using illuminated function icons that shine through the translucent surface and emphasize the high-quality look of the new push-button.

The sensor cover is available in all the System D colors.

Up to four light, shutter and scenario functions can be controlled using the KNX Push-button Pro. This means that, in combination with the KNX Multitouch Pro, it offers the perfect solution for intuitive and flexible room control at home or in commercial spaces.

### Customizable

The foil set included with the KNX Push-button Pro interface allows you to clearly and professionally label basic functions. A blank carrier foil can also be used to add individual symbols as required.



Individual symbols for use with carrier foil



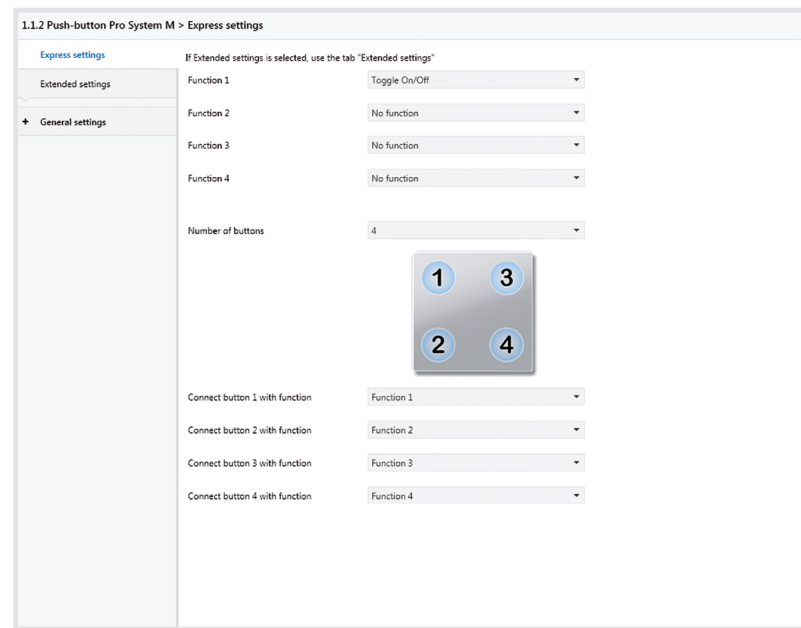
# Installation and commissioning

The new KNX user interface range offers a completely new approach to planning, commissioning and installation. Simpler, faster and more flexible.

## Features that you and your customers will love

In the past, all KNX functions had to be pre-defined before installation. Now the new KNX user interface makes planning simpler. Only two references are required for a simple KNX installation in all rooms, based on the number of required functions. The allocation of desired functions can be implemented at the time of commissioning.

An express commissioning feature enables rapid project design. Frequently used functions are pre-defined in the ETS application. The allocation of desired functions can be modified at any time with no risk of losing group addresses. The KNX Multitouch Pro and KNX Push-button Pro do not require an additional power supply.



ETS express settings for the KNX Push-button Pro.

# Flexible in every detail

At Schneider Electric, comfort, safety, security and flexibility are combined with an extensive variety in design and function. Customers' wishes can be met easily, from the movement detector to the touch panel.

## Example: Merten System M



KNX push-buttons



KNX push-button 4-gang plus with room temperature control unit



KNX push-button 2-gang plus with room temperature control unit



KNX push-button 1-gang plus



KNX push-button 2-gang plus



KNX push-button 4-gang plus



KNX push-button 4-gang plus with IR receiver



Push-button modules



Push-button 1-gang



Push-button with 1/0 imprint 1-gang



Push-button 2-gang



Push-button with 1/0 imprint and up/down arrows 2-gang



KNX Movement and presence detectors



KNX ARGUS movement detector 180, flush-mounted



KNX ARGUS movement detector 180/2.20, flush-mounted



KNX ARGUS presence detector, flush-mounted

## Example: Unica



KNX push-buttons



KNX push-button



KNX push-button with IR receiver



KNX push-button, 2-gang



KNX room temperature control unit



KNX Movement and presence detectors



KNX movement detector

## Example: Altira



KNX push-buttons



KNX push-button



KNX push-button with IR receiver



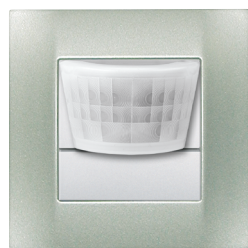
KNX push-button, 2-gang



KNX room temperature control unit



KNX Movement and presence detectors



KNX movement detector

## Switch actuators



## SpaceLogic KNX, Secure, Switch/Blind Master



Version	Art. no.
white	MTN6705-0008S

This device is KNX Secure certified.

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX Secure compatible:** The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Blind actuator functions:** Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

**Supply voltage:** KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Nominal voltage:** AC 250 V, 50-60 Hz

**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**

**Motor load:** 1000 VA

**For each switch output:**

**Nominal load**

**Incandescent lamps:** 2300 W

**Halogen lamps:** 2300 W

**LED:** 200 W

**Capacitive load:** 10 AX, max. 140  $\mu$ F

**Inductive load:** 10 A,  $\cos\phi = 0.6$

**Relay data - inrush current:** max. 800 A/200  $\mu$ s, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

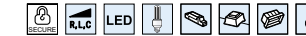
**Accessories:** SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal.

## Dimming actuators



## SpaceLogic KNX, Secure, Dimmer Master



Version	Art. no.
white	MTN6710-0102S

This device is KNX Secure certified.

Dimming actuator with 2 channels for switching and dimming **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX Secure compatible:** The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Dimmer actuator functions:** Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

**Switch/Blind actuator functions:** same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

**Supply voltage:** KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Dimmer type:** 3-wire, RC mode, RL mode, RL LED mode

**Power dissipation:** < 6 W

**Dimmer Outputs**

**Channels:** 2 (different phases possible)

**Nominal voltage:** AC 110 - 240 V, 50/60 Hz

**Nominal power:**

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

**Device width:** 4 modules = approx. 72 mm

**Accessories:** SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal

## Hybrid Module



## SpaceLogic KNX Hybrid Module



Version	Art. no.	
white	<b>LSS100400</b>	<b>New</b>

The Hybrid Module integrates ZigBee wireless devices from Wiser™ offer to an installation that is realized with the controller Wiser for KNX (LSS100100) or spaceLynk (LSS100200). The user is then able to control Wiser™ devices from their KNX installation and control KNX devices from their Wiser™ devices. The Hybrid Module and its configuration plugin is designed for residential and commercial installations.

The Hybrid Module is powered by separate 24 V power supply and connected to the controller via RS232 communication interface. Once the ZigBee devices are paired with the controller, they are mapped in KNX objects and can be used like any other KNX device. Moreover when Wiser for KNX is used, the wireless devices can be controlled via the Wiser KNX app (Wiser KNX App, available in specific countries).

Because the list of Wiser devices is constantly growing, please visit <https://www.go2se.com/ref=LSS100400> in order to refer manual for latest supported device list. The supported devices may vary depending on the country.

**Features:**

- Hybrid Plugin is available on Marketplace always up to date
- Easy integration and configuration of ZigBee wireless devices
- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

**Supply voltage:** DC 24 V

**Display elements:** LED bicolor (Red/Orange)

**Interfaces:** Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)

**Ambient temperature operation:** 0°C to +45°C

**Device width:** 1 modules = approx. 18 mm

**Antenna**

**Transmitting frequency:** 2405 MHz ... 2480 MHz

**Transmitting power:** max. +10 dBm (10 mW)

**Cable length:** 3 m

**Scope of delivery:** SpaceLogic KNX Hybrid Module, SpaceLogic KNX Hybrid Antenna LSS100410

## SpaceLogic KNX Hybrid Antenna



Version	Art. no.	
black	<b>LSS100410</b>	<b>New</b>

Spare part.

Hybrid Antenna for connection to the SpaceLogic KNX Hybrid Module. The antenna is placed outside the cabinet. With magnetic base.

**Transmitting frequency:** 2405 MHz ... 2480 MHz

**Transmitting power:** max. +10 dBm (10 mW)

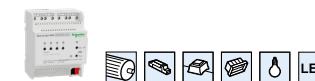
**Cable length:** 3 m



## Hybrid Actuators



## SpaceLogic KNX Hybrid Switch Actuator REG-K/4x250/10 with manual mode



Version	Art. no.	
4 channels, white	<b>MTN6700-0104</b>	<b>New</b>

**For the Chinese market.**

For independent switching of 4 loads or for controlling up to 2 blinds/roller shutters, 1 fan coil with 3 levels, two 2-pipe valve controls or one 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 9 mA, maximum 20 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 2x 6-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:** >1x10<sup>6</sup>

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25...+55 °C

**Transport temperature:** -25...+70 °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Dimensions (WxHxD):** 72x90x64 mm

**Contents:** With bus connecting terminal and cable cover.



## New products at a glance



## SpaceLogic KNX Hybrid Switch Actuator REG-K/8x250/10 with manual mode



Version	Art. no.	
8 channels, white	<b>MTN6700-0108</b>	<b>New</b>

**For the Chinese market.**

For independent switching of 8 loads or for controlling up to 4 blinds/roller shutters, 2 fan coils with 3 levels, four 2-pipe valve controls or two 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 10 mA max. 22 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi = 0.8$ ) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi = 0.45$ ) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 250 W, cos  $\phi \geq 0.6$

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi \geq 0.6$

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 8 channels: 3x 6-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 192 A/1.2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70 °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

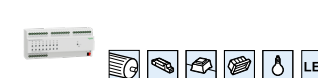
**Dimensions (WxHxD):** 72x90x64 mm

**Contents:** With bus connecting terminal and cable cover.

## New products at a glance



## SpaceLogic KNX Hybrid Switch Actuator REG-K/16x250/10 with manual mode



Version	Art. no.	
16 channels, white	<b>MTN6700-0116</b>	<b>New</b>

**For the Chinese market.**

For independent switching of 16 loads or for controlling up to 8 blinds/roller shutters, 4 fan coils with 3 levels, eight 2-pipe valve controls or four 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 10 mA max. 26 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi = 0.8$ ) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi = 0.45$ ) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W, cos  $\phi \geq 0.6$

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi \geq 0.6$

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 4x 8-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

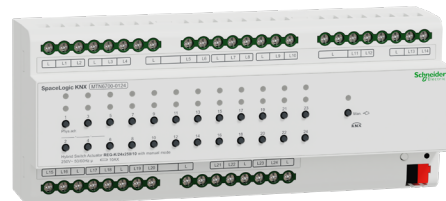
**Transport temperature:** -25 ...+70 °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Dimensions (WxHxD):** 216x90x64 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Hybrid Switch Actuator REG-K/24x250/10 with manual mode



Version	Art. no.	
24 channels, white	MTN6700-0124	New

**For the Chinese market.**

For independent switching of 24 loads or for controlling up to 12 blinds/roller shutters, 6 fan coils with 3 levels, twelve 2-pipe valve controls or six 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 12 mA max. 28 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 5x 8-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70°C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Dimensions (WxHxD):** 216x90x64 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Switch Actuator REG-K/4x250/20 with manual mode



Version	Art. no.	
4 channels, white	MTN6700-0304	New

**For the Chinese market.**

The actuator is used for switching 4 loads, or can be used as a 4-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 1x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 30 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70°C

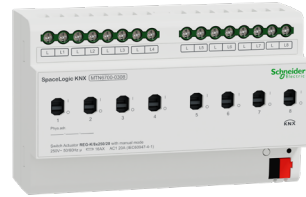
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Product dimensions (WxHxD):** 4 channels: 72 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

## New products at a glance



## SpaceLogic KNX Switch Actuator REG-K/8x250/20 with manual mode



Version

Art. no.

8 channels, white

MTN6700-0308

New

**For the Chinese market.**

The actuator is used for switching 8 loads, or can be used as a 8-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 2x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 8 channels 20 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25...+55 °C

**Transport temperature:** -25...+70 °C

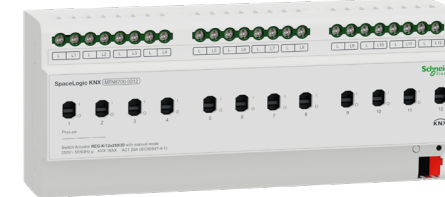
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

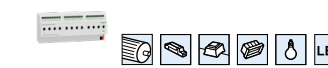
**Product dimensions (WxHxD):** 8 channels: 144 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

## New products at a glance



## SpaceLogic KNX Switch Actuator REG-K/12x250/20 with manual mode



Version

Art. no.

12 channels, white

MTN6700-0312

New

**For the Chinese market.**

The actuator is used for switching 12 loads, or can be used as a 12-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 3x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 12 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25...+55 °C

**Transport temperature:** -25...+70 °C

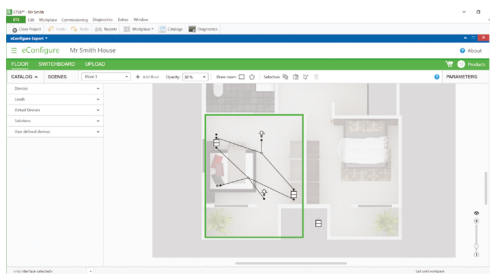
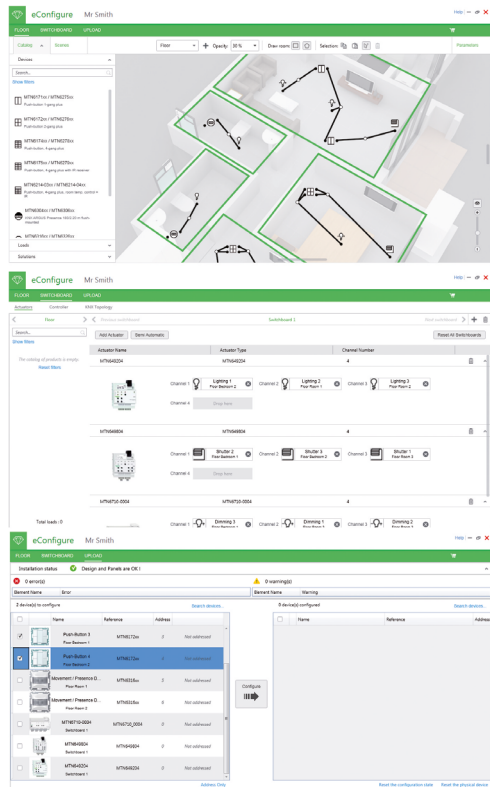
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Product dimensions (WxHxD):** 12 channels 216 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

Software



eConfigure KNX Lite



Version	Art. no.
Lite	<b>LSS900100</b>

eConfigure KNX Lite is a graphical tool to seamlessly plan and configure a KNX installation in residential and functional buildings. Time-consuming programming via ETS software is no longer necessary. The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

Can be used:

- As a tool for simple, fast and intuitive configuration and setup for building automation solutions based on KNX
- As a product database that contains the catalogue with all available Schneider KNX devices in the country. It is no longer necessary to download the device files.

Features:

- Fast and convenient planning and commissioning thanks to the graphical user interface.
- Allows access to pre-assembled solutions and enables easy configuration of scenes.
- Up to 250 KNX devices can be integrated in a project.
- Automatic generation and product selection of KNX modular devices for the control cabinet layout.
- Fully automatic creation of visualizations in combination with Wiser for KNX and spaceLYnk possible
- Assistant function checks the configuration for sources of error for smooth commissioning.
- Creation of a room book and material lists for simple project documentation.
- Import of eConfigure KNX lite project files into eConfigure KNX expert (-ETS5) possible.
- Compatible operating systems: Windows 7, SP1, Windows 8, Windows 10
- Minimum computer requirements: see operating instructions / user manual.

**Compatible operating system:** Windows 7 SP1, Windows 8, Windows 10

**Minimum computer requirements:** Refer to user manual.

**List of compatible KNX products:** Refer to user manual

Automatic creation of visualizations for smartphone, tablet and Touch IP 7 in connection with Wiser for KNX (LSS100100) or spaceLYnk (LSS100200) possible.

**Note:** This software must be installed on a computer using the Windows® operating system.

**Scope of delivery:** Box with KNX dongle and USB stick with software.

eConfigure KNX Expert



Version	Art. no.
Expert	<b>Available on knx.org shop (ETS App)</b>

'eConfigure KNX Expert' is a graphical ETS App for seamless configuration and set-up of a home & building automation solutions.

The user creates his installation graphically directly on the plans of his installation and determines the functions of each KNX sensors (pushbuttons, thermostats, detectors, ...) in a simple, fast and intuitive way. KNX products in switchboards are generated automatically, which allows the user to save time, while being assured of a functional installation.

A library of solutions can be integrated in the software, allowing the novice or experienced user who wants to optimize his time to quickly create his project. It is also possible for the user to create his own solutions.

An installation report and list of products (bill of materials) can also be edited to allow the user to build a complete and professional file for the rest of his team or for his own clients.

All projects done with the Lite version are compatible with the Expert version.







It is possible to export the complete project in ETS.

**Compatible operating system:** Windows 7 SP1, Windows 8, Windows 10

**Minimum computer requirements:** Refer to user manual.

**List of compatible KNX products:** Refer to user manual

**Note:** ETS5 with Pro license shall be used.

	SpaceLogic KNX power supply REG-K				SpaceLogic KNX power supply REG-K with emergency power input	
						
<b>Article number</b>	<b>MTN684032</b>	<b>MTN684064</b>	<b>MTN6513-1203</b>	<b>MTN6513-1202</b>	<b>MTN6513-1201</b>	<b>MTN683832</b> <b>MTN683890</b>
<b>Output current</b>	320 mA	640 mA	320 mA	640 mA	1280 mA	320 mA 640 mA
<b>Maximum number of bus devices</b>	64	64	256		256	64 64
<b>Input voltage, 50-60 Hz</b>	AC 110-230 V		AC 220-240 V		AC 220-240 V	AC 110-230 V
<b>Output voltage</b>	KNX: DC 28-31 V		KNX: DC 28-31 V Additional output: 30 V DC		KNX: DC 28-31 V Additional output: 30 V DC	KNX: DC 28-31 V
<b>Device width (1 module = 18 mm)</b>	4 modules		4 modules		6 modules	4 modules
<b>Connections and displays</b>						
<b>LED display for maximum current</b>	■	■	■	■	■	■
<b>Reset switch</b>	■	■	■	■	■	■
<b>Signalling contact</b>	—	■	■	■	—	—
<b>Increase the rated current in the bus line</b>	—	max. 2 identical devices can be connected in parallel		—	—	—
<b>Connection for SpaceLogic KNX REG emergency power supply art. no. MTN683901</b>	—	—	—	—	—	■



Bus voltage supply



The current product database can be obtained from the Internet at <http://www.schneider-electric.com>.

SpaceLogic KNX Power Supply 320 mA



Version	Art. no.
	<b>MTN6513-1203</b>

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices. Two identical power supply units can be connected in parallel to double the output current. The power supply has a floating signalling contact for operation and diagnostic messages.

**Features:**  
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Nominal voltage:** 220-240 V AC,  
**Mains frequency:** 50/60 Hz  
**Power dissipation:** max. 1.8 W  
**KNX Medium:** TP256  
**Bus output voltage:** 28-31 V DC SELV  
**Bus output current:** 320 mA (all outputs)  
**DC 30 V output voltage:** 30 V DC  
**Signal output:** 12-230 V AC, 2-30 V DC  
**Switching current:** 5 mA ... 2 A  
**Buffer time:** ca. 200 ms at 230 V A  
**Device width:** 4 TE = approx. 72 mm  
**Contents:** With bus connecting terminal and cable cover.

SpaceLogic KNX Power Supply 640 mA



Version	Art. no.
	<b>MTN6513-1202</b>

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices. Two identical power supply units can be connected in parallel to double the output current. The power supply has a floating signalling contact for operation and diagnostic messages.

**Features:**  
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Nominal voltage:** 220-240 V AC,  
**Mains frequency:** 50/60 Hz  
**Power dissipation:** max. 2.9 W  
**KNX Medium:** TP256  
**Bus output voltage:** 28-31 V DC SELV  
**Bus output current:** 640 mA (all outputs)  
**DC 30 V output voltage:** 30 V DC  
**Signal output:** 12-230 V AC, 2-30 V DC  
**Switching current:** 5 mA ... 2 A  
**Buffer time:** ca. 200 ms at 230 V  
**Device width:** 4 TE = approx. 72 mm  
**Contents:** With bus connecting terminal and cable cover.



SpaceLogic KNX Power Supply 1280 mA



Version	Art. no.
	<b>MTN6513-1201</b>

The SpaceLogic KNX power supply generates the bus voltage for the KNX line. The power supply has two outputs – one KNX output with integrated choke and one DC 30 V output for additional devices. The power supply has a floating signalling contact for operation and diagnostic messages.

**Features:**  
Nominal current can be distributed as desired. Reset button to disconnect the power and reset the bus devices. Short-circuit proof. Surge-proof. Open-circuit proof. For operation in installations with emergency power supply. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Nominal voltage:** 220-240 V AC,  
**Mains frequency:** 50/60 Hz  
**Power dissipation:** max. 6.4 W  
**KNX Medium:** TP256  
**Bus output voltage:** 28-31 V DC SELV  
**Bus output current:** 1280 mA (all outputs)  
**DC 30 V output voltage:** 30 V DC  
**Signal output:** 12-230 V AC, 2-30 V DC  
**Switching current:** 5 mA ... 2 A  
**Buffer time:** ca. 200 ms at 230 V  
**Device width:** 6 TE = approx. 108 mm  
**Contents:** With bus connecting terminal and cable cover.



SpaceLogic KNX power supply REG-K/320 mA



Version	Art. no.
light grey	<b>MTN684032</b>

For generating the bus voltage for a line with up to 64 bus devices. With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Nominal voltage:** AC 110-230 V ±10%  
**Operating voltage:** min. AC 92 V - max. AC 253 V  
**Mains frequency:** 50-60 Hz ±10%  
**Output voltage:** DC 30 V  
**Output current:** max. 320 mA, short-circuit-proof  
**Device width:** 4 TE = approx. 72 mm  
**Contents:** With bus connecting terminal and cable cover.

SpaceLogic KNX power supply REG-K/320 mA with emergency power input



Version	Art. no.
light grey	<b>MTN683832</b>

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage. With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Nominal voltage:** AC 110-230 V ±10%  
**Operating voltage:** min. AC 92 V - max. AC 253 V  
**Mains frequency:** 50-60 Hz ±10%  
**Output voltage:** DC 30 V  
**Output current:** max. 320 mA, short-circuit-proof  
**Device width:** 4 TE = approx. 72 mm  
**Accessories:** SpaceLogic KNX REG emergency power supply MTN683901  
**Contents:** With bus connecting terminal and cable cover.

## System Components



### SpaceLogic KNX power supply REG-K/640 mA



Version	Art. no.
light grey	<b>MTN684064</b>

For generating the bus voltage for a line with up to 64 bus devices.  
 With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.  
 For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.  
**Nominal voltage:** AC 110-230 V ±10%  
**Operating voltage:** min. AC 92 V - max. AC 253 V  
**Mains frequency:** 50-60 Hz ±10%  
**Output voltage:** DC 30 V  
**Output current:** max. 640 mA, short-circuit-proof  
**Device width:** 4 TE = approx. 72 mm  
**Contents:** With bus connecting terminal and cable cover.

### SpaceLogic KNX power supply REG-K/640 mA with emergency power input



Version	Art. no.
light grey	<b>MTN683890</b>

For generating the bus voltage for a line with up to 64 bus devices. The emergency power supply REG can be connected in order to buffer the bus voltage.  
 With integrated choke to decouple the power supply from the bus and a push-button to disconnect the power and reset the bus devices connected to the line.  
 For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.  
**Nominal voltage:** AC 110-230 V ±10%  
**Operating voltage:** min. AC 92 V - max. AC 253 V  
**Mains frequency:** 50-60 Hz ±10%  
**Output voltage:** DC 30 V  
**Output current:** max. 640 mA, short-circuit-proof  
**Device width:** 4 TE = approx. 72 mm  
**Accessories:** SpaceLogic KNX REG emergency power supply MTN683901  
**Contents:** With bus connecting terminal and cable cover.

## System Components



### SpaceLogic KNX REG emergency power supply



Version	Art. no.
light grey	<b>MTN683901</b>

To buffer the bus voltage. If a complete mains failure occurs, an external lead gel battery with a voltage of DC 12 V (SELV) can be connected to the REG power supply for buffering. The lead gel battery is recharged or maintained in its charged state by integrated charging electronics.  
 A binary input can be connected in order to register the operational statuses (mains voltage, error warning, battery operation).  
 For installation on DIN rails TH35 according to EN 60715.  
**Nominal voltage:** AC 110-230 V ±10%  
**Operating voltage:** min. AC 92 V - max. AC 253 V  
**Mains frequency:** 50-60 Hz ±10%  
**Output to power supply:**  
**Output voltage:** DC 30 V ±2 V  
**Output current:** without battery with mains supply max. 300 mA, with battery without mains supply max. 640 mA  
**Buffer time with lead gel battery 7,2 Ah:**  
 683890: approx. 0.5 h  
 683832: approx. 1 h  
 683816: approx. 2 h  
**Buffer time with lead gel battery 18 Ah:**  
 683890: approx. 1.25 h  
 683832: approx. 2.5 h  
 683816: approx. 5 h  
**Short-circuit current:** < 1.5 A  
**Charging current:** max. 1 A  
**Connections:** plug-in screw terminal for main connector, operating state (4-pin, 3 floating contacts) and emergency power supply. Plug-in terminal for battery connection (two 1 mm pins)  
**Device width:** 4 modules = approx. 72 mm  
**In KNX, to be completed with:** KNX power supply REG-K/160 mA with emergency power input MTN683816  
 SpaceLogic KNX power supply REG-K/320 mA with emergency power input MTN683832  
 SpaceLogic KNX power supply REG-K/640 mA with emergency power input MTN683890  
**Accessories:** Lead gel battery MTN668990  
 MTN668991  
 Binary input REG-K/4x24 MTN644892  
 SpaceLogic KNX Power supply REG, DC 24 V/0,4 A MTN693003  
**Contents:** With connecting terminal and cable cover



### Lead gel battery



Version	Art. no.
7.2 Ah	<b>MTN668990</b>

Lead gel battery to connect to the emergency input of the power supply 320 REG-K with battery connection.  
**Nominal voltage:** DC 12 V  
**Capacity:** 7.2 Ah  
**In KNX, to be completed with:**  
 SpaceLogic KNX REG emergency power supply MTN683901

### Lead gel battery



Version	Art. no.
18 Ah	<b>MTN668991</b>

Lead gel battery for connecting to the emergency power supply REG.  
**Nominal voltage:** DC 12 V  
**Capacity:** 18 Ah  
**In KNX, to be completed with:**  
 SpaceLogic KNX REG emergency power supply MTN683901

## KNX Secure System coupler



### KNX Security

The KNX standard was extended by KNX Security to protect KNX installations from unauthorized access. KNX Security reliably prevents the monitoring of communication as well as the manipulation of the system.

The specification for KNX Security distinguishes between KNX IP Security and KNX Data Security. KNX IP Security protects the communication over IP while on KNX TP the communication remains unencrypted. Thus, KNX IP Security can also be used in existing KNX systems and with non-secure KNX TP devices.

KNX Data Security describes the encryption at telegram level. This means that the telegrams on the twisted pair bus are also encrypted.

### KNX IP Security for the router function

The coupling of individual KNX TP lines via IP is referred as KNX IP routing.

Routing communication is encrypted with KNX IP Security. This means that only IP devices that know the encryption key can decrypt the communication and send valid telegrams. A time stamp in the routing telegram ensures that no previously recorded telegrams can be replayed. This prevents the so-called replay attack.

The key for the routing communication is reassigned by ETS for each installation. If KNX IP Security is used for routing, all connected KNX IP devices must support security and be configured accordingly.

### KNX IP Security for the interface function

When using a KNX IP device as an interface to the bus, access to the installation is possible without security for all devices that have access to the IP network. With KNX Security a ETS project password is required. A secure connection is already established for the transmission of the password. All communication via IP is encrypted and secured. In both modes, the interface forwards both encrypted and unencrypted KNX telegrams. The security properties are checked by the respective receiver or tool.

### KNX Data Security for the device

The KNX secure device also supports KNX Data Security to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

NOTE: Encrypted telegrams are longer than the previously used unencrypted ones. For secure programming via the bus, it is therefore necessary that the interface used (for example, USB-, IP-interface) and any intermediate line couplers support the so-called KNX long frames.



### Devices supporting KNX Security



## SpaceLogic KNX Coupler DIN Rail



Version

Art. no.

**MTN6500-0101**

For logical connection and electrical isolation of lines and areas.

The device supports KNX Security. This option can be activated in the ETS. As a secure line coupler, the device enables the forwarding of both secured and unsecured communication. In addition, access to the device itself (e.g. for a download) is protected by KNX Security.

The device has a filter table (8k bytes) and ensures a galvanic separation between the lines.

The coupler supports KNX longframes and is compatible with the ETS 5 software. With 2 integrated push-buttons for testing purpose and 3 status LEDs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using bus connecting terminals.

**KNX software functions:** The device can be used as a area / line coupler or as a repeater for forming line segments in existing or new KNX systems. The function as a coupler or repeater can be parameterised.

### Functions as coupler:

Use as a area or line coupler depending on the physical address. Reduction of the bus load through the filter function (filter table). Support of the full address area (Group 0-31) with filter function. Forwarding of individual addressed telegrams (sub line => main line, main line => sub line) can be parameterised. Forwarding of group telegrams (sub line => main line, main line => sub line) can be parameterised. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. Telegram confirmation for group telegrams and physically addressed telegrams can be parameterised separately.

### Functions as repeater:

Expansion of a line into segments. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams.

**Device width:** 1 modules = approx. 18 mm

**Note:** This application requires ETS 5 or higher.

**Contents:** With 2 bus connecting terminals and 2 cable covers.



## SpaceLogic KNX IP Router DIN Rail



Version

Art. no.

**MTN6500-0103**

The SpaceLogic KNX IP Router allows forwarding of telegrams between different lines through a LAN (IP) as a fast backbone. In addition this KNX IP Router is suited to connect a PC to the KNX network e.g. for ETS programming.

The KNX IP Router supports KNX Security which can be enabled in ETS. As secure router the device allows coupling of not secured communication on KNX TP to a secured IP backbone.

For the interface functionality (tunneling) KNX security prevents from unauthorized access.

The router supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. The IP address can be obtained by a DHCP server or by manual configuration (ETS) respectively. This KNX IP Router works according to the KNXnet/IP specification using the core, the device management, the tunneling and the routing part.

The SpaceLogic KNX IP Router has an extended filter table for main group 0..31 and is able to buffer up to 150 telegrams. The Router is powered by the KNX bus. An additional power supply is not needed. With 2 integrated push-buttons for testing purpose and 3 status LEDs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is conneted via RJ45 socket.

**Device width:** 1 module = approx. 18 mm

**Note:** This application requires ETS 5 or higher.

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX IP Interface DIN Rail



Version Art. no.

MTN6502-0105

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.

The device supports KNX Security which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.

The Interface is powered by the KNX bus. An additional power supply is not needed.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is connected via RJ45 socket.

**Device width:** 1 module = approx. 18 mm

**Note:** This application requires ETS 5 or higher.

**Contents:** With bus connecting terminal and cable cover.

## SpaceLogic KNX USB Interface DIN Rail



Version Art. no.

MTN6502-0101

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).

The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.

The KNX USB interface supports KNX "longframe" communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Device width:** 1 module = approx. 18 mm

**Contents:** With bus connecting terminal and cable cover.



## System coupler



## Coupler REG-K



Version Art. no.

light grey MTN680204 Discontinued June 2020

For logical connection and electrical isolation of lines and areas.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** The device can be used as a backbone / line coupler or as a repeater for forming line segments in existing or new KNX systems. The function as a coupler or repeater can be parameterised.

**Functions as coupler**

Use as a backbone or line coupler depending on the physical address. Reduction of the bus load through the filter function (filter table). Support of the full address area (Group 0-31) with filter function. Forwarding of physically addressed telegrams (line => main line, main line => line) can be parameterised. Forwarding of group telegrams (line => main line, main line => line) can be parameterised. Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. Telegram confirmation for group telegrams and physically addressed telegrams can be parameterised separately.

**Functions as repeater**

Expansion of a line to max. 4 line segments with up to 64 participants each (incl. line coupler or repeater). Telegram repetitions in the event of transmission errors can be set separately for group telegrams, broadcast telegrams and physically addressed telegrams. With repeaters, the telegrams are always forwarded.

**Device width:** 2 modules = approx. 36 mm

**Note:** With the coupler/repeater 7116/1.1 application, the entire group address range from 0 to 31 can be used for the filter function of the coupler (support for extended group addresses). This application requires ETS 4.1 or higher.

**Contents:** With 2 bus connecting terminals.

## KNX/IP router REG-K



Version Art. no.

light grey MTN680329 Discontinued June 2020

The KNX/IP router enables telegrams to be forwarded between different lines via LAN (IP) as a rapid backbone. The device can additionally serve as a programming interface in order to connect a PC with the KNX bus (e.g. for ETS programming with suitable ETS).

The IP address can be assigned dynamically via a DHCP server or via manual configuration (ETS parameter). The device operates in accordance with the KNXnet/IP specification using Core, device management, tunnelling and routing.

The KNX/IP router forwards telegrams in both directions whilst taking a filter table into account and can buffer up to 150 telegrams.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Supply voltage:** DC 12-30 V (at DC 24 V 40 mA), AC 12-24 V

**Device width:** 2 modules = approx. 36 mm

**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, DC 24 V/0,4 A MTN693003

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

Also alternatively Power over Ethernet (PoE).

**Note:** With version 0C and higher, a total of up to 5 simultaneous connections is supported.

**Contents:** With bus connecting terminal.





## System accessories



## Bus connecting terminal



Version	Art. no.
red/dark grey	<b>MTN689701</b>

For connecting max. 4 core pairs to an KNX device, can also be used as a branch terminal.  
Consists of two interlocked terminal parts in red ("+") and dark grey ("-"), each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.  
**Contents:** 1 PU = 50 terminals.

## Branch terminal, yellow/white



Version	Art. no.
yellow/white	<b>MTN689702</b>

Branch terminal comprising two interlocking terminal parts in yellow and white, each with 4 plug-in terminals. For solid conductors with a diameter of 0.6 to 0.8 mm.  
For wiring the yellow/white cores of the bus cable.  
**Contents:** 1 PU = 50 terminals.

## IR universal remote control



Version	Art. no.
black/white	<b>MTN5761-0000</b>

10 channel IR remote control. For the control of all TELE sensor covers, blind push-buttons with IR receiver, presence detectors with IR receivers and KNX devices with IR receivers.  
**Battery:** 2 microcells (IEC LR 0.3 AAA) (not included)  
**Range:** up to 12 m  
**Receiver:** TELE sensor cover System M MTN5779..., MTN5703..  
Blind push-button with IR receiver and sensor connection System M MTN5880..., MTN5864..  
ARGUS Presence Master with IR, relay 1-gang MTN5510-1119  
ARGUS Presence Master with IR, relay 2-gang MTN5510-1219  
ARGUS Presence Master with IR, 1-10 V MTN5510-1419  
ARGUS Presence Master with IR, DALI MTN5510-1519  
KNX ARGUS Presence with light control and IR receiver MTN6309..  
Push-button, 4-gang plus with IR receiver System M MTN6279..., MTN6175..  
KNX 1-gang push-button with IR receiver Altira ALB4x152  
Unica MGU3.532.18, MGU3.532.25  
Unica Top MGU3.532.12, MGU3.532.30  
Unica MGU5.532.18, MGU5.532.25  
Unica Top MGU5.532.12, MGU5.532.30  
Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..  
**Contents:** Without battery.



## Logic module



## SpaceLogic KNX Logic module Basic REG-K



Version	Art. no.
light grey	<b>MTN676090</b>

In KNX installations, the logic module serves as a logic and control device. It has 10 logic, 10 filter/timer, 8 converter and 12 multiplexer modules.  
With 3 freely programmable push-buttons and 3 status LEDs. They can be assigned control and test functions and can be operated on the device.  
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:****10 logic modules (AND, OR, XOR)**

- Each with up to 8 binary input objects and an output object.
- Input and output object inversion.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

**10 filter and timer modules**

- Binary input objects and an output object with time delays.
- Binary input object filtering before output.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

**8 converter modules**

- Conversion of 1 bit switching telegrams into 2 bit priority control.
- Conversion of 1 bit switching telegrams into 8 bit value telegrams.
- Conversion of 8 bit value telegrams into 1 bit switching telegrams.
- Output disable via gate function.
- Behaviour of each input object after bus reset.
- Adjustable sending behaviour.

**12 multiplexer modules (lighting control)**

Multiplexer modules are used to selectively control telegrams, e.g. to toggle between single room and total room control for conference rooms with partition walls.

- Supported telegram formats by module: 1 bit, 2 bit, 4 bit, 8 bit, 2 byte.
- A module can be used for the 4 byte format.
- Telegram forwarding/blocking in one or both directions using the control object.
- Adjustable gate behaviour.
- Adjustable control object behaviour.
- Output disable via gate function.
- Adjustable sending behaviour.
- Adjustable sending delay.

**Push-button and LED assignment**

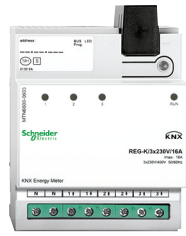
- The three push-buttons and the three LEDs can be freely assigned with binary objects.
- Behaviour per LED.
- Behaviour per push-button.

**Behaviour after bus reset**

- Adjustable module start-up delay after bus voltage recovery.

**Device width:** 2.5 module = approx. 45 mm

## Energy measurement



## SpaceLogic KNX Energy Meter, REG-K/3x230 V/16 A



Version	Art. no.
light grey	<b>MTN6600-0603</b>

Device for measuring and monitoring energy consumption at up to three channels. Different phases can be connected to the channels. The data is transmitted to the KNX bus for analysis and visualisation.

There is a resettable energy counter and a total energy counter for each channel. The device saves the values in the event of a power failure. If one of up to 8 threshold values is exceeded, telegrams for energy-saving and alarm functions can be sent to different loads via the bus. The energy meter can receive energy values measured externally (e.g. from other energy meters or switch actuators with current detection) via the KNX bus and summate them. With screw terminals.

Suitable for installation on DIN rails TH35 according to EN 60715.

**KNX software functions: Functions per channel:**

Adjustable energy unit (Wh/kWh). Energy meter (resettable). Total energy meter. Adjustable transmission of power and current values.

Energy-saving function: telegrams for saving energy (switch object, value object, dimming object, scene object and temperature object) are sent when one of up to 8 threshold values is exceeded. 8 separately adjustable threshold values with tolerance (selectable via object). Adjustable tolerances and delays.

Alarm function: alarms are sent when current values fall above or below threshold values. Adjustable tolerances and delays.

**Functions for all channels:**

Consumption values with time stamp. Time can be received via an external KNX timer.

Adjustable nominal voltage (210-240 V). 4 energy counters to count separately depending on tariff. Summation of energy values from several channels and external energy values. Status responses regarding bus voltage failure, exceedance of power, total power and tariff meters.

**Energy measurement:**

**Number of channels:** 3

**Nominal voltage:** AC 220/230 V, 50/60 Hz

**Max. current per channel:** 16 A

**Min. current per channel:** 20 mA (power factor 1)

**Detection accuracy:**

Power and current measurement (calculated): max. 10 %

**Capacity of total power meter:** > 2 million kWh

**Temperature range:** -5°C to + 45°C

**Type of protection:** IP 20

**Device width:** 4 modules = approx. 72 mm



## SpaceLogic KNX Metering Gateway Modbus REG-K



Version	Art. no.
light grey	<b>MTN6503-0201</b>

The KNX Metering Gateway Modbus REG-K is a gateway between a Modbus installation and the KNX bus.

The device transmits measured power and consumption values from connected Modbus power counters to the KNX bus. These power counter data can be used to evaluate, visualise, or reduce the power consumption in your KNX installation.

Up to ten Modbus counters can be connected to the gateway in parallel with RTU transfer protocol. These counters send data to the KNX via the gateway. The gateway always works in master mode, and the connected Modbus devices work in slave mode. Communication from KNX to the Modbus is not possible. The ETS application has pre-programmed templates for 17 different Schneider Electric models of Modbus counters. In ETS, a corresponding template can be assigned to each connected Modbus counter. The corresponding Modbus registers are then automatically assigned to the communication objects on the KNX side.

The following models of Schneider Electric Modbus counters are supported:

- PM9C universal meter
- PM210 universal meter
- PM710, PM750 universal meters
- PM810, PM820, PM850, PM870 universal meters
- PM1200, PM6200 universal meters
- iEM3150, iEM3155, iEM3250, iEM3255 energy counters
- PM3250, PM3255 universal meters
- SIM10M Smart Interface Module

For Modbus devices without a template, up to 40 Modbus registers can be directly assigned to the communication objects on the KNX side.

The device is supplied with power via the KNX bus.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

With screw terminals.

**KNX software functions:** Modbus communication settings (baud rate, parity, delays). Selection of pre-programmed templates for 17 Modbus counters with detection of: voltage (phase 1-3), current (phase 1-3), frequency, power factor, active power, reactive power, apparent power, active energy, reactive energy, 6 binary counters, 2 analogue inputs (using Smart Interface Module SIM10M template). In addition to the template, direct access to Modbus registers and manual assignment of the register values to communication objects are possible. Diagnostic function: active and passive evaluation of errors in the Modbus installation. All values can be reset by a reset object.

**Device width:** 2.5 modules = approx. 44 mm

## Data interfaces



## SpaceLogic KNX IP Interface DIN Rail



Version	Art. no.
	<b>MTN6502-0105</b>

The SpaceLogic KNX IP Interface is an interface between IP and KNX. You can access the KNX Bus from every point of your LAN. The SpaceLogic KNX IP Interface can be used as programming interface for ETS 5 Software and allows to access the KNX bus over the Internet via VPN.

The device supports KNX Security which can be enabled in ETS. With its interface functionality (tunneling) KNX security prevents from unauthorized access. The device supports up to 8 tunneling channels. For each tunneling channel a separate individual address must be configured. With 2 integrated push-buttons to select the tunneling channel and 3 status LEDs.

The Interface is powered by the KNX bus. An additional power supply is not needed. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal. The LAN network is connected via RJ45 socket.

**Device width:** 1 module = approx. 18 mm

**Note:** This application requires ETS 5 or higher.

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX USB Interface DIN Rail



Version	Art. no.
	<b>MTN6502-0101</b>

For connecting a programming or diagnostics device with a USB 2.0 interface to the KNX. The USB connector (Type C) is galvanic isolated from the KNX bus. It can be used as a programming interface for ETS Software Version 4 (or higher).

The device is programmed locally with the physical address and does not have a programming button and programming LED. With 2 status LEDs.

The KNX USB interface supports KNX "longframe" communication and is compatible with KNX security telegrams / devices. This allows faster KNX downloads if supported by the target device (e.g. MTN6725-0001).

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Device width:** 1 module = approx. 18 mm

**Contents:** With bus connecting terminal and cable cover.



## USB interface REG-K



Version	Art. no.
light grey	<b>MTN681829</b> <b>Discontinued</b> <b>June 2020</b>

For connecting a programming or diagnostics device with a USB1.1 or USB2.0 interface to the KNX.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Device width:** 2 modules = approx. 36 mm

**Contents:** With bus connecting terminal and cable cover.



## Central plate with square opening



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN296044</b>
<input type="checkbox"/> polar white, glossy	<b>MTN296019</b>
<input type="checkbox"/> active white, glossy	<b>MTN296025</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN297914</b>
<input type="checkbox"/> aluminium	<b>MTN297960</b>

For System M.

for loudspeaker connection inserts or flush-mounted USB interface.

**To be completed with:** Telephone socket-outlet TAE, 1-gang MTN465206, Telephone socket-outlet TAE, 3-gang MTN465226/36, Combination socket-outlet RJ45/TAE (Cat 3) MTN465707, Loudspeaker connection insert, 1-gang MTN466919/14, Loudspeaker connection insert, 2-gang MTN467019/14, USB power supply MTN4366-0000, USB interface, flush-mounted MTN681799

## USB interface, flush-mounted



Version	Art. no.
	<b>MTN681799</b> <b>Discontinued</b> <b>June 2020</b>

For connecting a programming or diagnostics device with a USB1.1 or USB2 interface to the KNX.

For screw mounting in the size 60 installation box. With integrated bus coupler. The device is connected to the bus with a bus connecting terminal. Compatible with ETS 3.

**Mounting depth:** 20 mm

**To be completed with:** Central plate with square opening System M

**Contents:** With bus connecting terminal.

## Wiser for KNX

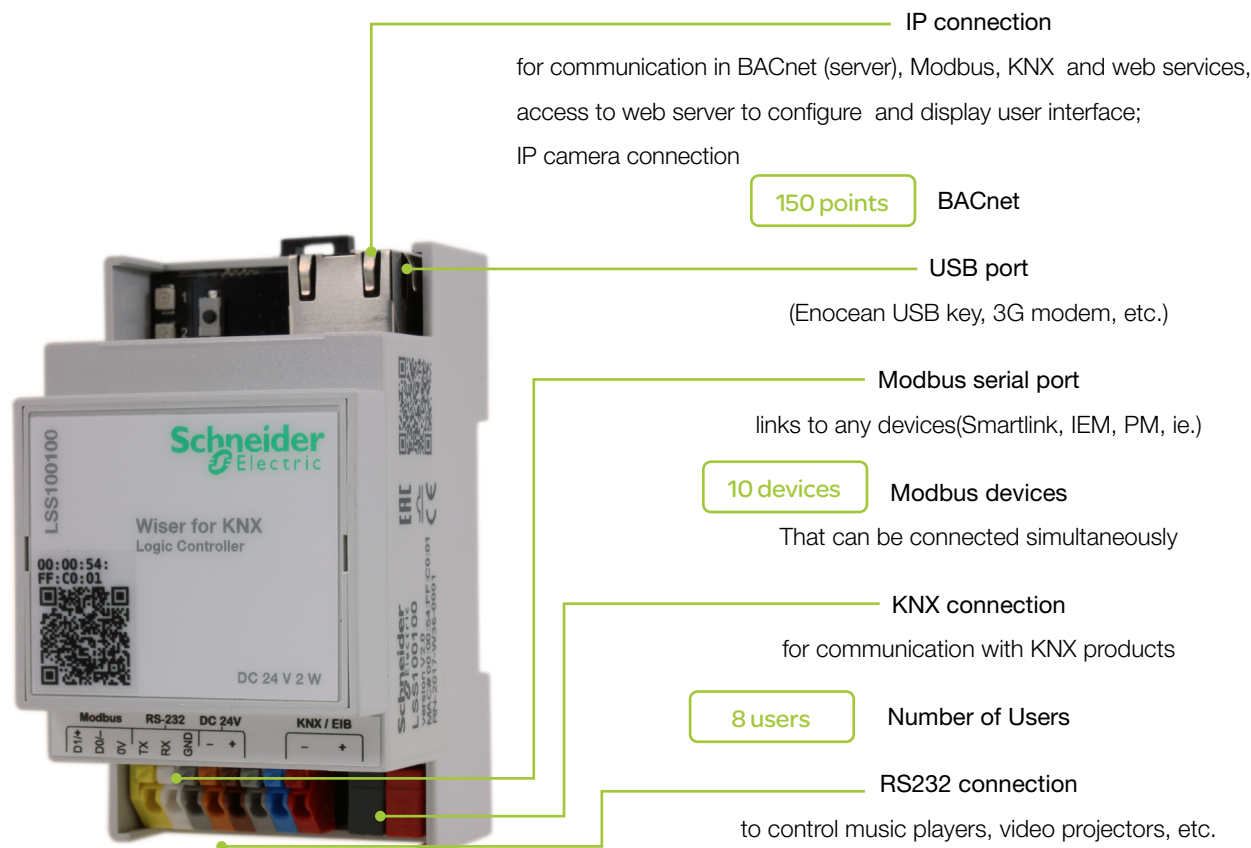
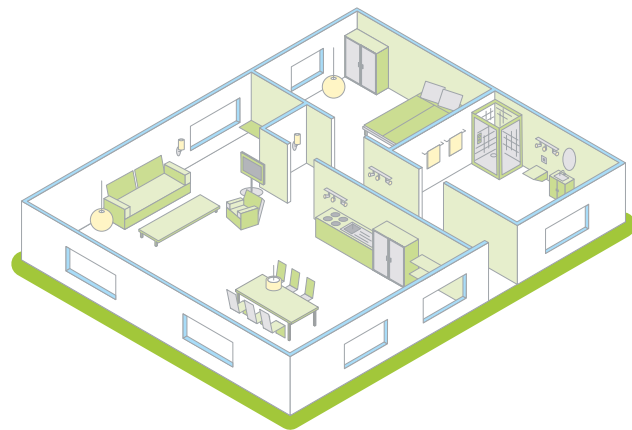
### KNX home automation

Wiser for KNX is the perfect choice for houses, collective homes and flats. With 150 BACnet points it is perfectly suitable for an integration in a large building management system of the complete residential building.

Wiser for KNX connects KNX systems and Modbus meters, which conveniently allows control of building functions like lights, shutters and heating and enables energy monitoring with record data on a daily, monthly and yearly basis. Wiser for KNX enables to create advanced logic functions in order to optimize energy efficiency and comfort at home.

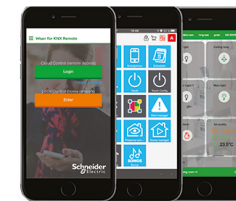


Wiser for KNX is perfectly set for residential buildings



## Wiser for KNX

### Wiser for KNX



Solutions are tested and validated according to Schneider Electric process

### Wiser for KNX



Version	Art. no.
	<b>LSS100100</b>

Wiser for KNX is the perfect choice for single or multi-family houses or residential complexes and integrates a wide range of control functions to improve comfort, security and flexibility for the residents and owners. The system is future proof, interoperable, and scalable. With its integrated visualization, the installation's energy consumption can be displayed and monitored through PC's and mobile devices. The stored data can also be exported for further analysis (e.g. as .CSV).

#### Features:

- Freely programmable logic controller with integrated web server
- Configurable visualization alternatives: Custom Visualization or Touch (through Widgets) for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- Sonos and Revox sound systems integration
- Somfy and Danfoss Integration
- Philips Hue support
- IFTTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- Integration of IP cameras
- Data logger with trend display and export function
- Modbus (10 devices)
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure

**Supply voltage:** 24 V DC (not included)

**Power consumption:** 2 W

#### Display elements:

- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)

**Controls:** 1x reset button

**Interface:** 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0

#### Terminals:

- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply:** 0.5 mm<sup>2</sup>-1.5 mm<sup>2</sup>
- **Serial interfaces:** 0.5 mm<sup>2</sup>-1.5 mm<sup>2</sup>

**Operation:** -5°C to +45°C

**Dimension:** 90 x 52 x 58 mm (HxWxD)

**Device width:** 3 modules = approx. 54 mm

**To be completed with:** SpaceLogic KNX Power Supply 24VDC - 0,4A (MTN693003).

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# space LYnk

## Building automation

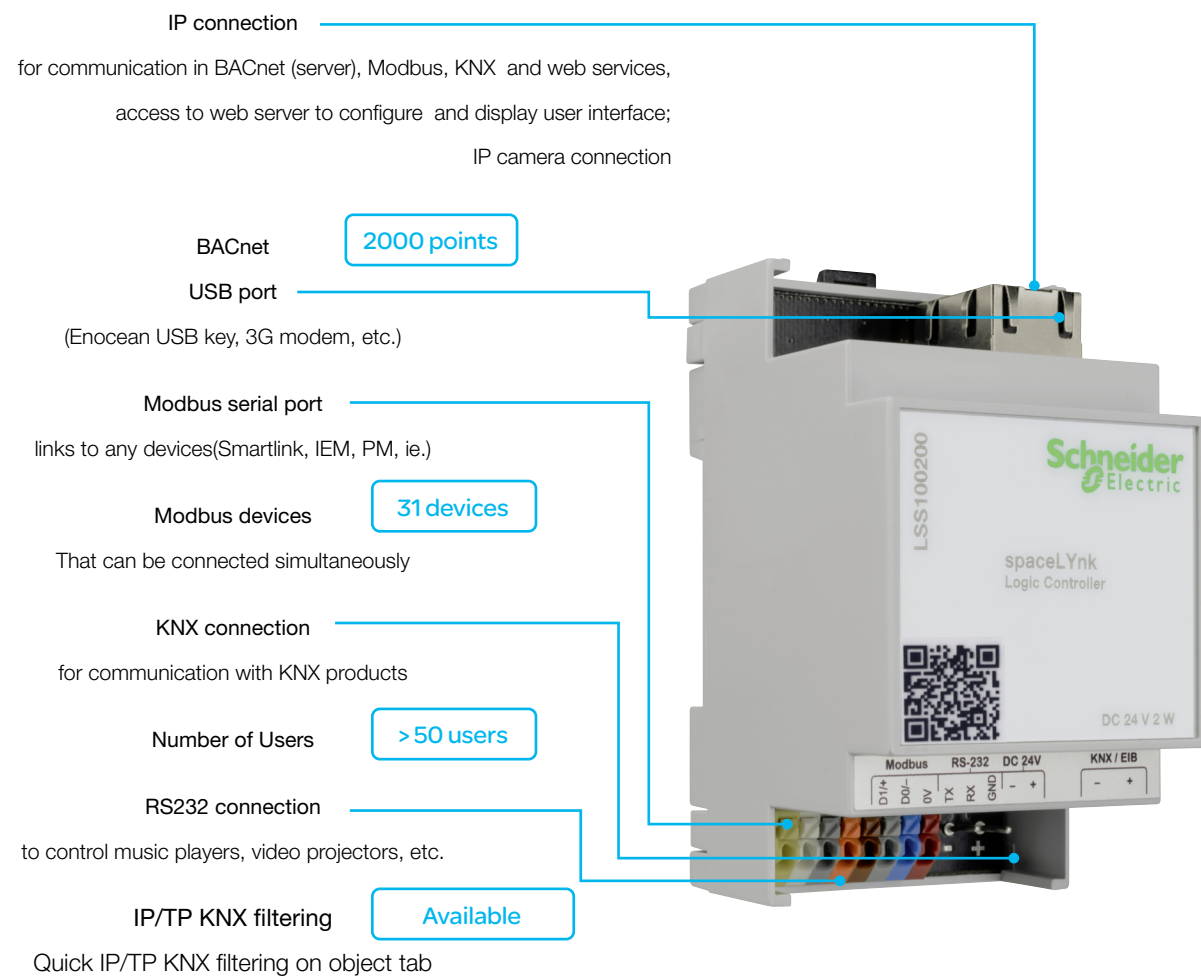
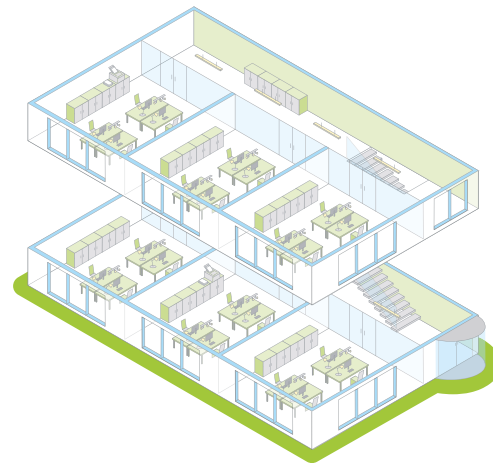
In buildings spaceLYnk provides the ideal solution. Thanks to 2000 BACnet points spaceLYnk can easily be integrated into complete building management systems.

spaceLYnk allows efficient facility management thanks to the convenient web-based user interface with maintenance information like lamp statuses

and easy scheduling of all building functions. The webbased interface is accessible from everywhere, enabling remote maintenance.



spaceLYnk is perfectly set for commercial buildings



# space LYnk

## spaceLYnk



### spaceLYnk



Version

Art. no.

**LSS100200**

spaceLYnk is the ideal solution for commercial buildings. Thanks to its 2,000 BACnet data points and 31 Modbus devices, spaceLYnk can be effortlessly integrated into complete energy and building management systems.

### SpaceLYnk can be used:

- As a KNX logic controller for the creation of complex building automation solutions
- As a building automation solution for small and medium-sized buildings with complete control including LRC (lighting and room control (KNX)) and measurement technology (Modbus devices, Smartlink RTU and IP)
- As a Cross-sector communication for large buildings with complete control via SBO EcoS-truXure™ (BMS from Schneider Electric).
- As a gateway for communication between different products and protocols.
- As a data storage device, for analyzing and exporting the data (e.g. as .csv).
- As a user interface for the display and control of relevant information on PCs and mobile devices.

### Features:

- Freely programmable logic controller with integrated web server
- WEB SCADA visualization for PC and mobile devices
- Marketplace with applications to download and extend the controller's functionality
- IFTT support
- Multi-protocol gateway between KNX (TP / IP) and Modbus RTU / TCP + BACnet IP
- HTTP / HTTPS / NTP / FTP servers
- BACnet server (2000 data points)
- Modbus (31 devices)
- Login visualization (>50 users)
- User management tool to define user access and visibility
- Predefined Modbus templates
- BACnet certified "BACnet Application Specific Controller (B-ASC)"
- Integration of IP cameras
- Simple function block programming
- Integrated USB port (additional memory, EnOcean & GSM dongles)
- Freely programmable scheduler
- IP router
- Scenes module
- E-mail and SMS
- Easy visualization configuration through eConfigure
- KNX IP Secure compatibility

**Supply voltage:** 24 V DC (not included)

**Power consumption:** 2 W

### Display elements:

- **LED indicator 1:** Green LED (CPU load)
- **LED indicator 2:** Green LED (Operation) or Red LED (Reset)

**Controls:** 1x reset button

**Interfaces:** 1x KNX TP1, 1x RJ45 Ethernet 10/100 Mbit/s, 1x RS-485 (incl. Polarization resistor 47 kΩ, no termination), 1x RS-232, 1x USB 2.0

### Terminals:

- **KNX bus:** Bus terminal 2 x 0.8 mm

- **Power supply:** 0.5 mm<sup>2</sup>-1.5 mm<sup>2</sup>

- **Serial interfaces:** 0.5 mm<sup>2</sup>-1.5 mm<sup>2</sup>

**Operation:** -5°C to +45°C

**Dimension:** 90 x 52 x 58 mm (HxWxD)

**Device width:** 3 modules = approx. 54 mm



Solutions are tested and validated according to Schneider Electric process

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# BMS IP Gateway

## BMS IP Gateway



### SpaceLogic KNX BMS IP Gateway



Version	Art. no.
grey	<b>LSS100300</b>

The SpaceLogic KNX BMS IP Gateway is a bidirectional multifunctional device that allows integration of SpaceLogic KNX installations within Ecostruxure Building Operation. The main communication interface is KNX TP with BAC protocol.

The device combines three functions in one device:

- KNX IP router (max. 500 objects)
- KNX IP interface
- DPSU choke power supply

The Gateway is designed for commercial installations and certified by BTL as Application Specific Controller (B-ASC) which ensures 100% compatibility, and at the same time, guarantees a seamless integration with any BACnet device.

#### Features:

- Number of BACnet objects: 4,000
- Number of BACnet subscriptions (COV) requests: 4,000
- KNX group objects: 4,000
- KNX IP routing objects: 500
- KNX IP Secure compatibility
- KNXP IP tunneling, commissioning of KNX devices, long frame support
- HTTP / HTTPS / NTP servers
- Direct import of \*knxproj file with automatic filtering tables

**Power supply voltage:** DC 12 V - 30 V SELV

**Power consumption:** 2 W

**Power Supply DPSU choke:** DC 21 V - 31 V SELV

**DPSU choke:** rated current max. 320 mA, chort circuit proof, tripping current ≤1A

#### Display elements:

- LED indicator 1: Green LED (CPU load)
- LED indicator 2: Green LED (Operation) or Red LED (Reset)

**Controls:** 1x reset button, 2 jumpers (PoE and POW)

**Interfaces:** 1x RJ45 Ethernet 10/100 Mbit/s

#### Terminals:

- **KNX bus:** Bus terminal 2 x 0.8 mm
- **Power supply/Power supply DPSU choke:** 2-gang/3gang pluggable screw terminal for max. 2x 0.5 mm<sup>2</sup>-1.5 mm<sup>2</sup>

**Protection type:** IP20

**Ambient temperature operation:** 0°C to +45°C

**Device width:** 4 modules = approx. 72 mm

**BACnet Protocol Revision:** 22

**BACnet Device Profile:** B-ASC, B-GW

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# Hybrid Module

## Hybrid Module



### SpaceLogic KNX Hybrid Module



Version	Art. no.
white	<b>LSS100400</b> <b>New</b>

The Hybrid Module integrates ZigBee wireless devices from Wiser™ offer to an installation that is realized with the controller Wiser for KNX (LSS100100) or spaceLynk (LSS100200). The user is then able to control Wiser™ devices from their KNX installation and control KNX devices from their Wiser™ devices. The Hybrid Module and its configuration plugin is designed for residential and commercial installations.

The Hybrid Module is powered by separate 24 V power supply and connected to the controller via RS232 communication interface. Once the ZigBee devices are paired with the controller, they are mapped in KNX objects and can be used like any other KNX device. Moreover when Wiser for KNX is used, the wireless devices can be controlled via the Wiser KNX app (Wiser KNX App, available in specific countries).

Because the list of Wiser devices is constantly growing, please visit <https://www.go2se.com/ref=LSS100400> in order to refer manual for latest supported device list. The supported devices may vary depending on the country.

#### Features:

- Hybrid Plugin is available on Marketplace always up to date
- Easy integration and configuration of ZigBee wireless devices
- Automatic upgrade of the firmware of the Hybrid Module and connected ZigBee wireless devices so the installation is always well maintained and up to date

**Supply voltage:** DC 24 V

**Display elements:** LED bicolor (Red/Orange)

**Interfaces:** Antenna, RS232 communication (TX, RX, GND) and DC 24 V power supply(-/+)

**Ambient temperature operation:** 0°C to +45°C

**Device width:** 1 modules = approx. 18 mm

#### Antenna

**Transmitting frequency:** 2405 MHz ... 2480 MHz

**Transmitting power:** max. +10 dBm (10 mW)

**Cable length:** 3 m

**Scope of delivery:** SpaceLogic KNX Hybrid Module, SpaceLogic KNX Hybrid Antenna LSS100410

### SpaceLogic KNX Hybrid Antenna



Version	Art. no.
black	<b>LSS100410</b> <b>New</b>

Spare part.

Hybrid Antenna for connection to the SpaceLogic KNX Hybrid Module. The antenna is placed outside the cabinet. With magnetic base.

**Transmitting frequency:** 2405 MHz ... 2480 MHz

**Transmitting power:** max. +10 dBm (10 mW)

**Cable length:** 3 m



## Control and display devices



## SpaceLogic KNX Touch IP 7



Version	Art. no.
white	<b>MTN6260-7770</b>
black	<b>MTN6260-7760</b>

The SpaceLogic KNX Touch IP 7 inch is a touch screen used to display the visualization from Wiser for KNX or spaceLYnk logic controllers. It can be installed in both Residential and Commercial buildings and in new or existing KNX installations.

The touch panel can display the widget-based Touch visualization or the PC/Tablet visualization with the possibility of realistic graphics. It can also display the new Wiser KNX App, in case the user would like to control their KNX installation in a similar way as from his Smartphone.

All interaction with the touch panel is very easy and efficient, adapted to the needs of the modern concept of smart homes and buildings. The installation can be done horizontally or vertically allowing landscape or portrait mode.

The touch panel is equipped with an embedded application, making the configuration easy and fast. Thanks to WiFi connectivity the installation of touch panel is easier and provides a freedom in choosing of installation location.

An over the air update (OTAU) feature available in the touch panel keeps the solution always up to date and secure. The Touch Panel can be installed surface mounted, anywhere where there would be a 24 V cables to power it.

**TouchPanel**

Screen diagonal: 17.47 cm (7")

Resolution: 1024 x 600

Type: Colorful TFT LCD & multi-touch capacitive screen

**Horizontal orientation**

Vertical top / bottom viewing angle: 30° / 70°

Horizontal right / left viewing angle: 70° / 70°

**Vertical orientation**

Vertical top / bottom viewing angle: 70° / 70°

Horizontal right / left viewing angle: 30° / 70°

**Power**

2-wire power supply: DC 24 V

Current consumption in standby state (mA): 90 mA

Current consumption in activestate (mA): 240 mA

**Wi-Fi®**

Frequency band: IEEE 802.11 a/b/g/n/ac 2.4/5 GHz (2400-2483.5 MHz, 5150-5250 MHz)

**Environmental conditions**

Operating temperature: -10 °C to +55 °C

Operating Humidity: 0% to 95% RH no condensing

Storage temperature: -25 °C to +70 °C

Storage humidity: 0 % to 95 % RH no condensing

IP rating: IP30

**Dimensions and weight**

Dimensions (W x H x D): 132.76 x 196.65 x 23.91 mm

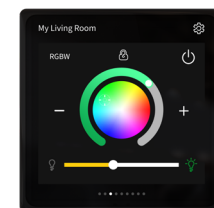
Weight: 448 g / 814 g (with package)

**Location**

When choosing the installation location, the maximum cable length must be observed.

The following shows the lengths from the touch panel to the respective assemblies in the system.

- YR 2x0.8 mm, J-Y(ST)Y 2x2x0.8 mm, A-2Y(L)2Y 2x2x0.8 mm: cable must not be longer than 120 m.
- A-2Y(L)2Y 2x2x0.6 mm, J-Y(ST)Y 2x2x0.6 mm: cable must not be longer than 80 m.



## SpaceLogic KNX 4" Touch Unit



Version	Art. no.
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glass	<b>MTN6215-0410</b>
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The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

**User interface functions:**

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

**Main functions**

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

**HVAC controller functions:**

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

**Power supply from KNX:** DC 21-30 V approx. 24 V/3 mA

**Auxiliary Power supply:** DC 21-30 V approx. 24 V/85 mA

**Screen:** 10 cm (3.95") LCD, 480 x 480 pixels

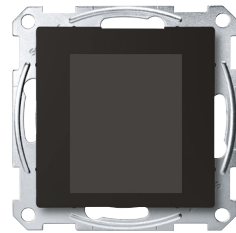
**Measuring accuracy:** ±1 °C at 25 °C

**IP protection rating:** IP 20

**Dimensions WxHxD:** 86 x 86 x 32 mm

**Accessories:** Dismantling protection MTN6270-0000

**Note:** Programmable with ETS5 and higher.



#### KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-0310</b>

For System M.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

#### ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

#### KNX software functions:

##### Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

##### Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

**Note: Programmable with ETS4 and higher.**

**Contents:** With bus connecting terminal and supporting plate.



#### KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-5910</b>

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

#### ETS device functions:

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

#### KNX software functions:

##### Control unit/push-button:

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

##### Functions of the room temperature control unit:

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Note: Programmable with ETS4 and higher.**

**Contents:** With bus connecting terminal and supporting plate.





## Dismantling protection



Version	Art. no.
	<b>MTN6270-0000</b>

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

**In KNX, to be completed with:**

KNX Push-button ProT

System M MTN6185-03/04..

System Design MTN6185-60..

KNX Push-button Pro

System M MTN6180-03/04..

System D MTN6180-60..

System D MTN6181-6035

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

SpaceLogic KNX 4" Touch Unit MTN6215-0410

**Contents:** 2 stainless steel hooks.



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6216-5910</b>

**For the Danish market.**

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

**ETS device functions:**

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

With fixing frame for DK-Fuga wall box.

**KNX software functions:****Control unit/push-button:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

**Functions of the room temperature control unit:**

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External

temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display

MTN5775-0003

**Note: Programmable with ETS4 and higher.**

**Contents:** With fixing frame for DK-Fuga wall box.

With bus connecting terminal.



## Remote sensor for universal room temperature control unit with touch display



Version	Art. no.
	<b>MTN5775-0003</b>

For use with underfloor heating systems.

**To be completed with:** Universal temperature control unit insert with touch display

MTN5775-0000

Programmable universal temperature control unit insert with touch display MTN5776-0000

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

Access control



KNX Access Control eSuite+PC



Version	Art. no.
	<b>MTN6903-6300</b> <b>Discontinued</b>

With this server it is possible to connect up to 3 external clients with 3 KNX Access Control USB card programmers real time. The connection is done through Ethernet interface. USB dongle license is included for unlimited rooms. Integration with third party ERP Fidelio, Leonardo, Gialb systems is possible.  
**Accessories:** KNX Access Control RFID Card reader glass MTN6903-60..., KNX Access Control RFID Card holder glass MTN6903-61..., KNX Access Control RTC glass MTN6903-62..., KNX Access Control USB card prog. MTN6903-6301



KNX Access Control USB card prog.



Version	Art. no.
	<b>MTN6903-6301</b> <b>Discontinued</b>

The device is fitted in a table container with 3 modules, and is equipped with a USB for the connection to a PC. It is back lighted for signalling transponder reading or writing. The reader / writer is powered up through the USB port of the PC, which must be provided with the appropriate software to allow the following read/write data: system code, password and date.  
**In KNX, to be completed with:** KNX Access Control eSuite+PC MTN6903-6300  
**Accessories:** KNX Access Control RFID Card reader glass MTN6903-60..., KNX Access Control RFID Card holder glass MTN6903-61..



KNX Access Control RFID Card reader glass



Version	Art. no.
white	<b>MTN6903-6019</b> <b>Discontinued</b>
black	<b>MTN6903-6014</b> <b>Discontinued</b>
aluminium	<b>MTN6903-6060</b> <b>Discontinued</b>

The device has two free potential binary inputs for door contact, window contacts, bathroom alarm or other needed inputs. On the device there are two low voltage relays for any other freely configurable use. The front of the transponder is illuminated if no light is available (for dark locations), goes out if the card is invalid, and flashes for 3 seconds if access is not allowed. It is possible to open the door, execute some lighting scene and any other function through KNX bus. Configuration is done with ETS.  
**Nominal voltage:** 12/24 VAC/DC and KNX bus connection  
**Maximum current:** 150 mA  
**Contact voltage:** 24 Vdc  
**Contact current:** 1mA  
**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529  
**Accessories:** KNX Access Control RFID Card holder glass MTN6903-61..., KNX Access Control RTC glass MTN6903-62..., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300



KNX Access Control RFID Card holder glass



Version	Art. no.
white	<b>MTN6903-6119</b> <b>Discontinued</b>
black	<b>MTN6903-6114</b> <b>Discontinued</b>
aluminium	<b>MTN6903-6160</b> <b>Discontinued</b>

The device has two free potential binary inputs for door contact, window contacts, bathroom alarm or other needed inputs. On the device there are two low voltage relays for any other freely configurable use as locker open signal. The front of the transponder is illuminated if no light is available (for dark locations), goes out if the card is invalid, and flashes for 3 seconds if access is not allowed. It is possible to execute some lighting scene, switch off HVAC system when card is removed and any other function through KNX bus. Configuration is done with ETS. With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**Nominal voltage:** 12/24 VAC/DC and KNX bus connection  
**Maximum current:** 150 mA  
**Contact voltage:** 24 Vdc  
**Contact current:** 1mA  
**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003, SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529  
**Accessories:** KNX Access Control RFID Card reader glass MTN6903-60..., KNX Access Control RTC glass MTN6903-62..., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300



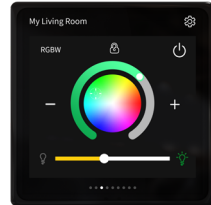
KNX Access Control RTC glass



Version	Art. no.
white	<b>MTN6903-6219</b> <b>Discontinued</b>
black	<b>MTN6903-6214</b> <b>Discontinued</b>
aluminium	<b>MTN6903-6260</b> <b>Discontinued</b>

With room temperature control unit and display. The room temperature control unit can be used for heating and cooling with infinitely adjustable. KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the fan status, automatic/manual mode, temperature and operating mode. The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons. The device has one free potential binary input for door contact, window contacts, bathroom alarm or other needed inputs. On the device there are one low voltage relay for any other freely configurable use as locker open signal. With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**Accessories:** KNX Access Control RFID Card reader glass MTN6903-60..., KNX Access Control RFID Card holder glass MTN6903-61..., KNX Access Control USB card prog. MTN6903-6301, KNX Access Control eSuite+PC MTN6903-6300

## Push-buttons design-independent



## SpaceLogic KNX 4" Touch Unit



Version

Art. no.

glass **MTN6215-0410**

The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

**User interface functions:**

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

**Main functions**

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

**HVAC controller functions:**

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

**Power supply from KNX:** DC 21-30 V approx. 24 V/3 mA

**Auxiliary Power supply:** DC 21-30 V approx. 24 V/85 mA

**Screen:** 10 cm (3.95") LCD, 480 x 480 pixels

**Measuring accuracy:** ±1 °C at 25 °C

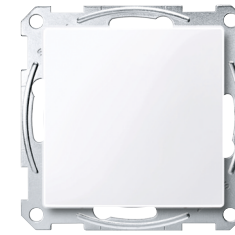
**IP protection rating:** IP 20

**Dimensions WxHxD:** 86 x 86 x 32 mm

**Accessories:** Dismantling protection MTN6270-0000

**Note:** Programmable with ETS5 and higher.

## Push-buttons System M



## KNX Push-button Pro T



Version

Art. no.

 polar white, glossy **MTN6185-0319**
 active white, glossy **MTN6185-0325**
 anthracite **MTN6185-0414**
 aluminium **MTN6185-0460**

For System M.

Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.

The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.

In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.

The position of the operating buttons varies depending on the selected number of operating buttons.

With status indicators.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**ETS device functions:**

- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

**KNX software functions:**

With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

**Accessories:** Dismantling protection MTN6270-0000

Foil set for KNX Push-button Pro MTN6270-0010

**Note:** Programmable only with ETS5.

**Contents:** Device with inserted prefabricated foil.

With bus connecting terminal and supporting plate.

3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

# Push-Buttons



## KNX Push-button Pro



Version	Art. no.	
<input type="checkbox"/> polar white, glossy	<b>MTN6180-0319</b>	<b>Discontinued</b>
<input type="checkbox"/> active white, glossy	<b>MTN6180-0325</b>	<b>Discontinued</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6180-0414</b>	<b>Discontinued</b>
<input type="checkbox"/> aluminium	<b>MTN6180-0460</b>	<b>Discontinued</b>

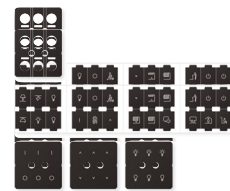
For System M.  
 Push-button with 1 to 4 operating buttons and status displays. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs.  
 The position of the operating buttons varies depending on the selected number of operating buttons.  
**ETS device functions:**  
 ■ Behaviour and brightness of the status displays  
 ■ Night mode: LEDs light up with reduced brightness  
 ■ Proximity function: The LEDs are only activated and the functions only become visible when approached.  
 With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:**  
 2 programming options:  
 ■ Express setting: Calls up a pre-set configuration  
 ■ Advanced setting: Individual configuration  
 Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Accessories:** Dismantling protection MTN6270-0000  
 Foil set for KNX Push-button Pro MTN6270-0010  
**Note: Programmable with ETS4 and higher.**  
**Contents:** Device with inserted prefabricated foil.  
 With bus connecting terminal and supporting plate.  
 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

## Foil set for KNX Push-button Pro

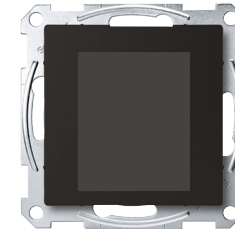


Version	Art. no.
	<b>MTN6270-0010</b>

Spare part  
 For System M.  
 For individual marking of the KNX Push-buttons Pro/Pro T.  
**In KNX, to be completed with:** KNX Push-button Pro T MTN6185-03/04..., KNX Push-button Pro MTN6180-03/04...  
**Contents:** 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



# Push-Buttons



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-0310</b>

For System M.  
 Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.  
 With room temperature control unit, display and connection for the remote sensor.  
 The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.  
**ETS device functions:**  
 ■ Switch-on behaviour of the user interface  
 ■ Proximity function: The display and the start screen only become visible when approached  
 ■ Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.  
 ■ Cleaning mode: For a specific period of time, neither touches nor gestures are detected  
 ■ Adjusting the background lighting  
 ■ Setting the screen saver  
 With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:**  
**Control unit/push-button:**  
 Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment  
**Functions of the room temperature control unit:**  
 Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)  
 Output: continuous in the range 0 to 100% or switching ON/OFF  
 Controller mode:  
 ■ Heating with one controller output  
 ■ Cooling with one controller output  
 ■ Heating and cooling with separate controller outputs  
 ■ 2-step heating with 2 control outputs  
 ■ 2-step cooling with 2 control outputs  
 ■ 2-step heating and cooling with 4 control outputs  
 Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection  
 Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.  
 Scene function.  
 Operation: Touch display  
**Accessories:** Dismantling protection MTN6270-0000  
 Remote sensor for universal room temperature control unit with touch display MTN5775-0003  
**Note: Programmable with ETS4 and higher.**  
**Contents:** With bus connecting terminal and supporting plate.

## Remote sensor for universal room temperature control unit with touch display



Version	Art. no.
	<b>MTN5775-0003</b>

For use with underfloor heating systems.  
**To be completed with:** Universal temperature control unit insert with touch display MTN5775-0000  
 Programmable universal temperature control unit insert with touch display MTN5776-0000  
 KNX Multitouch Pro System M MTN6215-03..  
 System D MTN6215-59..  
 System D MTN6216-5910





# Push-Buttons



### Dismantling protection



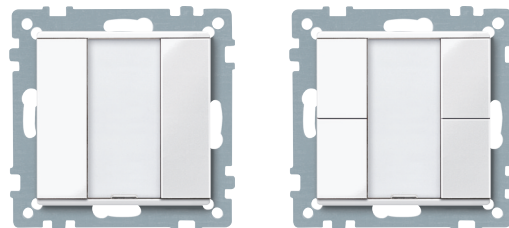
Version	Art. no.
	<b>MTN6270-0000</b>

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

**In KNX, to be completed with:**

- KNX Push-button ProT
  - System M MTN6185-03/04..
  - System Design MTN6185-60..
- KNX Push-button Pro
  - System M MTN6180-03/04..
  - System D MTN6180-60..
  - System D MTN6181-6035
- KNX Multitouch Pro System M MTN6215-03..
  - System D MTN6215-59..
  - System D MTN6216-5910
- SpaceLogic KNX 4" Touch Unit MTN6215-0410

**Contents:** 2 stainless steel hooks.



### Push-button, 1-gang plus



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN617144</b>
<input type="checkbox"/> polar white, glossy	<b>MTN617119</b>
<input type="checkbox"/> active white, glossy	<b>MTN617125</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN627514</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN627560</b>

For System M.  
With integrated bus coupling unit.  
Push-button with 2 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.  
The device is connected to the bus line with a bus connecting terminal.

**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Labelling sheets for push-buttons System M MTN6183..  
**Contents:** With protective hood for plaster. With bus connecting terminal.

### Push-button, 2-gang plus



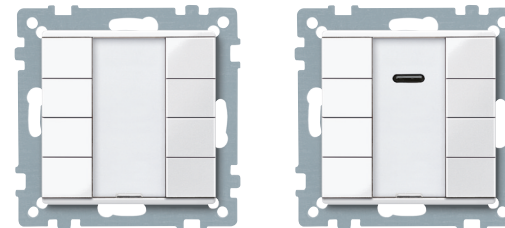
Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN617244</b>
<input type="checkbox"/> polar white, glossy	<b>MTN617219</b>
<input type="checkbox"/> active white, glossy	<b>MTN617225</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN627614</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN627660</b>

For System M.  
With integrated bus coupling unit.  
Push-button with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.  
The device is connected to the bus line with a bus connecting terminal.

**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Labelling sheets for push-buttons System M MTN6183..  
**Contents:** With protective hood for plaster. With bus connecting terminal.

# Push-Buttons



### Push-button, 4-gang plus



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN617444</b>
<input type="checkbox"/> polar white, glossy	<b>MTN617419</b>
<input type="checkbox"/> active white, glossy	<b>MTN617425</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN627814</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN627860</b>

For System M.  
With integrated bus coupling unit.  
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.  
The device is connected to the bus line with a bus connecting terminal.

**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Labelling sheets for push-buttons System M MTN6183..  
**Contents:** With protective hood for plaster. With bus connecting terminal.

### Push-button, 4-gang plus with IR receiver



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN617544</b>
<input type="checkbox"/> polar white, glossy	<b>MTN617519</b>
<input type="checkbox"/> active white, glossy	<b>MTN617525</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN627914</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN627960</b>

For System M.  
With integrated bus coupling unit.  
Push-button with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.  
The functions of each of the keys can be triggered using an IR remote control.  
The push-button is pre-programmed for operation with a Merten IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.  
The device is connected to the bus line with a bus connecting terminal.

**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Labelling sheets for multi-function push-button with IR receiver System M MTN6184..  
**Transmitter:** IR universal remote control MTN5761-0000  
**Contents:** With protective hood for plaster. With bus connecting terminal.



### Labelling sheets for push-buttons



Version	Art. no.
polar white	<b>MTN618319</b>
silver	<b>MTN618320</b>

For individual labelling of the System M push-buttons with text or symbols.  
**Accessories from:** Push-button, 1-gang plus System M MTN6275.., MTN6171.., Push-button, 2-gang plus System M MTN6276.., MTN6172.., Push-button, 4-gang plus System M MTN6278.., MTN6174..  
**Contents:** 1 sheet for every 28 products.

### Labelling sheets for multi-function push-button with IR receiver



Version	Art. no.
polar white	<b>MTN618419</b>
silver	<b>MTN618420</b>

For individual labelling of the System M multi-function push-button with IR receiver.  
**Accessories from:** Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175..  
**Contents:** 1 sheet for every 28 products.

## Push-Buttons



## Protective hood for plaster



Version	Art. no.
	<b>MTN627591</b>

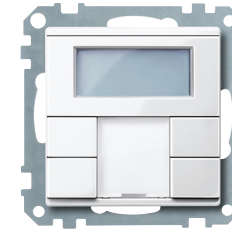
For System M.

To protect push-buttons, rockers, room temperature control units and room controllers from contamination from painting and decorating work.

**Accessories from:** Push-button, 1-gang plus System M MTN6275.., MTN6171.., Push-button, 2-gang plus System M MTN6276.., MTN6172.., Push-button, 4-gang plus System M MTN6278.., MTN6174.., Push-button, 4-gang plus with IR receiver System M MTN6279.., MTN6175.., Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04.., Rocker for 1-gang push-button module System M MTN6191.., MTN6251.., Rocker for 1-gang push-button module with 1/0 imprint System M MTN6254.., MTN6193.., Rocker for 1-gang push-button module with up/down arrow imprint System M MTN6255.., MTN6194.., Rockers for 2-gang push-button module System M MTN6192.., MTN6252.., Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint System M MTN6256.., MTN6195.., Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint System M MTN6257.., MTN6196.., Rockers for 2-gang push-button module with up/down arrow imprint System M MTN6258.., MTN6197..

**Note:** When the protective hood for plaster is in place, the temperature measurement of the room temperature control unit is restricted.

## Push-Buttons



## Push-button 2-gang plus with room temperature control unit



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6212-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6212-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6212-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6212-0414</b>
<input type="checkbox"/> aluminium	<b>MTN6212-0460</b>

For System M.

Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With 5 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

**Functions of the push-buttons:**

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

**Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

**Contents:** With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

# Push-Buttons



## Push-button 4-gang plus with room temperature control unit



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6214-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6214-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6214-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6214-0414</b>
<input type="checkbox"/> aluminium	<b>MTN6214-0460</b>

For System M.  
 Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.  
 With room temperature control unit and display.  
 With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.  
 With 9 red LEDs.  
 The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.  
 The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.  
 With integrated bus coupler. The bus is connected using a bus connecting terminal.

### KNX software functions: Functions of the push-buttons:

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

### Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

### Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

**Transmitter:** IR universal remote control MTN5761-0000

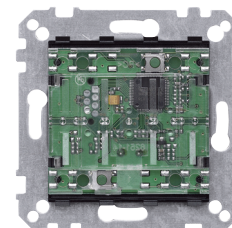
**To be completed with:** M-Smart frame, 2-gang without central bridge piece MTN4788..., M-Arc frame, 2-gang without central bridge piece MTN4858..., M-Star frame, 2-gang without central bridge piece MTN4668..., MTN4768..., MTN4868..., M-Plan frames, 2-gang without central bridge piece MTN4888..., MTN5158..., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038..., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..

**Contents:** With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

# Push-Buttons



## Rocker for 1-gang push-button module



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619144</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619119</b>
<input type="checkbox"/> active white, glossy	<b>MTN619125</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625114</b>
<input type="checkbox"/> aluminium	<b>MTN625160</b>

For System M.  
 The rocker is attached to the 1-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 1-gang System M MTN625199  
**Accessories:** Protective hood for plaster System M MTN627591

## Rocker for 1-gang push-button module with 1/0 imprint



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619319</b>
<input type="checkbox"/> active white, glossy	<b>MTN619325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625414</b>
<input type="checkbox"/> aluminium	<b>MTN625460</b>

For System M.  
 The rocker is attached to the 1-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 1-gang System M MTN625199  
**Accessories:** Protective hood for plaster System M MTN627591

## Rocker for 1-gang push-button module with up/down arrow imprint



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619444</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619419</b>
<input type="checkbox"/> active white, glossy	<b>MTN619425</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625514</b>
<input type="checkbox"/> aluminium	<b>MTN625560</b>

For System M.  
 The rocker is attached to the 1-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 1-gang System M MTN625199  
**Accessories:** Protective hood for plaster System M MTN627591

## KNX push-button module, 1-gang



Version	Art. no.
	<b>MTN625199</b>

For System M.  
 Push-button module without rocker. With programmable status display.  
 The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.  
**KNX software functions:** The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).  
 Single-surface: Switch ON or switch OFF, dimming, scenes.  
 Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.  
**In KNX, to be completed with:** Rocker for 1-gang push-button module System M MTN6191..., MTN6251..., Rocker for 1-gang push-button module with 1/0 imprint System M MTN6254..., MTN6193..., Rocker for 1-gang push-button module with up/down arrow imprint System M MTN6255..., MTN6194..

## Push-Buttons



### Rockers for 2-gang push-button module



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619244</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619219</b>
<input type="checkbox"/> active white, glossy	<b>MTN619225</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625214</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN625260</b>

For System M.  
The rockers are attached to the 2-gang push-button module.  
**To be completed with:** Push-button module, 2-gang System M MTN568499  
**In KNX, to be completed with:** KNX push-button module, 2-gang System M MTN625299  
**Accessories:** Protective hood for plaster System M MTN627591

### Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619544</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619519</b>
<input type="checkbox"/> active white, glossy	<b>MTN619525</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625614</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN625660</b>

For System M.  
The rockers are attached to the 2-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 2-gang System M MTN625299  
**Accessories:** Protective hood for plaster System M MTN627591



### Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619644</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619619</b>
<input type="checkbox"/> active white, glossy	<b>MTN619625</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625714</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN625760</b>

For System M.  
The rockers are attached to the 2-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 2-gang System M MTN625299  
**Accessories:** Protective hood for plaster System M MTN627591

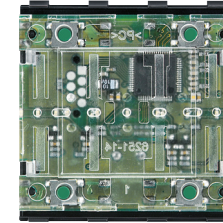
### Rockers for 2-gang push-button module with up/down arrow imprint



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN619744</b>
<input type="checkbox"/> polar white, glossy	<b>MTN619719</b>
<input type="checkbox"/> active white, glossy	<b>MTN619725</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN625814</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN625860</b>

For System M.  
The rockers are attached to the 2-gang push-button module.  
**In KNX, to be completed with:** KNX push-button module, 2-gang System M MTN625299  
**Accessories:** Protective hood for plaster System M MTN627591

## Push-Buttons



### KNX push-button module, 2-gang

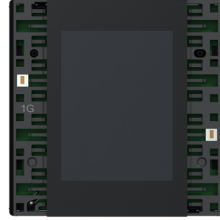


Version	Art. no.
	<b>MTN625299</b>

For System M.  
Push-button module without rockers. With programmable status display.  
The device is connected to the bus line with a bus connecting terminal. With integrated bus coupler.  
**KNX software functions:** The push-buttons can be parameterised either as a pair (dual-surface) or individually (single-surface).  
Single-surface: Switch ON or switch OFF, dimming, scenes.  
Dual-surface: Switch ON or switch OFF, dimming, scenes, blinds.  
**In KNX, to be completed with:** Rockers for 2-gang push-button module System M MTN6192.., MTN6252.., Rockers for 2-gang push-button module with 1/0 and up/down arrow imprint System M MTN6256.., MTN6195.., Rockers for 2-gang push-button module with up/down arrow and 1/0 imprint System M MTN6257.., MTN6196.., Rockers for 2-gang push-button module with up/down arrow imprint System M MTN6258.., MTN6197..



## Push-buttons System D



## KNX Push Button Dynamic Labeling, 1-gang



Version	Art. no.
1-gang	<b>MTN6191-6010</b>

For System D.

The KNX Push Button Dynamic Labeling 1-gang is a push button for 2 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

**ETS device functions:**

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity  $\leq 12$  cm

**KNX software functions:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

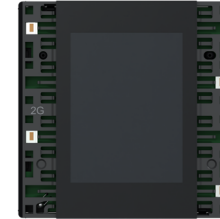
The bus is connected using a bus connecting terminal, power supply via the KNX bus.

**To be completed with:** Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

**Accessories:** Dismantling protection MTN6270-0000

**Note:** Programmable with ETS5, ETS6, and eConfigure KNX.

**Contents:** Push button, bus connecting terminal and supporting plate.



## KNX Push Button Dynamic Labeling, 2-gang



Version	Art. no.
2-gang	<b>MTN6192-6010</b>

For System D.

The KNX Push Button Dynamic Labeling 2-gang is a push button for 4 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

**ETS device functions:**

- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
- Temperature measurement by internal sensor and setpoint change option for HVAC
- Night mode with reduced display brightness
- Orientation indicator: configuration of behaviour, color and brightness
- KNX programming mode can be activated from the back and from the front.
- Proximity function: can be triggered by the sensor or by object, range of proximity  $\leq 12$  cm

**KNX software functions:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

There are 2 programming options for the KNX software functions:

- Express settings: Calls up a pre-set configuration of the functions
- Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.

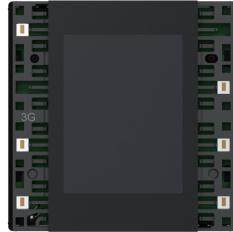
**To be completed with:** Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052

**Accessories:** Dismantling protection MTN6270-0000

**Note:** Programmable with ETS5, ETS6, and eConfigure KNX.

**Contents:** Push button, bus connecting terminal and supporting plate.

# Push-Buttons



## KNX Push Button Dynamic Labeling, 3-gang



Version	Art. no.
3-gang	<b>MTN6193-6010</b>

For System D.  
The KNX Push Button Dynamic Labeling 3-gang is a push button for 6 rockers on which different functions can be set. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

- ETS device functions:**
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
  - Temperature measurement by internal sensor and setpoint change option for HVAC
  - Night mode with reduced display brightness
  - Orientation indicator: configuration of behaviour, color and brightness
  - KNX programming mode can be activated from the back and from the front.
  - Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm
- KNX software functions:**

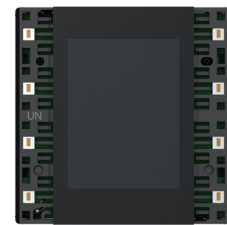
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

- There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
  - Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.  
**To be completed with:** Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052

**Accessories:** Dismantling protection MTN6270-0000  
**Note: Programmable with ETS5, ETS6, and eConfigure KNX.**  
**Contents:** Push button, bus connecting terminal and supporting plate.

# Push-Buttons



## KNX Push Button Dynamic Labeling, universal



Version	Art. no.
universal	<b>MTN6194-6010</b>

For System D.  
The KNX Push Button Dynamic Labeling Universal is a push button for 2 to max 8 rockers on which different functions can be set. This flexible structure allows the number of rockers/functions to be adapted to changing requirements. The functions are configured in the ETS or eConfigure KNX and then shown accordingly on the display. This type of labeling makes it very easy to change a symbol and text.

- ETS device functions:**
- Display: Icons can be selected to match the function and their color and brightness can be configured. Individual text can be placed. Cleaning mode can be configured.
  - Temperature measurement by internal sensor and setpoint change option for HVAC
  - Night mode with reduced display brightness
  - Orientation indicator: configuration of behaviour, color and brightness
  - KNX programming mode can be activated from the back and from the front.
  - Proximity function: can be triggered by the sensor or by object, range of proximity ≤12 cm
- KNX software functions:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene, RGB lighting, color temperature control, locking function, logic function (AND, OR, XOR, threshold converter, format converter).

- There are 2 programming options for the KNX software functions:
- Express settings: Calls up a pre-set configuration of the functions
  - Extended settings: Individual configuration of the functions

The bus is connected using a bus connecting terminal, power supply via the KNX bus.  
**To be completed with:** Rocker 1-gang for KNX Push Button Dynamic Labeling MTN6191-6035, MTN6191-6034, MTN6191-6036, MTN6191-6050, MTN6191-6052

Rocker 2-gang for KNX Push Button Dynamic Labeling MTN6192-6035, MTN6192-6034, MTN6192-6036, MTN6192-6050, MTN6192-6052  
Rocker 3-gang for KNX Push Button Dynamic Labeling MTN6193-6035, MTN6193-6034, MTN6193-6036, MTN6193-6050, MTN6193-6052  
Rocker 4-gang for KNX Push Button Dynamic Labeling MTN6194-6035, MTN6194-6034, MTN6194-6036, MTN6194-6050, MTN6194-6052

**Accessories:** Dismantling protection MTN6270-0000  
**Note: Programmable with ETS5, ETS6, and eConfigure KNX.**  
**Contents:** Push button, bus connecting terminal and supporting plate.

## Rocker 1-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6191-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6191-6034</b>
<input type="checkbox"/> stainless steel	<b>MTN6191-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6191-6050</b>
<input type="checkbox"/> mocca metallic	<b>MTN6191-6052</b>

For System D.  
The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

**To be completed with:** KNX Push Button Dynamic Labeling, 1-gang MTN6191-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010  
**Contents:** 1x rocker 1-gang.



## Rocker 2-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6192-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6192-6034</b>
<input type="checkbox"/> stainless steel	<b>MTN6192-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6192-6050</b>
<input checked="" type="checkbox"/> mocca metallic	<b>MTN6192-6052</b>

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

**To be completed with:** KNX Push Button Dynamic Labeling, 2-gang MTN6192-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010

**Contents:** 2x rockers 2-gang.

## Rocker 3-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6193-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6193-6034</b>
<input type="checkbox"/> stainless steel	<b>MTN6193-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6193-6050</b>
<input checked="" type="checkbox"/> mocca metallic	<b>MTN6193-6052</b>

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

**To be completed with:** KNX Push Button Dynamic Labeling, 3-gang MTN6193-6010, KNX Push Button Dynamic Labeling, universal MTN6194-6010

**Contents:** 1x rocker 2-gang, 2x rockers 4-gang

## Rocker 4-gang for KNX Push Button Dynamic Labeling



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6194-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6194-6034</b>
<input type="checkbox"/> stainless steel	<b>MTN6194-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6194-6050</b>
<input checked="" type="checkbox"/> mocca metallic	<b>MTN6194-6052</b>

For System D.

The rockers are placed on the Push Button Dynamic Labeling. The rockers can be put on and removed again without tools.

**To be completed with:** KNX Push Button Dynamic Labeling, universal MTN6194-6010

**Contents:** 4x rockers 4-gang.



## KNX Push-button Pro T



Version	Art. no.
<b>Thermoplastic</b>	
<input type="checkbox"/> lotus white	<b>MTN6185-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6185-6034</b>
<input type="checkbox"/> sahara	<b>MTN6185-6033</b>
<input type="checkbox"/> stainless steel	<b>MTN6185-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6185-6050</b>
<input type="checkbox"/> champagne metallic	<b>MTN6185-6051</b>
<input checked="" type="checkbox"/> mocca metallic	<b>MTN6185-6052</b>

For System D.

Push-button with 1 to 4 operating buttons and integrated temperature sensor for room temperature measurement.

The push button allows two different operation methods: either the normal manual operation via key stroke or the touchless operation triggered by proximity. The touchless operation allows to trigger 1 function, such as toggling or calling up a scene. Both operation methods cannot be performed simultaneously on the same push-button.

In idle state, the surface of the push-button appears as a uniform plane. The labelling of the push-buttons only becomes visible via the backlit symbols after activation. For this purpose, the included prefabricated foils or the individual symbols with various icons.

The position of the operating buttons varies depending on the selected number of operating buttons.

With status indicators.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**ETS device functions:**

- Behaviour and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor

**KNX software functions:**

With touchless function: toggle, switch on, switch off, call up scene

With normal manual operation there are 2 programming options:

- Express settings: Calls up a pre-set configuration
  - Extended settings: Individual configuration
- Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4-bit or 1-byte telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, locking function.

Proximity function: triggered by object or sensor, sensitivity adjustment

Temperature sensor: offset setting, sending of the actual temperature in case of a deviation, cyclic sending of the actual temperature

**Accessories:** Dismantling protection MTN6270-0000

Foil set for KNX Push-button Pro MTN6270-0011

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Note: Programmable only with ETS5.**

**Contents:** Device with inserted prefabricated foil.

With bus connecting terminal and supporting plate.

3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



## Push-Buttons



## KNX Push-button Pro



Version

Art. no.

## Thermoplastic

<input type="checkbox"/>	lotus white	MTN6180-6035	Discontinued
<input checked="" type="checkbox"/>	anthracite	MTN6180-6034	Discontinued
<input checked="" type="checkbox"/>	sahara	MTN6180-6033	Discontinued
<input checked="" type="checkbox"/>	stainless steel	MTN6180-6036	Discontinued
<input checked="" type="checkbox"/>	nickel metallic	MTN6180-6050	Discontinued
<input checked="" type="checkbox"/>	champagne metallic	MTN6180-6051	Discontinued
<input checked="" type="checkbox"/>	mocca metallic	MTN6180-6052	Discontinued

For System D.

Push-button with 1 to 4 operating buttons and status displays. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs.

The position of the operating buttons varies depending on the selected number of operating buttons.

## ETS device functions:

- Behaviour and brightness of the status displays
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

## KNX software functions:

2 programming options:

- Express setting: Calls up a pre-set configuration
- Advanced setting: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Dismantling protection MTN6270-0000

Foil set for KNX Push-button Pro MTN6270-0011

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Note: Programmable with ETS4 and higher.**

**Contents:** Device with inserted prefabricated foil.

With bus connecting terminal and supporting plate.

3 prefabricated foils and 24 different individual symbols with 1 carrier foil.

## Push-Buttons



## KNX Push-button Pro



Version

Art. no.

 lotus white **MTN6181-6035**

## For the Danish market.

For System D.

Push-button with 1 to 4 operating buttons and status displays. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs.

The position of the operating buttons varies depending on the selected number of operating buttons.

## ETS device functions:

- Behaviour and brightness of the status displays
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

With fixing frame for DK-Fuga wall box.

## KNX software functions:

2 programming options:

- Express setting: Calls up a pre-set configuration
- Advanced setting: Individual configuration

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.

**Accessories:** Dismantling protection MTN6270-0000

Foil set for KNX Push-button Pro MTN6270-0011

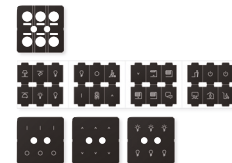
**Note: Programmable with ETS4 and higher.**

**Contents: With fixing frame for DK-Fuga wall box.**

With bus connecting terminal.

Device with inserted prefabricated foil.

3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



## Foil set for KNX Push-button Pro



Version

Art. no.

**MTN6270-0011**

Spare part

For System D.

For individual marking of the KNX Push-buttons Pro/Pro T.

**In KNX, to be completed with:** KNX Push-button Pro T System D MTN6185-60...

KNX Push-button Pro System D MTN6180-60...

System D MTN6181-6035

**Contents:** 3 prefabricated foils and 24 different individual symbols with 1 carrier foil.



## Dismantling protection



Version	Art. no.
	<b>MTN6270-0000</b>

Prevents the KNX Push-buttons Pro/Pro T, KNX Multi-Touch Pro, and 4" Touch Unit from being removed easily.

**In KNX, to be completed with:**

KNX Push-button ProT

System M MTN6185-03/04..

System Design MTN6185-60..

KNX Push-button Pro

System M MTN6180-03/04..

System D MTN6180-60..

System D MTN6181-6035

KNX Multitouch Pro System M MTN6215-03..

System D MTN6215-59..

System D MTN6216-5910

SpaceLogic KNX 4" Touch Unit MTN6215-0410

**Contents:** 2 stainless steel hooks.



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-5910</b>

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

**ETS device functions:**

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Control unit/push-button:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

**Functions of the room temperature control unit:**

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit

with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Note: Programmable with ETS4 and higher.**

**Contents:** With bus connecting terminal and supporting plate.

# Push-Buttons



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6216-5910</b>

**For the Danish market.**  
For System D.  
Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs. With room temperature control unit, display and connection for the remote sensor. The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

**ETS device functions:**

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.  
With fixing frame for DK-Fuga wall box.

**KNX software functions:**  
**Control unit/push-button:**  
Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

**Functions of the room temperature control unit:**  
Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)  
Output: continuous in the range 0 to 100% or switching ON/OFF  
Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection  
Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM. Signal function for the actual temperature, valve protection function.  
Scene function.  
Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000  
Remote sensor for universal room temperature control unit with touch display MTN5775-0003

**Note: Programmable with ETS4 and higher.**  
**Contents: With fixing frame for DK-Fuga wall box.**  
With bus connecting terminal.

## Remote sensor for universal room temperature control unit with touch display

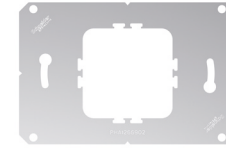


Version	Art. no.
	<b>MTN5775-0003</b>

For use with underfloor heating systems.  
**To be completed with:** Universal temperature control unit insert with touch display MTN5775-0000  
Programmable universal temperature control unit insert with touch display MTN5776-0000  
KNX Multitouch Pro System M MTN6215-03..  
System D MTN6215-59..  
System D MTN6216-5910



# Push-Buttons



## Fixing frame for 3-module box



Version	Art. no.
	<b>MTN6270-0015</b>

Fixing frame for 3-module installation boxes.  
Plug the KNX devices together with the D-Life frame, 1-gang, for 3-module box on the fixing frame.  
Suitable for installation on 3-module boxes.  
**To be completed with:** D-Life frame, 1-gang, for 3-module box System D MTN6010-65xx

## D-Life frame, 1-gang, for 3-module box



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6010-6535</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6010-6534</b>
<input type="checkbox"/> stainless steel	<b>MTN6010-6536</b>

Plug the KNX System D devices together with the D-Life frame on the fixing frame for 3-module box.  
For horizontal and vertical installation.  
**To be completed with:** Fixing frame for 3-module box MTN6270-0015





# Push-Buttons

## Push-buttons Cuadro H



### Cuadro H KNX push-button, 2 key



Version	Art. no.		
<input type="checkbox"/> white	C2E616101_WE_C1	New	Thermoplastic
<input type="checkbox"/> white	C2E616101_WE_C1B	New	Thermoplastic
<input type="checkbox"/> grey	C2E616101_GY_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616101_MB_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616101_MB_C1B	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616103_MB_C1	New	Glass
<input type="checkbox"/> matt black	C2E616102_MB_C1	New	Metal
<input type="checkbox"/> stainless steel	C2E616102_ST_C1	New	Metal

**For the Chinese market.**  
 Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**  
 2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher**

# Push-Buttons



### Cuadro H KNX push-button, 4 key



Version	Art. no.		
<input type="checkbox"/> white	C2E616201_WE_C1	New	Thermoplastic
<input type="checkbox"/> white	C2E616201_WE_C1B	New	Thermoplastic
<input type="checkbox"/> grey	C2E616201_GY_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616201_MB_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616201_MB_C1B	New	Thermoplastic
<input type="checkbox"/> matt black	C2E616203_MB_C1	New	Glass
<input type="checkbox"/> matt black	C2E616202_MB_C1	New	Metal
<input type="checkbox"/> stainless steel	C2E616202_ST_C1	New	Metal

**For the Chinese market.**  
 Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**  
 2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

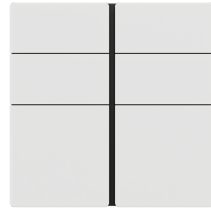
Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher**

## Push-Buttons



## Cuadro H KNX push-button, 6 key



Version	Art. no.		
<input type="checkbox"/> white	C2E616301_WE_C1	New	Thermoplastic
<input type="checkbox"/> white	C2E616301_WE_C1B	New	Thermoplastic
<input checked="" type="checkbox"/> grey	C2E616301_GY_C1	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616301_MB_C1	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616301_MB_C1B	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616303_MB_C1	New	Glass
<input checked="" type="checkbox"/> matt black	C2E616302_MB_C1	New	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616302_ST_C1	New	Metal

**For the Chinese market.**

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

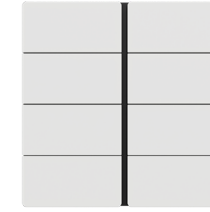
Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher**

## Push-Buttons



## Cuadro H KNX push-button, 8 key



Version	Art. no.		
<input type="checkbox"/> white	C2E616401_WE_C1	New	Thermoplastic
<input type="checkbox"/> white	C2E616401_WE_C1B	New	Thermoplastic
<input checked="" type="checkbox"/> grey	C2E616401_GY_C1	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616401_MB_C1	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616401_MB_C1B	New	Thermoplastic
<input checked="" type="checkbox"/> matt black	C2E616403_MB_C1	New	Glass
<input checked="" type="checkbox"/> matt black	C2E616402_MB_C1	New	Metal
<input checked="" type="checkbox"/> stainless steel	C2E616402_ST_C1	New	Metal

**For the Chinese market.**

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached. Adjustable proximity sensitivity for normal/night mode

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Button type (pc, glass, metal) and number of buttons, switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher**



## Cuadro H KNX thermostat



Version	Art. no.		
<input type="checkbox"/> white	C2E621201_WE_C1	New	Thermoplastic
<input type="checkbox"/> white	C2E621201_WE_C1B	New	Thermoplastic
<input type="checkbox"/> grey	C2E621201_GY_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E621201_MB_C1	New	Thermoplastic
<input type="checkbox"/> matt black	C2E621201_MB_C1B	New	Thermoplastic
<input type="checkbox"/> stainless steel	C2E621201_ST_C1	New	Thermoplastic

**For the Chinese market.**

Comfortable room controller with 4 integrated touch buttons with which all functions from room temperature control to load control (switching, dimming, blind) can be activated. An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.

The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization. LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Brightness of LED with status ON in normal mode/night mode, selection of the LEDs to be used in night mode
- Night mode: LEDs light up with reduced brightness
- Display settings: units, backlight level (normal/standby), delay time
- Proximity function triggered by object
- Button volume

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

**Express settings:**

- Dual-surface: Switching on/off, dimming brighter/darker, moving blind up/down, temperature +/-
- Single-surface: Power on, control mode, operation mode, fan speed, function page, toggling, Scene

**Extended settings:**

Switching, dimming, value output, scene control (recall/store a scene), blind, loop operation (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

**Functions of the room temperature control unit:**

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller
- VRF control

**General:** Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note:** Programmable with ETS5 and higher.

## Push-buttons UNiCA

## UNiCA



## Unica KNX push-button, 2 key



Version	Art. no.
<b>Thermoplastic</b>	
<input type="checkbox"/> dark grey	NP16161_01BK_E1
<input type="checkbox"/> wine gold	NP16161_01WG_E1
<input type="checkbox"/> silver	NP16161_01SL_E1

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

**General:** Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note:** Programmable with ETS5 and higher.

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.



## Push-Buttons



## Unica KNX push-button, 4 key



Version	Art. no.
---------	----------

## Thermoplastic

■ dark grey	NP16162_01BK_E1
■ wine gold	NP16162_01WG_E1
■ silver	NP16162_01SL_E1

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

## ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

## KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 6 key



Version	Art. no.
---------	----------

## Thermoplastic

■ dark grey	NP16163_01BK_E1
■ wine gold	NP16163_01WG_E1
■ silver	NP16163_01SL_E1

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

## ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

## KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 8 key



Version Art. no.

## Thermoplastic

■ dark grey	NP16164_01BK_E1
■ wine gold	NP16164_01WG_E1
■ silver	NP16164_01SL_E1

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

## ETS device functions:

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

## KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 5 key plus thermostat



Version Art. no.

## Thermoplastic

■ dark grey	NP16212_01BK_E1
■ wine gold	NP16212_01WG_E1
■ silver	NP16212_01SL_E1

Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

## ETS device functions:

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

## KNX software functions:

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 8 key plus thermostat



Version	Art. no.
<b>Thermoplastic</b>	
■ dark grey	<b>NP16214_01BK_E1</b>
■ wine gold	<b>NP16214_01WG_E1</b>
■ silver	<b>NP16214_01SL_E1</b>

Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX 4.0 inch touch screen



Version	Art. no.
glass	<b>NP16260_0104</b>

Comfortable room controller with 4 inch touch panel to control up to 54 functions and the room temperature.

All functions are displayed on up to 9 touch screens and called up with simple finger movements. The touch screen is customizable, e.g. the user can choose between 3 theme styles, different screen savers, 43 predefined icons and 35 individual icons.

The proximity can be triggered by an object (presence detector) and can also be sent, e.g. to trigger another action or for visualization.

An FCU controller, a floor heating controller and a ventilation controller are available as HVAC controllers.

**ETS device functions:**

- On/Off behavior of the user interface
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**Functions, control unit/push-button:**

- Dual-surface: switch, brightness dimming, curtain step/move, roller blind step/move, scene, value output, loop operation, multiple operation, weather information, energy monitoring
- Single-surface: switch, scene, value output, loop operation, multiple operation, weather information, energy monitoring, air quality display
- With only one function of the screen: brightness dimming, RGB dimming (1 x 3 byte, 3 x 1 byte), RGBW dimming (1 x 6 byte, 4 x 1 byte), Colour temperature dimming, venetian blind position and slat, air conditioner control panel (setpoint/actual temperature, internal/external sensor), room temperature control panel, ventilation control panel, audio control (volume adjustment, play mode, 3 play modes)

**Functions of the room temperature control unit:**

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs, indication behaviors

**Note: Programmable with ETS5 and higher.**



## Push-Buttons



## Unica KNX push-button, 2 key



Version	Art. no.
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## Thermoplastic

■ metallic silver	NP16161_01MS
■ wine gold	NP16161_01WG
■ silver	NP16161_01SL

**For the Chinese market.**

Push-button with 2 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 4 key



Version	Art. no.
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## Thermoplastic

■ metallic silver	NP16162_01MS
■ wine gold	NP16162_01WG
■ silver	NP16162_01SL

**For the Chinese market.**

Push-button with 4 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 6 key



Version	Art. no.
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## Thermoplastic

metallic silver	NP16163_01MS
wine gold	NP16163_01WG
silver	NP16163_01SL

**For the Chinese market.**

Push-button with 6 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 8 key



Version	Art. no.
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## Thermoplastic

metallic silver	NP16164_01MS
wine gold	NP16164_01WG
silver	NP16164_01SL

**For the Chinese market.**

Push-button with 8 operating buttons and status indicators. In idle state, the surface of the push-button appears as a uniform plane. The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentatge, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.

## Push-Buttons



## Unica KNX push-button, 5 key plus thermostat



Version

Art. no.

## Thermoplastic

■ metallic silver	NP16212_01MS
■ wine gold	NP16212_01WG
■ silver	NP16212_01SL

**For the Chinese market.**

Push-button with thermostat, display and 5 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.



## Unica KNX push-button, 8 key plus thermostat



Version

Art. no.

## Thermoplastic

■ metallic silver	NP16214_01MS
■ wine gold	NP16214_01WG
■ silver	NP16214_01SL

**For the Chinese market.**

Push-button with thermostat, display and 8 operating buttons with status indicators. With an integrated temperature sensor for temperature measurement. The thermostat supports Fan Coil Units (FCU), Variable Refrigerant Flow systems (VRF), floor heating systems and ventilation.

The display shows all relevant information for room temperature control e.g. the actual temperature, heating/cooling status, ventilation, ...

The inscription of the keys only becomes visible via the backlit symbols following activation. For this, you can use the enclosed prefabricated foils or the individual symbols with various motifs. Cool white and warm white LEDs show status, the brightness can be defined according to normal and night mode.

**ETS device functions:**

- Display settings: temperature unit, brightness level, standby adjustment
- Behavior and brightness of the status indicators
- Night mode: LEDs light up with reduced brightness
- Proximity function: The LEDs are only activated and the functions only become visible when approached.
- Temperature sensor: Calibration and sending behavior

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:**

2 programming options:

- Express settings: Calls up a pre-set configuration
- Extended settings: Individual configuration

Express settings: Power on/off of the device, control mode/operation mode (to call with short/long button press), Fan speed, Temperature +/-, Function page, Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), scenes.

Extended settings: Switching, dimming, value output, scene control (recall/store a scene), blind, shift register (stepwise, without steps), RGB lighting (RGB, RGBW), multiple operation in which you can define various functions manually (4 objects - on/off, up/down, recall scene, store scene, percentage, unsigned value), delay mode, color temperature control. For all function a distinction can be made between short and long operation.

HVAC settings: FCU or VRF controller, floor heating and ventilation.

FCU: Heating and/or cooling mode, room temperature can be taken as reference from the internal sensor, an external sensor or a combination of both. Implementation of a window contact. Setpoint adjustment.

VRF: Heating and/or cooling mode, dehumidification mode, fan mode, auto mode, fan speed adjustment, setpoint.

Floor heating: Setpoint, PI control, PWM or switching 2-point feedback control, setpoint adjustment

General: Scene group, logic function (AND; OR, XOR, threshold comparator, format converter), indication behaviors, locking function, support of CO2 sensor, monitoring of further sensors.

**Note: Programmable with ETS5 and higher.**

**Contents:** Device with inserted prefabricated foil. Additional foil with various symbols. Mounting screws.



Push-buttons Altira



KNX push-button 1-gang		KNX push-button 2-gang	
Version	Art. no.	Version	Art. no.
white	<b>ALB45150</b> <b>Discontinued</b>	white	<b>ALB45151</b> <b>Discontinued</b>
aluminium	<b>ALB46150</b> <b>Discontinued</b>	aluminium	<b>ALB46151</b> <b>Discontinued</b>

2 modules  
In Altira design.  
KNX-push-button with 2 buttons and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off.  
With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Contents:** With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).  
With bus connecting terminal.

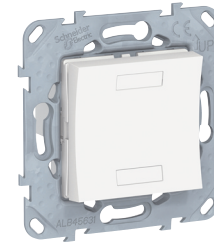
2 modules  
In Altira design.  
KNX-push-button with 4 buttons and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off.  
With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Contents:** With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).  
With bus connecting terminal.

KNX 1-gang push-button with IR receiver	
Version	Art. no.
white	<b>ALB45152</b> <b>Discontinued</b>
aluminium	<b>ALB46152</b> <b>Discontinued</b>

2 modules  
In Altira design.  
KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off.  
The functions of each of the button can be triggered using an IR remote control.  
The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons.  
With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Transmitter:** IR universal remote control MTN5761-0000  
**Contents:** With bus connecting terminal.



Push-buttons Unica

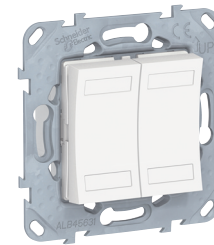


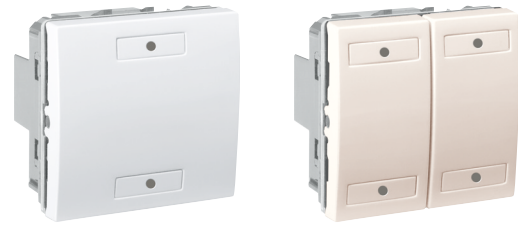
KNX push-button single	
Version	Art. no.
<input type="checkbox"/> white	<b>NU553018</b>
<input type="checkbox"/> white, antibacterial	<b>NU553020</b>
aluminium	<b>NU553030</b>
anthracite	<b>NU553054</b>



2 modules  
In Unica design.  
KNX-push-button with 1 rocker (2 buttons) and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off.  
With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Contents:** With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral).  
With bus connecting terminal.

KNX push-button double	
Version	Art. no.
<input type="checkbox"/> white	<b>NU553118</b>
<input type="checkbox"/> white, antibacterial	<b>NU553120</b>
aluminium	<b>NU553130</b>
anthracite	<b>NU553154</b>


2 modules  
In Unica design.  
KNX-push-button with 2 rockers (4 buttons) and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off.  
With integrated bus coupler. The bus is connected using a bus connecting terminal.  
**KNX software functions:** Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions.  
**Contents:** With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral).  
With bus connecting terminal.







KNX push-button 1-gang		KNX push-button 2-gang	
			
Version	Art. no.	Version	Art. no.
<input type="checkbox"/> white	<b>MGU3.530.18</b>	<input type="checkbox"/> white	<b>MGU3.531.18</b>
<input type="checkbox"/> ivory	<b>MGU3.530.25</b>	<input type="checkbox"/> ivory	<b>MGU3.531.25</b>
<p>2 modules In Unica design. KNX-push-button with 2 buttons and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Contents:</b> With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral). With bus connecting terminal.</p>		<p>2 modules In Unica design. KNX-push-button with 4 buttons and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Contents:</b> With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral). With bus connecting terminal.</p>	




KNX 1-gang push-button with IR receiver	
	
Version	Art. no.
<input type="checkbox"/> white	<b>MGU3.532.18</b>
<input type="checkbox"/> ivory	<b>MGU3.532.25</b>
<p>2 modules In Unica design. KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off. The functions of each of the button can be triggered using an IR remote control. The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Transmitter:</b> IR universal remote control MTN5761-0000 <b>Contents:</b> With bus connecting terminal.</p>	





Push-buttons Unica Top



KNX push-button 1-gang		KNX push-button 2-gang	
			
Version	Art. no.	Version	Art. no.
<input type="checkbox"/> aluminium	<b>MGU3.530.30</b>	<input type="checkbox"/> aluminium	<b>MGU3.531.30</b>
<input type="checkbox"/> graphite	<b>MGU3.530.12</b>	<input type="checkbox"/> graphite	<b>MGU3.531.12</b>
<p>2 modules In Unica Top design. KNX-push-button with 2 buttons and 2 blue status LEDs. The status LED is located under the symbol window which can be taken off. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Contents:</b> With set of 10 symbols: 2x symbol with light opening, 1x symbol "1", 1x symbol "0", 2x symbol for dimming, 2x symbol for shutter, 2x symbol (neutral). With bus connecting terminal.</p>		<p>2 modules In Unica Top design. KNX-push-button with 4 buttons and 4 blue status LEDs. The status LED is located under the symbol window which can be taken off. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Contents:</b> With set of 20 symbols: 4x symbol with light opening, 2x symbol "1", 2x symbol "0", 4x symbol for dimming, 4x symbol for shutter, 4x symbol (neutral). With bus connecting terminal.</p>	



KNX 1-gang push-button with IR receiver	
	
Version	Art. no.
<input type="checkbox"/> aluminium	<b>MGU3.532.30</b>
<input type="checkbox"/> graphite	<b>MGU3.532.12</b>
<p>2 modules In Unica Top design. KNX-push-button with 2 buttons, blue status LED and IR receiver. The status LED is located under the symbol window which can be taken off. The functions of each of the button can be triggered using an IR remote control. The push-button is pre-programmed for operation with a Schneider-Electric IR remote control Distance. Many other IR remote controls (e.g. existing TV or CD player remote controls) can be taught into the push-buttons. With integrated bus coupler. The bus is connected using a bus connecting terminal. <b>KNX software functions:</b> Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions. <b>Transmitter:</b> IR universal remote control MTN5761-0000 <b>Contents:</b> With bus connecting terminal.</p>	

	Push-button interface plus		SpaceLogic KNX Binary input REG-K/x10		SpaceLogic KNX Binary input REG-K/x24		SpaceLogic KNX Binary input REG-K/x230	
								
Article number	MTN670802	MTN670804	MTN644492	MTN644592	MTN644892	MTN644792	MTN644992	MTN644692
Number of channels	2	4	4	8	4	8	4	8
Outputs	2 (only for low-current LEDs)	4 (only for low-current LEDs)	—	—	—	—	—	—
Device width	40x30.5x12.5 mm (LxWxH)		2.5 modules	4 modules	2.5 modules	4 modules	2.5 modules	4 modules
Use cases	Connection of conventional push-buttons or floating contacts		Connection of conventional push-buttons or floating contacts		Connection of conventional devices with AC / DC 24 V outputs, for example, window contacts, wind sensors, glass break sensors		Connection of conventional devices with AC 230 V outputs	
Installation site	In the vicinity of push-buttons		Cabinet		Cabinet		Cabinet	
Connecting terminal	—		Plug-in screw terminals		Plug-in screw terminals		Plug-in screw terminals	
Internally generated voltage	■		■		—		—	
Input voltage / Contact voltage	— / 3.5 V		— / 10 V		AC/DC 24 V / —		AC 230 V / —	
Input current / Contact current	— / 2 mA		— / 2 mA		AC 6 mA, DC 15 mA / —		AC 12 mA / —	
Thresholds	—		—		0 signal: ≤ 5 V 1 signal: ≥ 11 V		0 signal: ≤ 40 V 1 signal: ≥ 160 V	
Maximum line length	7.5 m		50 m		100 m		100 m	
<b>Software</b>								
Toggle	■		■		■		■	
Switching	■		■		■		■	
Dimming (via one/two inputs)	■		■		■		■	
Blind (via one/two inputs)	■		■		■		■	
Blind with position values	■		■		■		■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte)	■		■		■		■	
Edges (1 bit, 2 bit, 4 bit, 1 byte, 2 byte) short and long operation	■		■		■		■	
8 bit slider	■		■		■		■	
Scenes	■		■		■		■	
Pulse counter	■		■		■		■	
Switch counter	■		■		■		■	
Reset counter	■		■		■		■	
Cyclical sending (1 bit, 2 bit, 1 byte)	■		■		■		■	
Locking function for each channel	■		■		■		■	
Locking function								
■ Adjustable for each channel	■		■		■		■	
■ All channels follow the function of a master channel	■		■		■		■	

## Binary inputs



## Push-button interface, 2-gang plus



Version	Art. no.
polar white	<b>MTN670802</b>

Generates an internal signal voltage for connecting two conventional push-buttons or floating contacts, and for direct connecting two low-current LEDs. The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.

**KNX software functions:** Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.

**For each input/output object type:**

**Contact voltage:** < 3 V (SELV)

**Contact current:** < 0.5 mA

**Output current:** max. 2 mA

**Max. cable length:** 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.

**Dimensions:** approx. 40x30.5x12.5 mm (LxWxH)

## Push-button interface, 4-gang plus



Version	Art. no.
polar white	<b>MTN670804</b>

Generates an internal signal voltage for connecting four conventional push-buttons or floating contacts, and for direct connecting four low-current LEDs. The cores are 30 cm long and can be extended to max. 7.5 m. For installation in a conventional 60 mm switch box.

**KNX software functions:** Switching, dimming or controlling blinds via 1 or 2 inputs, position values for blind control (8-bit), pulse edges with 1-, 2-, 4-, or 8-bit telegrams, differentiation between short and long activation, initialisation telegram, cyclical transmission, pulse edges with 2-byte telegrams, 8-bit linear regulator, scenes, counter, disable function, break contact/make contact, debounce time. Outputs for connecting control lamps (low-current LEDs) for the status display.

**For each input/output object type:**

**Contact voltage:** < 3 V (SELV)

**Contact current:** < 0.5 mA

**Output current:** max. 2 mA

**Max. cable length:** 30 cm unshielded, can be extended up to max. 7.5 m with twisted unshielded cable.

**Dimensions:** approx. 40x30.5x12.5 mm (LxWxH)



## SpaceLogic KNX Binary input REG-K/4x10



Version	Art. no.
light grey	<b>MTN644492</b>

For connecting four conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus. With integrated bus coupler and plug-in screw terminals.

The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Inputs:** 4

**Contact voltage:** max. 10 V, clocked

**Contact current:** max. 2 mA, pulsing

**Cable length:** max. 50 m

**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Binary input REG-K/8x10



Version	Art. no.
light grey	<b>MTN644592</b>

For connecting eight conventional push-buttons or floating contacts to the KNX. Internally generates a signal voltage SELV, electrically isolated from the bus. With integrated bus coupler and plug-in screw terminals.

The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Inputs:** 8

**Contact voltage:** max. 10 V, clocked

**Contact current:** max. 2 mA, pulsing

**Cable length:** max. 50 m

**Device width:** 4 modules = approx. 70 mm

**Contents:** With bus connecting terminal and cable cover.



## Binary Inputs



## SpaceLogic KNX Binary input REG-K/4x24



Version	Art. no.
light grey	<b>MTN644892</b>

For connecting four conventional devices with AC/DC 24 V outputs to the KNX.  
With integrated bus coupler and plug-in screw terminals.  
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.  
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Input voltage:** AC / DC 24 V

**Inputs:** 4

**Input current:** DC 15 mA (30 V),  
AC 6 mA (27 V)

**0 signal:** ≤ 5 V

**1 signal:** ≥ 11 V

**Cable length:** max. 100 m

**Device width:** 2.5 modules = approx. 45 mm

**Accessories:** SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003,  
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Contents:** With bus connecting terminal and cable cover.

## SpaceLogic KNX Binary input REG-K/8x24



Version	Art. no.
light grey	<b>MTN644792</b>

For connecting 8 conventional devices with AC/DC 24 V outputs to KNX.  
With integrated bus coupler and plug-in screw terminals.  
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.  
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Input voltage:** AC/DC 24V

**Inputs:** 8

**Input current:** DC approx. 15 mA/AC approx. 6 mA

**Line length:** max. 100 m

**Device width:** 4 modules = approx. 72 mm

**Accessories:** SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A MTN693003,  
SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Contents:** With bus connecting terminal and cable cover.



## Binary Inputs



## SpaceLogic KNX Binary input REG-K/4x230



Version	Art. no.
light grey	<b>MTN644992</b>

For connecting four conventional devices with AC 230 V outputs to the KNX.  
With integrated bus coupler and plug-in screw terminals.  
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.  
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Input voltage:** AC 230 V, 50-60Hz

**Inputs:** 4

**Input current:** AC 12 mA

**0 signal:** ≤ 40 V

**1 signal:** ≥ 160 V

**Cable length:** max. 100 m

**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.

## SpaceLogic KNX Binary input REG-K/8x230



Version	Art. no.
light grey	<b>MTN644692</b>

For connecting eight conventional devices with AC 230 V outputs to the KNX.  
With integrated bus coupler and plug-in screw terminals.  
The input voltage level is displayed at each input with a yellow LED. A green LED indicates that the device is ready for operation once the application has been loaded.  
For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming or blind control via 1 or 2 inputs. Positioning values for blind control (8-bit). Pulse edges with 1-, 2-, 4-, or 8-bit telegrams. Differentiation between short/long operation. Initialisation telegram. Cyclical sending. Pulse edges with 2-byte telegrams. 8-bit linear regulator. Disable function. Break/make contact. Debounce time.

**Input voltage:** AC 230V, 50-60Hz

**Inputs:** 8

**Input current:** AC approx. 7 mA

**Line length:** max. 100 m

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.








## Movement/Presence Detectors Overview

## Movement/Presence Detectors Overview

	KNX ARGUS Presence Basic	KNX ARGUS Presence	KNX ARGUS Presence with light control and IR receiver	KNX Presence detector DI	KNX ARGUS Presence 180/2,20 m, flush-mounted	KNX ARGUS 180/2,20 m, flush-mounted	KNX ARGUS 180, flush-mounted	KNX ARGUS 220
Article number	MTN6307..	MTN6308..	MTN6309..	MTN6300-0019	MTN6304.., MTN6306..	MTN6317.., MTN6327..	MTN6316.., MTN6326..	MTN6325..
Design	—	—	—	—	System M MTN6302-60.. System D	System M	System M	—
Use cases (examples)	Offices, waiting rooms  Lighting, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings  Lighting, blinds, heating control	Large offices, waiting rooms, classrooms, private areas, public buildings  Lighting, blinds, heating control, constant light control	Offices, waiting rooms, corridors  Lighting control	Large offices, waiting rooms, classrooms, private areas, public buildings  Lighting, blinds, heating control	Corridors, private areas, public buildings  Lighting, blinds, heating control	Corridors, private areas, public areas with limited access  Lighting, blinds, heating control	Entrance areas, patios, garages, large-scale indoor areas where devices with a protection type higher IP20 are required (working rooms, wellness centres, ...)  Lighting
Installation site	Ceiling mounting, indoor	Ceiling mounting, indoor	Ceiling mounting, indoor	False ceiling mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Flush mounting, indoor	Surface mounting, outdoor, indoor
Protection type	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 20	IP 55
Recommended mounting height	2.5 m	2.5 m	2.5 m	2.5 m	2.2 m oder 1.1 m (halved range)	2.2 m oder 1.1 m (halved range)	1.10 m	2.5 m
Angle of detection	360°	360°	360°	360°	180°	180°	180°	220°, adjustable lense
Range (right, left / front)	7 m radius	7 m radius	7 m radius	4.5 m radius	8 m right/left, 12 m to the front	8 m right/left, 12 m to the front	8 m radius	14 m right/left, 16 m to the front
Number of levels	6	6	6	3	6	6	1	7
Number of zones	136	136	136	39	46	46	14	112
Number of switching segments	544	544	544	167	—	—	—	448
Number of movement sensors	4	4	4	2	2	2	1	1
Light sensor	10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	10-2000 Lux	3-2000 Lux
Staircase timer adjustable on the device	—	—	—	—	1 s - 8 min	1 s - 8 min	1 s - 8 min	1 s - 8 min
Staircase timer adjustable in the ETS	1 s - 255 h	1 s - 255 h	1 s - 255 h	3 s, 1 min - 255 min	1 s - 255 h	1 s - 255 h	1 s - 255 h	1 s - 255 h
<b>Software</b>								
Light regulation for a permanent desired brightness	—	—	■	—	—	—	—	—
Number of movement/presence blocks	2	5	5+1 (1 for light control)	2	5	5	5	5
Number of functions per block	4	4	4	1	4	4	4	4
Functions per block	■ ■ ■ ■ ■ ■ ■ ■ —	■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ — ■ — ■ ■ ■ —	■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■ ■ ■ ■
Brightness value correction	—	■	■	—	■	■	■	—
Cyclical sending of the determined brightness value	■	■	■	■	■	—	—	—
Cyclical sending of brightness value via 2 bytes object	■	■	■	■	■	■	■	■
Brightness threshold adjustable via object	—	■	■	■	■	—	—	—
Primary/Secondary function	—	■	■	■	■	■	■	■
Monitoring function (cyclical sending)	—	■	■	—	■	■	■	■
Dead time adjustable (noise reduction)	—	—	—	—	—	■	■	■
IR receiver up to 10 channels	—	—	■	—	—	—	—	—
■ IR functions with KNX telegrams	—	—	■	—	—	—	—	—
■ Configuration of brightness treshold, staircase timer and range	—	—	■	—	—	—	—	—

## Movement/Presence Detectors Overview

## Movement/Presence Detectors Overview

	KNX Movement detector 180		KNX Movement detector 180		KNX Movement detector 180
					
Article number	MGU3.533.18/25	MGU5.533.18/25	MGU3.533.30/12	MGU5.533.30/12	ALB45153, ALB46153
<b>Design</b>	Unica		Unica Top		Altira
<b>Use cases (examples)</b>	Corridors, private areas, public areas with limited access Lighting, blinds, heating control		Corridors, private areas, public areas with limited access Lighting, blinds, heating control		Corridors, private areas, public areas with limited access Lighting, blinds, heating control
<b>Installation site</b>	Flush mounting, indoor		Flush mounting, indoor		Flush mounting, indoor
<b>Protection type</b>	IP 20		IP 20		IP 20
<b>Recommended mounting height</b>	1.10 m		1.10 m		1.10 m
<b>Angle of detection</b>	180°		180°		180°
<b>Range (right, left / front)</b>	8 m Radius		8 m Radius		8 m radius
<b>Number of levels</b>	1		1		1
<b>Number of zones</b>	14		14		14
<b>Number of switching segments</b>	—		—		—
<b>Number of movement sensors</b>	1		1		1
<b>Light sensor</b>	10-2000 Lux		10-2000 Lux		10-2000 Lux
<b>Staircase timer adjustable on the device</b>	1 s - 8 min		1 s - 8 min		1 s - 8 min
<b>Staircase timer adjustable in the ETS</b>	1 s - 255 h		1 s - 255 h		1 s - 255 h
<b>Software</b>					
<b>Light regulation for a permanent desired brightness</b>	—		—		—
<b>Number of movement/presence blocks</b>	5		5		5
<b>Number of functions per block</b>	4		4		4
<b>Functions per block</b>	<ul style="list-style-type: none"> <li>■ Output telegrams 1 bit, 1 byte, 2 byte</li> <li>■ Staircase timer</li> <li>■ Self-adjusting staircase timer</li> <li>■ Sensitivity adjustable</li> <li>■ Range adjustable</li> <li>■ Brightness treshold</li> <li>■ Locking function</li> <li>■ Sensitivity and range of the movement sensors sector-specifically adjustable</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>—</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>■</li> <li>—</li> </ul>
<b>Brightness value correction</b>	■		■		■
<b>Cyclical sending of the determined brightness value</b>	—		—		—
<b>Cyclical sending of brightness value via 2 bytes object</b>	■		■		■
<b>Brightness threshold adjustable via object</b>	—		—		—
<b>Master/Slave function</b>	■		■		■
<b>Monitoring function (cyclical sending)</b>	■		■		■
<b>Dead time adjustable (noise reduction)</b>	■		■		■
<b>IR receiver up to 10 channels</b>					
<ul style="list-style-type: none"> <li>■ IR functions with KNX telegrams</li> <li>■ Configuration of brightness treshold, staircase timer and range</li> </ul>	—		—		—

## Movement detectors



### KNX ARGUS 220



Version	Art. no.
polar white	<b>MTN632519</b>
dark brazil	<b>MTN632515</b>
aluminium	<b>MTN632569</b>

KNX movement detector for outdoors. 220° surface monitoring for large house fronts and sections of the house. With integrated bus coupler. The physical address is programmed with a magnet.

- 360° short-range zone (approx. 4 m radius).
- Large wiring compartment and plug system.
- Looping is possible.
- LED function display for fast alignment at the installation site.
- Operating elements are protected under the easily accessible cover plate.
- Flexibly adjustable sensor head.
- Possible to blank out individual lens areas.

Can be installed on walls and ceilings without additional accessories. Can be mounted on inner/outer corners and stationary pipes using a mounting bracket.

**KNX software functions:** Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

**Angle of detection:** 220°

**Range:** max. 16 m

**Number of levels:** 7

**Number of zones:** 112 with 448 switching segments

**Light sensor:** infinitely variable from approx. 3 - 1000 lux, ∞ lux (infinite: movement detection is independent of the position of the sensor head)

**Time:** can be set externally from 1 s to approx. 8 min. in 6 levels or via ETS from approx. 3 s to approx. 152 hours

**Sensitivity:** infinitely adjustable

**Possible settings for sensor head:**

**Wall mounting:** 9° up, 24° down, 12° left/right, ±12° axial

**Ceiling mounting:** 4° up, 29° down, 25° left/right, ±8.5° axial

**EC directives:** Low-voltage guideline 2006/95/EC and EMC directive 2004/108/EC

**Type of protection:** IP 55

**Accessories:** Mounting bracket MTN565291, Programming magnet MTN639190

**Contents:** With cover plate and segments to limit the area of detection, screws and plugs.

### Programming magnet



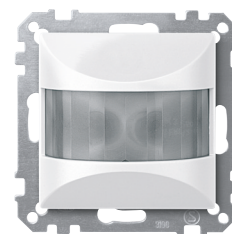
Version	Art. no.
	<b>MTN639190</b>

Non-contact programming of the physical address of the KNX ARGUS 220.

**In KNX, to be completed with:** KNX ARGUS 220 MTN6325..



## Movement detectors System M



### KNX ARGUS 180, flush-mounted



**Discontinued July 2022**

Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN631644</b>
<input type="checkbox"/> polar white, glossy	<b>MTN631619</b>
<input type="checkbox"/> active white, glossy	<b>MTN631625</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN632614</b>
<input type="checkbox"/> aluminium	<b>MTN632660</b>

For System M. Movement detector for indoors. When a movement is detected, a data telegram defined by the programming is transmitted.

With integrated bus coupling unit. **KNX software functions:** Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Self-adjusting staircase timer.

**Angle of detection:** 180°

**Range:** 8 m (for mounting height of 1.1 m)

**Number of levels:** 1

**Number of zones:** 14

**Sensitivity:** infinitely adjustable (ETS or potentiometer)

**Light sensor:** infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

**Time:** adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

**Contents:** With bus connecting terminal and supporting plate.

### KNX ARGUS 180/2.20 m flush-mounted



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN631744</b>
<input type="checkbox"/> polar white, glossy	<b>MTN631719</b>
<input type="checkbox"/> active white, glossy	<b>MTN631725</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN632714</b>
<input type="checkbox"/> aluminium	<b>MTN632760</b>

For System M. Indoor movement detector with anti-crawl protection. When a movement is detected, a data telegram defined by the programming is transmitted.

With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m.

**KNX software functions:** Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, safety pause, disable function. Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer.

**Angle of detection:** 180°

**Range:** 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

**Mounting height:** 2.2 m or 1.1 m with half the range

**Number of levels:** 6

**Number of zones:** 46

**Number of movement sensors:** 2, sector-orientated, adjustable

**Sensitivity:** infinitely adjustable (ETS or potentiometer)

**Light sensor:** infinitely adjustable from approx. 10 to 2000 Lux (ETS or potentiometer)

**Time:** adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

**Contents:** With bus connecting terminal and supporting plate.

With cover segments to limit the area of detection.



## Movement detectors System D



## KNX ARGUS Presence 180/2.20 m flush-mounted



Version	Art. no.
<input type="checkbox"/> lotus white	<b>MTN6302-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6302-6034</b>
<input type="checkbox"/> sahara	<b>MTN6302-6033</b>
<input type="checkbox"/> stainless steel	<b>MTN6302-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6302-6050</b>
<input type="checkbox"/> champagne metallic	<b>MTN6302-6051</b>
<input type="checkbox"/> mocca metallic	<b>MTN6302-6052</b>

## Thermoplastic

<input type="checkbox"/> lotus white	<b>MTN6302-6035</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6302-6034</b>
<input type="checkbox"/> sahara	<b>MTN6302-6033</b>
<input type="checkbox"/> stainless steel	<b>MTN6302-6036</b>
<input type="checkbox"/> nickel metallic	<b>MTN6302-6050</b>
<input type="checkbox"/> champagne metallic	<b>MTN6302-6051</b>
<input type="checkbox"/> mocca metallic	<b>MTN6302-6052</b>

For System D.

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.

**KNX software functions:** Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

**Angle of detection:** 180°

**Range:** 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

**Mounting height:** 2.2 m or 1.1 m at half the range

**Time:** adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

**Number of levels:** 6

**Number of zones:** 46

**Number of movement sensors:** 2, separately adjustable

**Light sensor:** internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

**Accessories:** Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Contents:** With bus connecting terminal and supporting plate.

With cover segments to limit the area of detection.

## Movement detectors Altira



## KNX Movement detector 180



Version	Art. no.
<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

<input type="checkbox"/> white	<b>ALB45153</b>
<input checked="" type="checkbox"/> aluminium	<b>ALB46153</b>

## Movement detectors Unica



## KNX Movement detector 180



Version	Art. no.
<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

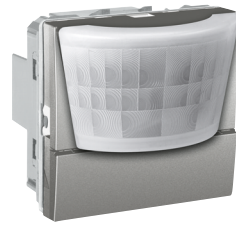
<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

<input type="checkbox"/> white	<b>MGU3.533.18</b>
<input checked="" type="checkbox"/> ivory	<b>MGU3.533.25</b>

## Movement detectors Unica Top



## KNX Movement detector 180



Version	Art. no.
■ aluminium	<b>MGU3.533.30</b>
■ graphite	<b>MGU3.533.12</b>

2 modules

In Unica Top design.

Movement detector for indoors.

When a movement is detected, a data telegram defined by the programming is transmitted.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:** Five movement blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation and surveillance operation, master, slave, safety pause, disable function.

Sensitivity, brightness and staircase timer can be set using the ETS or the potentiometer. Two

movement sensors: the sensitivity and range can be set separately for each sensor. Self-

adjusting staircase timer.

**Angle of detection:** 180°

**Number of movement sensors:** 2, sector-orientated, adjustable (ETS)

**Recommended mounting height:** 1 m to 2.5 m

**Range:** at 2.15 m mounting height: Approx. 9 m on all sides, adjustable in 10 steps (rotary switch or ETS)

**Detection brightness:** Infinite setting from approx. 10 lux to approx. 1000 lux (rotary switch) or from 10 lux to 2000 lux (ETS)

**Overshoot time:** Adjustable in 6 steps from approx. 1 s to approx. 8 min (rotary switch) or adjustable from 1 s to 255 hours (ETS)

**EC guidelines:** Low-voltage guideline 2006/95/EEC and EMC guideline 2004/108/EC

**Contents:** With bus connecting terminal.

## KNX presence detector



## SpaceLogic KNX Presence detector DI



Version	Art. no.
white	<b>MTN6300-0019</b>

**For the Gulf market.**

KNX presence detector for installation in false ceilings. The device detects the presence of persons even with small movements and is used to control 2 channels.

With 2 input channels for connecting push-buttons with which the lighting can be switched on/off or dimmed. The presence detector can be used as a single detector or in primary/secondary mode.

The detector is mounted with a retaining spring in a round aperture (diameter 68 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 67 mm.

**Functions of the KNX software:**

Primary/secondary mode: in secondary mode, the detector is used only for motion detection. In primary mode the detector can be set in Auto mode, Semi-auto mode or Test mode.

Auto mode (presence): during the delay time, if the ambient brightness is higher than the set lux value for 5 minutes, the load will be switched off regardless of motion detection.

Semi-auto mode: An initial press on a push-button is required to switch on the load.

Test mode: fix delay time of 3 seconds for each movement detection.

**Supply voltage:** KNX bus voltage

**Bus current:** approx. 10 mA

**Number of channels:** 2

**Binary inputs:** 2, cable length max. 100 m, cross section 1.0-2.5 mm<sup>2</sup>

**Mounting height:** 2 m ... 3 m (optimal 2.5 m)

**Detection range:** 360°, Ø 9 m at 2.5 m mounting height

**Function modes:** Auto (presence), semi auto (absence), test

**Sensitivity:** adjustable

**Detection brightness:** 10 ... 2000 Lux

**Time setting:** 3 s, 1 min - 255 min

**Protection type:** IP20

**Dimensions:** 99.2 x 74.1 mm (Ø x H)

## Presence Detectors



## KNX High Bay presence detector FM



Version	Art. no.
white	<b>MTN6304-0019</b>

KNX presence detector for flush-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

**KNX software functions:** Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

**Angle of detection:** 360°

**Opening angle:** 180°

**Range:** Radius of max. 18 m (tangential)

**Mounting height:** 4 - 14 m

**Optimal mounting height:** 12 m

**Time setting:** 60 s - 255 min.

**Sensors:** 2 x passive infrared

**Number of zones:** 1416

**Detection brightness:** internal light sensor adjustable from approx. 2 to 1000 Lux

**IP protection rating:** IP 20

**EC guidelines:** Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

**Dimensions:** 124 x 78 mm (Ø x H)

**Accessories:** Remote control for KNX presence detector MTN6300-0002

Protective basket for KNX presence detector MTN6300-0001

## Presence Detectors



## KNX Corridor presence detector FM



Version	Art. no.
white	<b>MTN6305-0019</b>

KNX presence detector for flush-mounted installation in long corridors.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 20) on flush-mounted housing with two screws.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

**KNX software functions:** Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

**Angle of detection:** 360°

**Opening angle:** 45°

**Range:** max. 20 x 4 m (tangential)  
max. 12 x 4 m (radial)

**Mounting height:** 2.5 - 5 m

**Optimal mounting height:** 2.8 m

**Time setting:** 60 s - 255 min.

**Sensors:** 2 x passive infrared

**Number of zones:** 280

**Detection brightness:** internal light sensor adjustable from approx. 2 to 1000 Lux

**Protection rating:** IP 20

**EC Directives:** Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

**Dimensions:** 124 x 78 mm (Ø x H)

**Accessories:** Remote control for KNX presence detector MTN6300-0002

Protective basket for KNX presence detector MTN6300-0001

## Presence Detectors



## KNX High Bay presence detector



Version	Art. no.
white	<b>MTN6354-0019</b>

KNX presence detector for surface-mounted installation in rooms with high ceilings, e.g. high-bay warehouses or sports halls.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

**KNX software functions:** Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

**Angle of detection:** 360°

**Opening angle:** 180°

**Range:** Radius of max. 18 m (tangential)

**Mounting height:** 4 - 14 m

**Optimal mounting height:** 12 m

**Time setting:** 60 s - 255 min.

**Sensors:** 2 x passive infrared

**Number of zones:** 1416

**Detection brightness:** internal light sensor adjustable from approx. 2 to 1000 Lux

**Protection rating:** IP 54

**EC Directives:** Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

**Dimensions:** 124 x 65 mm (Ø x H)

**Accessories:** Remote control for KNX presence detector MTN6300-0002  
Protective basket for KNX presence detector MTN6300-0001

## Presence Detectors



## KNX Corridor presence detector



Version	Art. no.
white	<b>MTN6355-0019</b>

KNX presence detector for surface-mounted installation in long corridors.

The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (2 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation).

Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has two detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode.

The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS.

The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory).

Indoor installation on ceiling (IP 54) with surface-mounted housing with two screws and plugs.

Optionally, a protective metal basket (available as an accessory) can be installed to protect the lens.

**KNX software functions:** Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

**Angle of detection:** 360°

**Opening angle:** 45°

**Range:** max. 20 x 4 m (tangential)  
max. 12 x 4 m (radial)

**Mounting height:** 2.5 - 5 m

**Optimal mounting height:** 2.8 m

**Time setting:** 60 s - 255 min.

**Sensors:** 2 x passive infrared

**Number of zones:** 280

**Detection brightness:** internal light sensor adjustable from approx. 2 to 1000 Lux

**Protection rating:** IP 54

**EC Directives:** Low voltage directive 2006/95/EC and EMC directive 2004/108/EC

**Dimensions:** 124 x 65 mm (Ø x H)

**Accessories:** Remote control for KNX presence detector MTN6300-0002  
Protective basket for KNX presence detector MTN6300-0001



## Presence Detectors



## KNX Mini presence detector



Version	Art. no.
white	<b>MTN6303-0019</b>

KNX presence detector for inconspicuous installation in suspended ceilings. The presence detector detects the presence of persons even in the case of small movements. Control of the lighting is carried out dependent on movement (4 channels) or additionally dependent on brightness (1 channel) via KNX telegrams. If there is sufficient daylight, the lighting is switched off or adapted to a detection brightness (constant light regulation). Devices for heating, ventilation or air conditioning (HVAC) can also be controlled (1 channel). The presence detector has four detection sensors (passive infrared), a brightness sensor, an IR receiver and an LED to indicate a detected movement, in test mode indication of the activated programming mode. The presence detector can be used as a single detector or in master-slave mode. The setting is carried out in the ETS. The presence detector can also be set and tested without the ETS, but with the appropriate remote control (available as an accessory). Indoor installation in suspended ceilings The detector is installed with a retainer spring in a circular aperture (diameter 35 mm) in a suspended ceiling (e.g. plasterboard). The minimum installation depth is 65 mm.

**KNX software functions:** Movement detection: The detected presence of a person is signalled using a KNX telegram. Lighting control: The room lighting is controlled depending on movement and brightness. If there is sufficient daylight, the lighting is switched off or dimmed to a constant level. Basic lighting: Activates basic lighting after the overtravel time has elapsed, either for a limited time or dependent on the brightness. HVAC control: Devices for heating, ventilation, air conditioning (HVAC) are switched from energy-saving mode to comfort mode dependent on movement. Operating modes: Single detector, Master, Slave, Master in parallel operation. Master: Controls the lighting and HVAC system. Additional detectors as slaves increase the area of detection. Slave: Only detects movement in its area and sends the information to the master. Master in parallel operation: Controls the lighting in its area (can be expanded with additional detectors as slaves). The only master in the installation only controls the HVAC system for the entire area. 2 logic gates

**Angle of detection:** 360°  
**Range:** max. 6 x 6 m (tangential)  
max. 4 x 4 m (radial)  
**Mounting height:** 2 - 5 m  
**Optimal mounting height:** 2.8 m  
**Time setting:** 60 s - 255 min.  
**Sensors:** 4 x passive infrared  
**Detection brightness:** internal light sensor adjustable from approx. 2 to 1000 Lux  
**IP protection rating:** IP 20  
**EC guidelines:** Low voltage directive 2006/95/EC and EMC directive 2004/108/EC  
**Dimensions:** 43 x 71 mm (Ø x H)  
**Accessories:** Remote control for KNX presence detector MTN6300-0002

## Presence Detectors



## Remote control for KNX presence detector



Version	Art. no.
	<b>MTN6300-0002</b>

IR remote control for operating and setting KNX presence detectors. The IR remote control can be used to carry out the following functions and settings:

- Activation of KNX programming mode
- Selecting test modes
- Starting and ending test mode
- Calibrating brightness measurement
- Setting the brightness value
- Setting the lighting overtravel time
- Setting switch-on delay for HVAC
- Setting the basic lighting duration

**To be completed with:** KNX High Bay presence detector FM  
KNX Präsenz Halle AP MTN6354-0019  
KNX Corridor presence detector FM MTN6305-0019  
KNX Präsenz Korridor AP MTN6355-0019  
KNX Mini presence detector  
MTN6303-0019

## Protective basket for KNX presence detector



Version	Art. no.
	<b>MTN6300-0001</b>

Protective grille for movement and presence detectors. Surface-mounted installation with screws

**To be completed with:** KNX High Bay presence detector FM  
KNX Präsenz Halle AP MTN6354-0019  
KNX Corridor presence detector FM MTN6305-0019  
KNX Präsenz Korridor AP MTN6355-0019

## Presence Detectors

**KNX ARGUS Presence Basic**

Version	Art. no.
polar white	<b>MTN630719</b>
aluminium	<b>MTN630760</b>

Presence detection indoors.  
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.  
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.  
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.  
**KNX software functions:** Two movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.  
Normal operation (no master/slave), safety pause, disable function. Self-adjusting staircase timer. Actual brightness value: can be specified via the internal and/or an external light sensor.  
**Angle of detection:** 360°  
**Range:** a radius of max. 7 m (at a mounting height of 2.50 m)  
**Number of levels:** 6  
**Number of zones:** 136 with 544 switching segments  
**Number of movement sensors:** 4  
**Light sensor:** internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX  
**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC  
**Accessories:** Surface-mounted housing for ARGUS Presence MTN550619  
**Contents:** With bus connecting terminal and supporting plate.

**KNX ARGUS Presence**

Version	Art. no.
aluminium	<b>MTN630860</b>
polar white	<b>MTN630819</b>

Presence detection indoors.  
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.  
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.  
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.  
**KNX software functions:** Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.  
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.  
**Angle of detection:** 360°  
**Range:** a radius of max. 7 m (at a mounting height of 2.50 m)  
**Number of levels:** 6  
**Number of zones:** 136 with 544 switching segments  
**Number of movement sensors:** 4, separately adjustable  
**Light sensor:** internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX  
**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC  
**Accessories:** Surface-mounted housing for ARGUS Presence MTN550619  
**Contents:** With bus connecting terminal and supporting plate.

## Presence Detectors

**KNX ARGUS Presence with light control and IR receiver**

Version	Art. no.
polar white	<b>MTN630919</b>
aluminium	<b>MTN630960</b>

Presence detection indoors.  
If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.  
When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.  
Light control enables the required brightness in a room to be achieved permanently. Dimming and the optional use of a second lighting group maintains a constant brightness.  
Individual ARGUS Presence configurations can be changed or other KNX devices can be controlled remotely using the IR receiver.  
With integrated bus coupling unit. For ceiling mounting in a size 60 mounting box, optimal installation at 2.5 m. Can also be mounted to ceilings using the surface mounting housing for ARGUS Presence.  
**KNX software functions:** Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.  
An additional light control block: brightness can be maintained constant by dimming and an additional adjustable level.  
IR receiver function. IR configuration: setting the brightness threshold, staircase timer factors or range.  
Normal operation, master, slave, monitoring, safety pause, disable function. Four movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.  
**Angle of detection:** 360°  
**Range:** a radius of max. 7 m (at a mounting height of 2.50 m)  
**Number of levels:** 6  
**Number of zones:** 136 with 544 switching segments  
**Number of movement sensors:** 4, separately adjustable  
**Light sensor:** internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX  
**Number of IR channels:** 10 for controlling KNX devices, 10 for configuration  
**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC  
**Accessories:** Surface-mounted housing for ARGUS Presence MTN550619  
**Transmitter:** IR universal remote control MTN5761-0000  
**Contents:** With bus connecting terminal and supporting plate.

**Surface-mounted housing for ARGUS Presence**

Version	Art. no.
polar white	<b>MTN550619</b>

The surface-mounted housing for ARGUS Presence devices also allows them to be surface mounted.  
■ for surface-mounting of the LON Multi-Sensor LA-21 (art. no. 42320-104) and ILA-22 (art. no. 42320-105)  
■ colour: polar white (similar to RAL 9010)  
**To be completed with:** ARGUS Presence MTN550590, ARGUS Presence with IR receiver and for extension unit operation MTN550591, KNX ARGUS Presence Basic MTN6307..., KNX ARGUS Presence MTN6308..., KNX ARGUS Presence with light control and IR receiver MTN6309..


**KNX ARGUS Presence 180/2.20 m flush-mounted**


Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN630444</b>
<input type="checkbox"/> polar white, glossy	<b>MTN630419</b>
<input type="checkbox"/> active white, glossy	<b>MTN630425</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN630614</b>
<input type="checkbox"/> aluminium	<b>MTN630660</b>

For System M.

Presence detection indoors.

If KNX ARGUS Presence detects smaller movements in the room, data telegrams are transmitted via KNX to control the lighting, blind or heating at the same time.

When the lighting is controlled by brightness-dependent movement detection, the device constantly monitors the brightness in the room. If sufficient natural light is at hand, the device switches the artificial light off even if a person is present. The overshoot time can be adjusted using the ETS.

With integrated bus coupling unit. For wall mounting in a size 60 mounting box, optimal installation at 2.2 m. With anti-crawl protection.

**KNX software functions:** Five movement/presence blocks: up to four functions can be triggered per block. Telegrams: 1 bit, 1 byte, 2 bytes.

Normal operation, master, slave, monitoring, safety pause, disable function. Two movement sensors: the sensitivity and range can be set separately for each sensor. Self-adjusting staircase timer. Actual brightness value: can be detected via the internal and/or an external light sensor. Actual value correction.

**Angle of detection:** 180°

**Range:** 8 m right/left, 12 m to the front (for a mounting height of 2.20 m)

**Mounting height:** 2.2 m or 1.1 m at half the range

**Time:** adjustable in steps from 1 s to 8 min (potentiometer) or adjustable from 1 s to 255 hours (ETS)

**Number of levels:** 6

**Number of zones:** 46

**Number of movement sensors:** 2, separately adjustable

**Light sensor:** internal light sensor infinitely adjustable from approx. 10 to 2000 Lux (ETS); external light sensor via KNX

**EC Directives:** Low-voltage guideline 2006/95/EC and EMC guideline 2004/108/EC

**Contents:** With bus connecting terminal and supporting plate.

With cover segments to limit the area of detection.

**Other sensors**

**KNX brightness and temperature sensor**


Version	Art. no.
light grey	<b>MTN663991</b>

The sensor records brightness and temperature and transmits these values to the bus. It has a temperature sensor and a brightness sensor.

- 3 universal channels for single tasks or logic operations. Temperature and brightness threshold in any combination.
- Sun protection channel for blinds/roller shutter control. Objects for: twilight threshold, brightness threshold, drive control, automatic sun function, teaching, security.
- Automatic sun protection. Controls the blinds automatically during the day.
- Teaching object. With this, every brightness threshold can be reset by the touch of a key. Suitable for mounting on an outside wall.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**Power consumption:** max. 150 mW

**Sensors:** 2

**Temperature measurement range:** - 25 °C to + 55 °C (±5 % or ±1 degree)

**Brightness measurement range:** 1 to 100,000 lux (±20% or ±5 lux)

**Type of protection:** IP 54 according to DIN EN 60529 for vertical installation with cover

**Dimensions:** 110 x 72 x 54 mm

**Air Quality Multisensor**


Version	Art. no.
polar white	<b>MTN6005-0011</b>

The multisensor monitors the air quality in rooms e.g. in schools or offices. The measured data is sent for processing via the KNX bus. The sensor provides the following data and controls for KNX: CO<sub>2</sub>, relative humidity, temperature, dew point, air pressure, VAV control, temperature controller.

In addition, the sensor has 5 inputs: 2 binary inputs, 1 input can be configured as a binary or analog input, 2 inputs can be configured as binary or as temperature sensor input (PT1000, 10 kΩ PTC, 2-/10-/12-/15-/33-/47 kΩ NTC).

The device is intended for mounting on a flush-mounted box or on the wall.

**Power supply:** bus voltage

**Current consumption from bus:** max. 10 mA

**Ambient temperature:** 0 °C ... +50 °C

**Measuring range, CO<sub>2</sub>:** 390 ... 5000 ppm

**Measuring range, temperature:** 0 °C ... +50 °C

**Measuring range, humidity:** 0 % ... 100 %

**Measuring range, atmospheric pressure:** 300 hPa ... 1100 hPa

**Type of protection:** IP 20

**Dimensions:** 80.5 x 80.5 x 17 mm





#### KNX CO<sub>2</sub>, humidity and temperature sensor AP



Version	Art. no.
polar white	<b>MTN6005-0001</b>

The device is a combined sensor for CO<sub>2</sub>, temperature and humidity measurement (relative humidity).

It is used to monitor the air quality in meeting rooms, offices, schools/kindergartens, passive or low-energy houses and living areas without controlled ventilation.

The CO<sub>2</sub> content of the air is a verifiable indicator of the ambient air quality. The higher the CO<sub>2</sub> content, the worse the ambient air is.

**KNX software functions:** Threshold adjustment range: 500–2550 ppm. Object "Physical value": 0-9999 ppm. There are 3 independent measured value thresholds for CO<sub>2</sub> and relative humidity and a threshold for the temperature value. An action is carried out if the thresholds are not reached or if they are exceeded: Send priority. Switching, value. Each threshold has a locking object.

**Power supply:** bus voltage

**Current consumption from bus:** max. 10 mA

**Ambient temperature:** -5 °C ... +45 °C

**Measuring range, CO<sub>2</sub>:** 300 – 9999 ppm

**Measuring range, temperature:** 0 °C ... +40 °C

**Measuring range, humidity:** linear 20 % ... 100 %

**Type of protection:** IP 20 in accordance with DIN EN 60529

**Dimensions:** 74x74x31 mm



#### KNX weather station Basic V2



Version	Art. no.
	<b>MTN6904-0001</b>

The KNX weather station Basic V2 records weather data, analyses these and can transmit them to the bus. The device has a wind sensor, precipitation sensor, temperature sensor and 3 brightness sensors.

- Self contained outdoor weather station
- For measuring wind, rain, brightness and temperature
- For fully automatic blinds and sun protection control with automatic adjustment of blinds according to position of the sun
- Rain sensor with integrated heating
- The weather station can also be operated without mains supply. The heating of the rain sensor will not function then
- Measurement and evaluation directly on device
- Sun protection for up to three facades via 3 integrated brightness sensors
- 8 sun protection channels
- 4 additional threshold channels for connection of external KNX sensors
- 6 logic channels
- Display of weather data on visualisation

Suitable for mounting on an outside wall or with optional accessories on a corner or on a mast. With integrated bus coupler. The bus is connected using a bus connecting terminal. An additional AC 230 V power supply is required for the heating unit.

#### KNX software functions:

- Adjustment of slat position according to current position of the sun.
- Sun protection area both horizontal (azimuth) and vertical (elevation) can be set exactly.
- 3 installed brightness sensors at 90° spacing.
- 2 objects for external brightness sensors.
- Shading can be temporarily interrupted via object.
- Universal channels with AND/OR linking of weather parameters.
- Threshold channels with delay with falling below and exceeding.
- Logic channels with 4 input objects + internal link that can be configured with status of the universal and threshold channels.

**Power supply:** AC 110-230 V, 50-60 Hz

**Power consumption:** max. 10 mA with bus voltage

**Stand-by consumption:** < 0.5 W

**Measuring range:**

**Brightness:** 1 - 100000 lx

**Temperature:** - 30 °C ... + 60 °C

**Wind speed:** 2 - 30 m/s

**Ambient temperature:** - 20 °C ... + 55 °C

**Protection class:** II

**Type of protection:** IP 44

**Dimensions:** 227x121x108 mm (LxWxH)

**Accessories:** Mast and corner fastening for KNX weather station Basic V2 MTN6904-0002

#### Mast and corner fastening for KNX weather station Basic V2



Version	Art. no.
	<b>MTN6904-0002</b>

- For corner installation of max. 2 KNX weather stations Basic V2.
- For mast installation of 1 KNX weather station Basic V2.
- Diameter 48–60 mm.

**To be completed with:** KNX weather station Basic V2 MTN6904-0001





## SpaceLogic KNX Weather station REG-K/4-gang



Version	Art. no.
light grey	<b>MTN682991</b>

The weather station records and processes analogue sensor signals such as wind speed, brightness, twilight, precipitation and a DCF-77 signal. Up to four analogue sensors and the DCF-77 weather combi-sensor can be connected in any combination. In connection with the 4-gang analogue input module, 8 analogue inputs are available, to which the connection is made using the sub-bus. If DCF-77 weather combi-sensors are used, it is possible to access a pre-configured setting in the software.

The measured values are converted by the weather station into 1 byte / 2 byte telegrams (EIS 6/5 value). This enables bus devices (visualisation software, measured value displays) to access the control processes, generate signals or control weather-dependent processes. Programming is performed using the ETS tool for the weather station.

- Two limit values per sensor (not for rain)
- Connection of multiple wind sensors
- 14 signals can be evaluated
- Evaluation of DCF-77 time signal (date and time)
- Astro function
- Logic operation controller for application of limit-value-dependent actions (even external)
- Shading of individual façade segments
- Signal monitoring of the combi-sensors with object for the following protective measures
- Checking the wind signal for conclusiveness with object for the following protective measures
- Selective façade shading (for 4 façades) with adjustment of the basic brightness, façade alignment, angle of opening relative to the sun.
- External objects for intervention in basic brightness, angle of opening and limit values
- Alarm byte
- Continuity monitoring with report on the bus

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Auxiliary voltage:** AC 24 V (+/-10 %)

**Analogue inputs:** 4

**Current interface:** 0 ... 20 mA, 4 ... 20 mA

**Voltage interface:** 0 ... 1 V, 0 ... 10 V

**Outputs:** DC 24 V, 100 mA

**Device width:** 4 modules = approx. 72 mm

**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Accessories:** Wind sensor with 0-10 V interface MTN663591, Wind sensor with 0-10 V interface and heating MTN663592, Rain sensor MTN663595, Brightness sensor MTN663593, Twilight sensor MTN663594, Temperature sensor MTN663596, Weather combi-sensor MTN6604-0001

**Contents:** With bus connecting terminal and cable cover.



## Weather combi-sensor



Version	Art. no.
black	<b>MTN6604-0001</b>

The weather combi-sensor includes a wind sensor, precipitation sensor, twilight sensor and three brightness sensors (East, South, West). With integrated heater (protection against thawing and condensation). Suitable for external installation on a wall or a pole. The sensor is connected to an REG-K 4-gang weather station.

The weather data is evaluated in the weather station. The necessary power supplies are provided by the weather station with connected power supply REG.

**Power supply:** AC 24 V (+/- 15 %)

**Power consumption:** min. 600 mA (with heating)

**Sensors:** 6

**Wind speed:** 1 ... 40 m/s ( $\leq 0.5$  m/s)

**Brightness:** 0 ... 110 klux (+/- 10 %)

**Twilight:** 0 ... 250 lux

**Type of protection:** IP 65 when installed

**Temperature range:** - 40 °C ... + 60 °C (non-icing)

**Fixing method:** Mounting bracket

**Dimensions:** 130x200 mm (ØxH)

**In KNX, to be completed with:** SpaceLogic KNX Weather station REG-K/4-gang

MTN682991

## Weather combi-sensor DCF-77



Version	Art. no.
black	<b>MTN663692</b> <span style="color: red;">Discontinued</span>

The weather combi-sensor includes a wind sensor, precipitation sensor, twilight sensor and three brightness sensors (East, South, West). With integral DCF77 receiver, antenna rotatable through 45° and integrated heater (protection against thawing and condensation). Suitable for external installation on a wall or a pole. The sensor is connected to an REG-K 4-gang weather station.

The weather data is evaluated in the weather station. The necessary power supplies are provided by the weather station with connected power supply REG.

**Power supply:** AC 24 V (+/- 15 %)

**Power consumption:** max. 600 mA (with heating)

**Sensors:** 6

**Wind speed:** 1 ... 40 m/s ( $\leq 0.5$  m/s)

**Brightness:** 0 ... 110 klux (+/- 10 %)

**Twilight:** 0 ... 250 lux

**Type of protection:** IP 65 when installed

**Temperature range:** - 40 °C ... + 60 °C (non-icing)

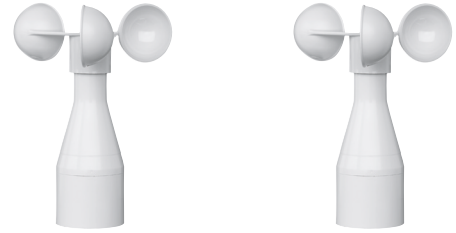
**Fixing method:** Mounting bracket



**Dimensions:** 130x200 mm (ØxH)

**In KNX, to be completed with:** SpaceLogic KNX Weather station REG-K/4-gang

MTN682991



## Special Sensors



Wind sensor with 0-10 V interface		Wind sensor with 0-10 V interface and heating	
			
Version	Art. no.	Version	Art. no.
polar white	<b>MTN663591</b>	polar white	<b>MTN663592</b>
<p>The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage.</p> <p>For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.</p> <p><b>Measuring range:</b> 0.7 ... 40 m/s, linear</p> <p><b>Output:</b> 0 ... 10 V</p> <p><b>External power supply:</b></p> <p><b>Voltage:</b> 24 V DC (18-32 V DC)</p> <p><b>Power consumption:</b> approx. 12 mA</p> <p><b>General specifications:</b></p> <p><b>Type of protection:</b> IP 65</p> <p><b>Load:</b> max. 60 m/s transient</p> <p><b>Incoming cable:</b> 3 m, LiYY 6 x 0.25 mm<sup>2</sup></p> <p><b>Fixing method:</b> Mounting bracket</p> <p><b>Mounting position:</b> vertical</p> <p><b>In KNX, to be completed with:</b></p> <p>SpaceLogic KNX Weather station REG-K/4-gang MTN682991, SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.</p> <p><b>Contents:</b> With mounting bracket.</p>		<p>The wind sensor evaluates the wind speed and converts it into an analogue 0-10 V output voltage. The integrated heater can be operated via an external power supply of AC 24 V/500 mA for trouble-free operation in frosty weather.</p> <p>For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.</p> <p><b>Measuring range:</b> 0.7 ... 40 m/s, linear</p> <p><b>Output:</b> 0 ... 10 V</p> <p><b>External power supply:</b></p> <p><b>Voltage:</b> 24 V DC (18-32 V DC)</p> <p><b>Power consumption:</b> approx. 12 mA</p> <p><b>Heating:</b> 24 V DC/AC PTC element (80° C)</p> <p><b>General specifications:</b></p> <p><b>Type of protection:</b> IP 65</p> <p><b>Load:</b> max. 60 m/s transient</p> <p><b>Incoming cable:</b> 3 m, LiYY 6 x 0.25 mm<sup>2</sup></p> <p><b>Fixing method:</b> Mounting bracket</p> <p><b>Mounting position:</b> vertical</p> <p><b>In KNX, to be completed with:</b></p> <p>SpaceLogic KNX Weather station REG-K/4-gang MTN682991, SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.</p> <p><b>Accessories:</b> SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529</p> <p><b>Contents:</b> With mounting bracket.</p>	

## Special Sensors



Rain sensor		Temperature sensor	
			
Version	Art. no.	Version	Art. no.
	<b>MTN663595</b>	light grey	<b>MTN663596</b>
<p>The rain sensor is used to record and evaluate precipitation and is intended for external mounting. A sensor evaluates the conductivity of the rainwater. The heating is controlled by a microprocessor which supplies an output signal of 0 V or 10 V. The end of the rainfall can be recorded almost immediately with the help of an in-built heater. The heater requires an additional voltage of 24 V AC or DC.</p> <p>For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.</p> <p><b>Output:</b> 0 V dry, 10 V rain</p> <p><b>External power supply:</b></p> <p><b>Voltage:</b> 24 V DC (15-30 V DC)</p> <p><b>Power consumption:</b> approx. 10 mA (without heating)</p> <p><b>Heating:</b> 24 V DC/AC max. 4.5 W</p> <p><b>General specifications:</b></p> <p><b>Type of protection:</b> IP 65</p> <p><b>Incoming cable:</b> 3 m, UYY 5 x 0.25 mm<sup>2</sup></p> <p><b>Fixing method:</b> Mounting bracket</p> <p><b>Mounting position:</b> approx. 45°</p> <p><b>In KNX, to be completed with:</b></p> <p>SpaceLogic KNX Weather station REG-K/4-gang MTN682991, SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.</p> <p><b>Accessories:</b> SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529</p> <p><b>Contents:</b> With holder for installing the sensor on walls and masts.</p>		<p>The temperature is measured with the temperature sensor and converted into an analogue output signal of 0-10 V.</p> <p>For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.</p> <p><b>Measuring range:</b> -30° C to +70° C linear</p> <p><b>Output:</b> 0 ... 10 V short-circuit-proof</p> <p><b>External power supply:</b></p> <p><b>Voltage:</b> 24 V DC (15-30 V DC)</p> <p><b>Power consumption:</b> approx. 3 mA</p> <p><b>General specifications:</b></p> <p><b>Incoming cable:</b> using PG7 screw fitting</p> <p><b>Recommended cable:</b> 3 x 0.25 mm<sup>2</sup></p> <p><b>Type of protection:</b> IP 65</p> <p><b>Dimensions:</b> 58 x 35 x 64 (W x H x D)</p> <p><b>In KNX, to be completed with:</b></p> <p>SpaceLogic KNX Weather station REG-K/4-gang MTN682991, SpaceLogic KNX Analogue input REG-K 4-gang MTN682191.</p>	



**Brightness sensor**

Version	Art. no.
light grey	<b>MTN663593</b>

The brightness sensor is required for recording and evaluating brightness. Brightness is recorded via a photoelectric diode and electronically converted into an analogue output signal of 0 V - 10 V.

For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.

**Measuring range:** 0 to 60,000 lux, linear

**Output:** 0 ... 10 V short-circuit-proof

**External power supply:**

**Voltage:** 24 V DC (15-30 V DC)

**Power consumption:** approx. 5 mA

**General specifications:**

**Incoming cable:** using PG7 screw fitting

**Recommended cable:** 3 x 0.25 mm<sup>2</sup>

**Type of protection:** IP 65

**Dimensions:** 58 x 35 x 64 (W x H x D)

**In KNX, to be completed with:**

SpaceLogic KNX Weather station REG-K/4-gang MTN682991,

SpaceLogic KNX Analogue input REG-K

4-gang MTN682191.

**Twilight sensor**

Version	Art. no.
light grey	<b>MTN663594</b>

The twilight sensor is required to record and evaluate brightness. Brightness is recorded via a photoelectric diode and electronically converted into an analogue output signal of 0 V - 10 V.

For external installation and connection to the weather station REG-K/4-gang or the analogue input REG-K/4-gang. These two devices provide the supply voltage necessary to operate the sensor.

**Measuring range:** 0 to 255 lux, linear

**Output:** 0 ... 10 V short-circuit-proof

**External power supply:**

**Voltage:** 24 V DC (15-30 V DC)

**Power consumption:** approx. 5 mA

**General specifications:**

**Incoming cable:** using PG7 screw fitting

**Recommended cable:** 3 x 0.25 mm<sup>2</sup>

**Type of protection:** IP 65

**Dimensions:** 58 x 35 x 64 (W x H x D)

**In KNX, to be completed with:**

SpaceLogic KNX Weather station REG-K/4-gang MTN682991,

SpaceLogic KNX Analogue input REG-K

4-gang MTN682191.

**SpaceLogic KNX Analogue input REG-K 4-gang**

Version	Art. no.
light grey	<b>MTN682191</b>

The analogue input records and processes analogue sensor signals. Up to four analogue sensors can be connected in any combination. In connection with the analogue input module REG/4-gang, 8 analogue inputs are available, to which the connection is made using the sub-bus.

Evaluation and limit value processing is performed in the analogue input. With continuity checking of the 4 ... 20 mA inputs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Auxiliary voltage:** AC 24 V (+/-10 %)

**Analogue inputs:** 4

**Current interface:** 0 ... 20 mA, 4 ... 20 mA

**Voltage interface:** 0 ... 1 V, 0 ... 10 V

**Outputs:** DC 24 V, 100 mA

**Continuity checking:** 4 ... 20 mA

**Device width:** 4 modules = approx. 72 mm

**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Accessories:** Wind sensor with 0-10 V interface MTN663591, Wind sensor with 0-10 V interface and heating MTN663592, Rain sensor MTN663595, Brightness sensor MTN663593, Twilight sensor MTN663594, Temperature sensor MTN663596

**Contents:** With bus connecting terminal and cable cover.

**Time switch****SpaceLogic KNX Year Time Switch REG-K/8/800**

Version	Art. no.
	<b>MTN6606-0008</b>

8-channel KNX time switch with year and astro program. Time switch with connection option for the GNSS antenna. To enable radio-controlled time synchronisation via GPS, the device needs to be fitted with the antenna. Time and date can be issued on the bus.

The device can be programmed manually on the device itself or on the PC using software. After programming on the PC, all switching times are exported to a memory chip available as an accessory, and transmitted from this into one or more time switches.

- Comprehensive annual clock functions
- 8 channels
- 800 memory switching time locations
- 8 years power reserve (lithium battery)
- Text-oriented user interface in the display
- Display lighting (can be switched off)
- Astronomic switch function (automatic calculation of sunrise and sunset times for the whole year)
- Time synchronisation by connecting an external GNSS antenna; additional positioning for astro program
- Time and date synchronisation for other bus devices
- Automatic changeover between summer and winter time
- Switch-off timer
- Holiday program
- 2 random programs
- Integrated operating hours counter
- ON/OFF switching times
- Impulse program
- Cycle program
- Switch preselection
- ON/OFF permanent switching
- PIN coding
- Interface for memory card (PC programming)
- Screwless terminals for 2 lines each

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Operating voltage:** Bus: DC 24 V

Mains: AC 110-240 V

**Shortest switching time:** 1 s

**Accuracy:**  $\leq \pm 0.5\text{s/day}$

**Power reserve:** 8 years

**Type of protection:** IP 20

**Device width:** 3 modules = approx. 54 mm

**In KNX, to be completed with:** GNSS Antenna MTN6606-0073

**Accessories:** Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch CCT15860, IHP+ and KNX Year Time Switch key CCT15861

**GNSS Antenna**

Version	Art. no.
	<b>MTN6606-0073</b>

The GNSS antenna is a multi-satellite receiver, which can receive GPS, GALILEO, GLONASS and QZSS (GNSS: global navigation satellite system).

The GNSS antenna is used for worldwide time determination. As every satellite continually transmits UTC time (Greenwich Mean Time) via an atomic clock, it can be received worldwide. The GNSS antenna receives time signals of the above mentioned satellites and forwards them to the time switch. The exact local time is calculated in the time switch according to the set time zone. The GNSS antenna forwards the position coordinates.

The antenna is connected using a 2-core cable (max. 100 m).

**In KNX, to be completed with:** SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008





## DCF77 Antenna V2



Version	Art. no.
	<b>MTN6606-0070</b> <b>Discontinued</b>

Antenna for receiving the time by radio signal. Connect the antenna to the year time switch. To get the best reception, the antenna should not be installed in the cellar or the distribution system. It is connected via a separate 2-core, unshielded power line (max. 100 m), to which up to 5 year time switches can be connected. Incorrect polarity, short circuits and breaks in the antenna cable are each displayed visually.

**Type of protection:** IP 54

**In KNX, to be completed with:** SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008



## IHP+ and KNX Year Time Switch key



Version	Art. no.
	<b>CCT15861</b>

Memory card for saving and duplicating programs for time switches. The program created by the software is loaded to the memory chip and can then be imported to one or more time switches.

For IHP+ 1c/2c, ICastro 1c/2c, IC100kp+ 1c/2c, IHP 1c 18 mm, IHP+ 1c 18 mm and KNX Year Time Switch

**In KNX, to be completed with:** SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

## Acti 9 - Programming kit for IHP / IC / KNX Year Time Switch



Version	Art. no.
	<b>CCT15860</b>

For IC Astro and IC 100kp+.

**In KNX, to be completed with:** SpaceLogic KNX Year Time Switch REG-K/8/800 MTN6606-0008

**Accessories:** IHP+ and KNX Year Time Switch key CCT15861

**Contents:** With adapter, memory chip and 2 m USB cable.



## KNX timer REG-K



Version	Art. no.
light grey	<b>MTN677290</b> <b>Discontinued</b>

The timer sends time and date to the bus and can be operated with or without a DCF77 antenna.

- Automatic changeover between summer and winter time (can be switched off)
- Own adjustable changeover rule
- The data can be sent periodically or on request
- Lithium cell: time stays the same in the event of loss of bus power

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Accuracy:** 1 s/day, the application allows additional adjustment

**Reserve power:** 10 years

**Antenna line length:** max. 100 m

**Type of protection:** IP 20

**EC directives:** Low-voltage guideline 2006/95/EC and EMC directive 2004/108/EC

**Device width:** 2 modules = approx. 36 mm

**Accessories:** DCF77 antenna MTN668091

## DCF77 antenna



Version	Art. no.
light grey	<b>MTN668091</b> <b>Discontinued</b>













Antenna for receiving the time by radio signal. The antenna should be connected to a year time switch REG-K/4/324 DCF-77.

**Type of protection:** IP 54

**In KNX, to be completed with:** KNX timer REG-K MTN677290

**Contents:** With mounting bracket.








	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode				SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection			
												
Commercial reference	MTN6705-0008S	MTN6705-0008	MTN6805-0008		MTN647393	MTN647593	MTN647893	MTN648493	MTN647395	MTN647595	MTN647895	MTN648495
KNX Secure certified 	■	—	—		—	—	—	—	—	—	—	—
Number of switch contacts	8	8	8		2	4	8	12	2	4	8	12
Device width (1 md. = 1 module = 18 mm)	4 md.	4 md.	4 md.		2.5 md.	4 md.	8 md.	12 md.	2.5 md.	4 md.	8 md.	12 md.
Manual mode <ul style="list-style-type: none"> <li>■ Mechanical</li> <li>■ Electrical</li> <li>■ Reset by manual mode triggered actions</li> </ul>	— ■ (lockable)	— ■ (lockable)	on master device		— — —	— — —	— — —	— — —	— — —	— — —	— — —	— — —
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Screw terminals				Screw terminals			
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		AC 100-240 V	AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 230 V	AC 100-240 V	AC 100-240 V
Nominal current	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		16 A, cosφ = 0.6				16 A, cosφ = 0.6			
Connection power max. at AC 230 V <ul style="list-style-type: none"> <li>■ Incandescent lamps</li> <li>■ Halogen lamps</li> <li>■ Capacitive load</li> <li>■ Fluorescent lamps</li> </ul>	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF	2300 W 2300 W 10 AX, 140 µF		3600 W 2500 W 200 µF 2500 VA				3600 W 2500 W 200 µF 2500 VA			
DC power supply	not allowed	not allowed	not allowed		not allowed				Purely resistive loads allowed, DC 12-24 V, +10 %, 0,1 - 16 A			
<b>Software</b>												
ON/OFF delay	■	■	The software functions are provided by the master device		■				■			
Staircase lighting function with/without manual OFF <ul style="list-style-type: none"> <li>■ Retriggerable</li> <li>■ Fix (for all push-buttons the same time)</li> <li>■ Variable (for all push-buttons different times)</li> <li>■ Retriggerable and adding</li> <li>■ Retriigger to the higher time</li> <li>■ Prewarn</li> </ul>	■ ■ ■ ■ ■ ■	■ ■ ■ ■ ■ ■			■ ■ — — — ■				■ ■ ■ ■ ■ ■			
Flashing	■	■			■				■			
Make/Break contact adjustable	■	■			■				■			
Changeover contact adjustable	—	—			■				—			
Status/Status feedback <ul style="list-style-type: none"> <li>■ Active</li> <li>■ Passive</li> <li>■ Manual mode: Identify and acknowledge / Reset</li> <li>■ Delayed per device / Delayed per channel</li> </ul>	■ ■ ■ / ■ ■ / ■	■ ■ ■ / ■ ■ / ■			■ ■ — / — — / —				■ ■ ■ / ■ ■ / ■			
Behaviour of bus voltage failure / bus voltage recovery	■ / ■	■ / ■			■ / ■				■ / ■			
Scenes <ul style="list-style-type: none"> <li>■ Sending delay</li> </ul>	16 ■	16 ■			8 —				8 ■			
Higher priority functions <ul style="list-style-type: none"> <li>■ Logic function</li> <li>■ Disable function or priority function</li> </ul>	■ Logic function ■ Disable function or priority function	■ Logic function ■ Disable function or priority function			■ Disable function ■ Logic function or priority function				■ Logic function ■ Disable function or priority function			
Disable function <ul style="list-style-type: none"> <li>■ Behaviour of locking after bus voltage recovery</li> </ul>	■	■			■				■			
Logic function <ul style="list-style-type: none"> <li>■ Logic operation</li> <li>■ Value comparison / logic / gate function / filter / time delay</li> </ul>	— / — / — / — / —	— / — / — / — / —			— / — / — / — / —				■ / ■ / ■ / ■ / ■			
Central function <ul style="list-style-type: none"> <li>■ Time delay / Save changes</li> </ul>	■ ■ / ■	■ ■ / ■			■ — / —				■ ■ / ■			
Safety function	■	■			—				■			
Line monitoring (sending live signal)	■	■		—				■				
Energy saving function	■	■		—				—				
Switching cycle counter	■	—		—				—				
Firmware update (USB/TP)	■ / ■	■ / —		— / —				— / —				
Firmware version visible in ETS application	■	—		—				—				



## Switch Actuators Overview

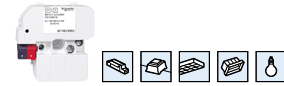
## Switch Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode				SpaceLogic KNX Switch actuator REG-K/x230/16 with manual mode and current detection					
														
<b>Commercial reference</b>	MTN6705-0008S	MTN6705-0008	MTN6805-0008		MTN647393	MTN647593	MTN647893	MTN648493	MTN647395	MTN647595	MTN647895	MTN648495		
<b>Current detection</b> <ul style="list-style-type: none"> <li>■ AC/DC</li> <li>■ Display energy consumption*</li> <li>■ Several limit monitorings</li> <li>■ Switch counter</li> <li>■ Hours counter</li> <li>■ Combined counter (Switch and hour counter with limit monitoring)</li> </ul>	—	—	The software functions are provided by the master device										■	
<b>Heating function</b> <ul style="list-style-type: none"> <li>■ Switching ON/OFF (2-point valve)</li> <li>■ Continuous (PWM)</li> <li>■ Cyclic surveillance of control value</li> <li>■ Locking in summer/winter mode</li> <li>■ Collected response „All valves closed“</li> <li>■ Current detection</li> <li>■ Valve protection cyclical / with telegram</li> <li>■ Valve protection feedback / status</li> <li>■ Behaviour when bus voltage fails / when bus voltage returns</li> </ul>	—	—												■
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## Switch actuators



## Switch actuator, flush-mounted/230/16



Version	Art. no.
polar white	MTN62993

For switching a load via a make contact. With integrated bus coupler and screw terminals. The device is connected to the bus with a bus connecting terminal. The actuator can be built into a 47 mm ceiling socket with hook or a flush-mounted switch box.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**Nominal current:** 16 A, ohmic load  $\cos\phi = 1$   
10 A, inductive load  $\cos\phi = 0,6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1173 W

AC 230 V, max. 2700 W

AC 240 V, max. 2817 W

**Halogen lamps:** AC 100 V, max. 739 W

AC 230 V, max. 1700 W

AC 240 V, max. 1773 W

**Fluorescent lamps:** AC 100 V, max. 434 VA

AC 230 V, max. 1000 VA

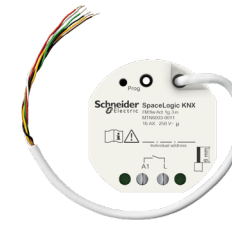
AC 240 V, max. 1043 VA

parallel-compensated

**Capacitive load:** AC 230 V, 10 A, max. 105  $\mu\text{F}$

**Dimensions:** 51x52x29 mm (WxHxD)

**Contents:** With bus connecting terminal.



## SpaceLogic KNX Flush Mounted Switch Actuator 1g with 3 binary inputs



Version	Art. no.
	MTN6003-0011

1-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

**KNX Secure compatible****KNX software functions: Switch actuator functions:**

Operation as break contact or make contact. Selection of default position on bus voltage failure/recovery. Switch on and/or off delay. Time switch function. Switching. Status feedback. Disable function or priority control. Scene function (64). Status feedback object can be inverted.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Lightscene ext. unit with memory function.

**Logic module:**

Logic operation, Converter, Blocking element, Comparator, Limit value

**Nominal voltage:** AC 230 V

**Nominal current:** 16 A, ohmic load

**Switch contact:** Make contact, floating relay contact

**Nominal output**

**Incandescent lamps:** AC 230 V, max. 2500 W

**Halogen lamps:** AC 230 V, max. 2500 W

**HV LED lamps:** AC 230 V, max. 400 W

**Ohmic load:** AC 230 V, 3000 W

**Capacitive load:** AC 230 V, 16 A, max. 140  $\mu\text{F}$

**LV halogen lamps:** max. 1200 VA, wound transformer

max. 1500 W, electronic transformers

**Fluorescent lamps:** AC 230 V, max. 1000 W, uncompensated

AC 230 V, max. 1160 W (140  $\mu\text{F}$ ) with parallel compensation

**Inputs: 3**

**Temperature range:** -5 °C to 45 °C

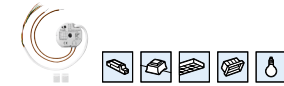
**Dimensions:** 48x50x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

## Switch Actuators



## KNX switch actuator 16 A FM with 2 inputs



Version

Art. no.

MTN6003-0001

1-gang switch actuator with two inputs for installation in a size 60 switch box or ceiling socket-outlet with hook. Floating contacts can be connected to the two inputs.

The first input is assigned to the actuator at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

**KNX software functions: Switch actuator functions:**

Operation as break contact or make contact. Selection of default position on bus voltage failure/recovery. Switch on and/or off delay. Time switch function. Switching. Status feedback. Logic operation. Disable function or priority control. Status feedback object can be inverted.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and lightscene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Lightscene ext. unit with memory function.

**Nominal voltage:** AC 230 V

**Nominal current:** 16 A, ohmic load

**Switch contact:** Make contact, floating relay contact

**Nominal output**

**Incandescent lamps:** AC 230 V, max. 2500 W

**Halogen lamps:** AC 230 V, max. 2200 W

**LV halogen lamps:** max. 1000 VA, wound transformer

max. 1000 W, electronic transformers

**Capacitive load:** AC 230 V, 10 A, max. 105 µF

**Inputs:** 2

**Temperature range:** -5 °C to 45 °C

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

## Switch Actuators



## 2-gang switch actuator 6 A FM with 2 inputs



Version

Art. no.

MTN6003-0002

2-gang switch actuator with two inputs for installation in a size 60 switch box. Floating contacts can be connected to the two inputs.

The inputs have already been assigned to the corresponding actuators at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

**KNX software functions: Switch actuator functions:**

Operation as break contact or make contact. Selection of default position on bus voltage failure/recovery. Switch on and/or off delay. Time switch function. Switching. Status feedback. Logic operation. Disable function or priority control. Status feedback object can be inverted.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V

**Nominal current:** 6 A, ohmic load

**Switch contacts:** 2x make contacts

**Nominal output**

**Incandescent lamps:** AC 230 V, max. 1200 W

**Halogen lamps:** AC 230 V, max. 1200 W

**LV halogen lamps:** max. 500 VA, wound transformer

max. 500 W, electronic transformers

**Capacitive load:** AC 230 V, 6 A, max. 14 µF

**Inputs:** 2

**Temperature range:** -5 °C to 45 °C

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)



## Switch Actuators



## Switch actuator REG-K/2x230/10 with manual mode



Version	Art. no.
light grey	<b>MTN649202</b>

For independent switching of up to 2 loads via make contacts. The function of the switching channels is freely configurable. All switching outlets can be operated manually using push-button operation.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.

**Power supply:**

**Nominal voltage:** AC 230 V, 50-60 Hz

**For each switch output:**

**Nominal current:** 10 A,  $\cos\phi = 1$ ; 10 A,  $\cos\phi = 0.6$

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 1700 W

**Fluorescent lamps:** AC 230 V, max. 1800 W, uncompensated

AC 230 V, max. 1000 W with parallel compensation

**Capacitive load:** AC 230 V, max. 105  $\mu\text{F}$

**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.

## KNX Switch Actuator Basic REG-K/2x/16 A with manual mode



Version	Art. no.
	<b>MTN6700-0002</b>

For independent switching of 2 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.

**Rated voltage (nominal voltage):** AC 100-240 V, 50-60 Hz

**Tolerance range:** min. AC 90 V - max. AC 265 V

**For each switching contact:**

**Nominal current:** 16 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1080 W

AC 230 V, max. 2500 W

AC 240 V, max. 2500 W

**Fluorescent lamps:** AC 100 V, max. 900 VA

AC 230 V, max. 2000 VA

AC 240 V, max. 2000 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 105  $\mu\text{F}$

**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/2x230/16 with manual mode



Version	Art. no.
light grey	<b>MTN647393</b>

For independent switching of two loads via make contacts. With integrated bus coupler and screw terminals. The 230 V switch output can be operated with a manual switch.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each switching contact:**

**Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 200  $\mu\text{F}$

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150 $\mu\text{s}$ : 600 A

250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

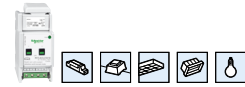
**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/2x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN647395

For independent switching of two loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring.

Flash function.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$   
DC 12-24 V, 0.1-16 A

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each switching contact:**

**Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 200  $\mu\text{F}$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150 $\mu\text{s}$ : 600 A

250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

**Current detection (load current):**

**Detection range:** 0.1 A to 16 A (sine effective value or DC)

**Sensing accuracy:** +/- 8% of the current value at hand (sine) and +/- 100 mA

**Frequency:** 50/60 Hz, for alternating current (AC)

**Description:** 100 mA

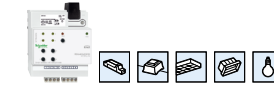
**Device width:** 2.5 modules = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## Switch actuator REG-K/4x230/10 with manual mode



Version	Art. no.
light grey	MTN649204

For independent switching of up to 4 loads via make contacts. The function of the switching channels is freely configurable. All switching outlets can be operated manually using push-button operation.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.

**Power supply:**

**Nominal voltage:** AC 230 V, 50-60 Hz

**For each switch output:**

**Nominal current:** 10 A,  $\cos\phi = 1$ ; 10 A,  $\cos\phi = 0.6$

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 1700 W

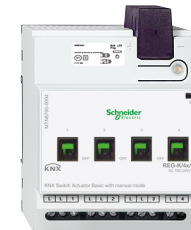
**Fluorescent lamps:** AC 230 V, max. 1800 W, uncompensated

AC 230 V, max. 1000 W with parallel compensation

**Capacitive load:** AC 230 V, max. 105  $\mu\text{F}$

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## KNX Switch Actuator Basic REG-K/4x/16 A with manual mode



Version	Art. no.
	MTN6700-0004

For independent switching of 4 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.

**Rated voltage (nominal voltage):** AC 100-240 V, 50-60 Hz

**Tolerance range:** min. AC 90 V - max. AC 265 V

**For each switching contact:**

**Nominal current:** 16 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1080 W

AC 230 V, max. 2500 W

AC 240 V, max. 2500 W

**Fluorescent lamps:** AC 100 V, max. 900 VA

AC 230 V, max. 2000 VA

AC 240 V, max. 2000 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 105  $\mu\text{F}$

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode



Version

Art. no.

light grey

MTN647593

For independent switching of four loads via make contacts. With integrated bus coupler 2 and screw terminals. The 230 V switch output can be operated with a manual switch.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** 230 V AC, 50-60 Hz

**For each switching contact: Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$  **Incandescent lamps:** 230 V AC, max. 3600 W

**Halogen lamps:** 230 V AC, max. 2500 W

**Fluorescent lamps:** AC 230 V, max. 2500 VA

**Capacitive load:** 230 V AC, 16 A, max. 200  $\mu\text{F}$

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150  $\mu\text{s}$ : 600 A

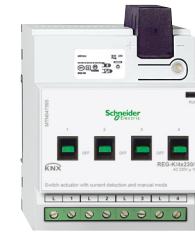
250  $\mu\text{s}$ : 480 A

600  $\mu\text{s}$ : 300 A

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/4x230/16 with manual mode and current detection



Version

Art. no.

light grey

MTN647595

For independent switching of four loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value.

Energy, operating and switch on counter with limit value monitoring.

Flash function.

**Nominal voltage:** 230 V AC, 50-60 Hz

DC 12-24 V  $\pm 10\%$ , 0.1-16 A

**For each switching contact: Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$  **Incandescent lamps:** 230 V AC, max. 3600 W

**Halogen lamps:** 230 V AC, max. 2500 W

**Fluorescent lamps:** 230 V AC, max. 2500 VA, with parallel compensation

**Capacitive load:** 230 V AC, 16 A, max. 200  $\mu\text{F}$

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150  $\mu\text{s}$ : 600 A

250  $\mu\text{s}$ : 480 A

600  $\mu\text{s}$ : 300 A

**Current detection load current: Detection range:** 0.1 A to 16 A (sine effective value or direct current)

**Detection accuracy:**  $\pm 8\%$  of the present current value (sine) and  $\pm 100$  mA

**Frequency:** 50/60 Hz with alternating voltage

**Display:** 100 mA

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## Switch Actuators



## Switch actuator REG-K/8x230/6



Version

Art. no.

light grey

MTN646808

For independent switching of eight loads via make contacts. With integrated bus coupler and plug-in screw terminals.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** AC 230 V, 50-60 Hz

**For each switching contact:**

**Nominal current:** 6 A,  $\cos\phi = 0.6$

**Incandescent lamps:** AC 230 V, max. 1380 W

**Halogen lamps:** AC 230 V, max. 1380 W

**Fluorescent lamps:** AC 230 V, max. 1000 VA

**Capacitive load:** AC 230 V, 6 A, max. 105  $\mu\text{F}$

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch actuator REG-K/8x230/10 with manual mode



Version

Art. no.

light grey

MTN649208

For independent switching of up to 8 loads via make contacts. The function of the switching channels is freely configurable. All switching outlets can be operated manually using push-button operation.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.

**Power supply:**

**Nominal voltage:** AC 230 V, 50-60 Hz

**For each switch output:**

**Nominal current:** 10 A,  $\cos\phi = 1$ ; 10 A,  $\cos\phi = 0.6$

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 1700 W

**Fluorescent lamps:** AC 230 V, max. 1800 W, uncompensated

AC 230 V, max. 1000 W with parallel compensation

**Capacitive load:** AC 230 V, max. 105  $\mu\text{F}$

**Device width:** 4 modules = approx. 72 mm

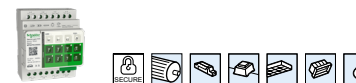
**Contents:** With bus connecting terminal and cable cover.



## Switch Actuators



## SpaceLogic KNX, Secure, Switch/Blind Master



Version

Art. no.

white

MTN6705-0008S

This device is KNX Secure certified.

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX Secure compatible:** The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Blind actuator functions:** Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

**Supply voltage:** KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Nominal voltage:** AC 250 V, 50-60 Hz

**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**

**Motor load:** 1000 VA

**For each switch output:**

**Nominal load**

**Incandescent lamps:** 2300 W

**Halogen lamps:** 2300 W

**LED:** 200 W

**Capacitive load:** 10 AX, max. 140  $\mu\text{F}$

**Inductive load:** 10 A,  $\cos\phi = 0.6$

**Relay data - inrush current:** max. 800 A/200  $\mu\text{s}$ , max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

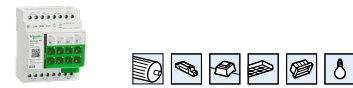
**Accessories:** SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal.

## Switch Actuators



### SpaceLogic KNX Switch/Blind Master



Version	Art. no.
white	<b>MTN6705-0008</b>

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switching outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Blind actuator functions:** Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

**Supply voltage:** KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Nominal voltage:** AC 250 V, 50-60 Hz  
**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**  
**Motor load:** 1000 VA

**For each switch output:**  
**Nominal load**  
**Incandescent lamps:** 2300 W  
**Halogen lamps:** 2300 W  
**LED:** 200 W  
**Capacitive load:** 10 AX, max. 140 µF  
**Inductive load:** 10 A,  $\cos\phi = 0.6$   
**Relay data - inrush current:** max. 800 A/200 µs, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

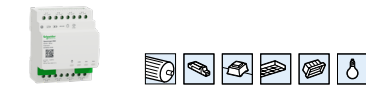
**Accessories:** SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal.

## Switch Actuators



### SpaceLogic KNX Switch/Blind Extension



Version	Art. no.
white	<b>MTN6805-0008</b>

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

**KNX software functions:** The functions are set in the KNX application of the Master

**Supply voltage:** via link interface  
**Nominal voltage:** AC 250 V, 50-60 Hz  
**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**  
**Motor load:** 1000 VA

**For each switch output:**  
**Nominal load**  
**Incandescent lamps:** 2300 W  
**Halogen lamps:** 2300 W  
**LED:** 200 W  
**Capacitive load:** 10 AX, max. 140 µF  
**Inductive load:** 10 A,  $\cos\phi = 0.6$   
**Relay data - inrush current:** max. 800 A/200 µs, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

**In KNX, to be completed with:** SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/ MTN6710-0102S

**Accessories:** SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

**Contents:** With Module Link.



SpaceLogic KNX Cable Link S	SpaceLogic KNX Cable Link L
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Version	Art. no.	Version	Art. no.
30 cm	<b>MTN6941-0001</b>	150 cm	<b>MTN6941-0002</b>

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm	The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm
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### SpaceLogic KNX Module Link



Version	Art. no.
	<b>MTN6940-0000</b>

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.



## Switch Actuators



## KNX Switch Actuator Basic REG-K/8x/16 A with manual mode



Version	Art. no.
	<b>MTN6700-0008</b>

For independent switching of 8 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupler.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.

**Rated voltage (nominal voltage):** AC 100-240 V, 50-60 Hz

**Tolerance range:** min. AC 90 V - max. AC 265 V

**For each switching contact:**

**Nominal current:** 16 A, inductive load  $\cos\phi = 0,6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1080 W

AC 230 V, max. 2500 W

AC 240 V, max. 2500 W

**Fluorescent lamps:** AC 100 V, max. 900 VA

AC 230 V, max. 2000 VA

AC 240 V, max. 2000 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 105  $\mu\text{F}$

**Device width:** 8 modules = approx. 144 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode



Version	Art. no.
light grey	<b>MTN647893</b>

For independent switching of 8 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.

The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each switching contact:**

**Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A / 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 200  $\mu\text{F}$

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150 $\mu\text{s}$ : 600 A

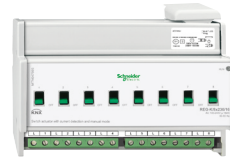
250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

**Device width:** 8 modules = approx. 144 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/8x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN647895

For independently switching 8 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

Current detection function: Behaviour when value exceeds/falls short of the threshold value. Energy, operating and switch on counter with limit value monitoring.

Flash function.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

DC 12-24 V, 0.1-16 A

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each switching contact:**

**Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A/ 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 200  $\mu\text{F}$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150 $\mu\text{s}$ : 600 A

250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

**Current detection (load current):**

**Detection range:** 0.1 A to 16 A (sine effective value or DC)

**Sensing accuracy:** +/- 8% of the current value at hand (sine) and +/- 100 mA

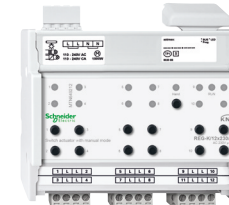
**Frequency:** 50/60 Hz, for alternating current (AC)

**Description:** 100 mA

**Device width:** 8 modules = approx. 144 mm

**Contents:** With bus connecting terminal and cable cover.

## Switch Actuators



## Switch actuator REG-K/12x230/10 with manual mode



Version	Art. no.
light grey	MTN649212

For independent switching of up to 12 loads via make contacts. The function of the switching channels is freely configurable. All switching outlets can be operated manually using push-button operation.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.

**Power supply:**

**Nominal voltage:** AC 230 V, 50 - 60 Hz

**External auxiliary voltage (optional):** AC 110 - 240 V, 50 - 60 Hz, max. 2 VA

**For each switch output:**

**Nominal current:** 10 A,  $\cos\phi = 1$ ; 10 A,  $\cos\phi = 0.6$

**Incandescent lamps:** AC 230 V, max. 2000 W

**Halogen lamps:** AC 230 V, max. 1700 W

**Fluorescent lamps:** AC 230 V, max. 1800 W, uncompensated

AC 230 V, max. 1000 W parallel-compensated

**Capacitive load:** AC 230 V, max. 105  $\mu\text{F}$

**Device width:** 6 modules = approx. 108 mm

**Contents:** With bus connecting terminal and cable cover.



## KNX Switch Actuator Basic REG-K/12x/16 A with manual mode



Version	Art. no.
	MTN6700-0012

For independent switching of 12 loads via make contacts. All switch outputs can be operated with manual switches. With integrated bus coupler.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, logic operation, status feedback per channel, central function, parameterisation for bus voltage failure and recovery.

**Rated voltage (nominal voltage):** AC 100-240 V, 50-60 Hz

**Tolerance range:** min. AC 90 V - max. AC 265 V

**For each switching contact:**

**Nominal current:** 16 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1080 W

AC 230 V, max. 2500 W

AC 240 V, max. 2500 W

**Fluorescent lamps:** AC 100 V, max. 900 VA

AC 230 V, max. 2000 VA

AC 240 V, max. 2000 VA

parallel-compensated

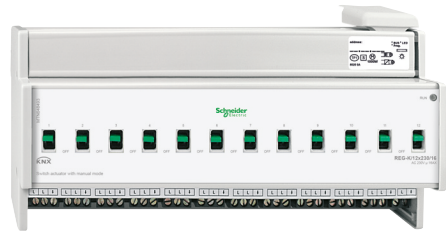
**Capacitive load:** AC 230 V, 16 A, max. 105  $\mu\text{F}$

**Device width:** 12 modules = approx. 216 mm

**Contents:** With bus connecting terminal and cable cover.



## Switch Actuators



## SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode



Version	Art. no.
light grey	MTN648493

For independent switching of 12 loads via make contacts. All 230 V switch outputs can be operated with manual switches. With integrated bus coupler.

The device is connected to the mains via screw terminals; every second L connection is bridged internally. A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break or make contact, delay functions for each channel, staircase lighting function with/without manual OFF function, cut-out warning for staircase lighting function, blocking and additional logic operation or priority control, scenes, status feedback function per channel, central function, comprehensive parameterisation for bus voltage failure and recovery, parameterisable download behaviour.

**Nominal voltage:** 230 V AC, 50-60 Hz

**For each switching contact: Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A/ 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$  **Incandescent lamps:** 230 V AC, max. 3600 W

**Halogen lamps:** 230 V AC, max. 2500 W

**Fluorescent lamps:** AC 230 V, max. 2500 VA

**Capacitive load:** 230 V AC, 16 A, max. 200  $\mu\text{F}$

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

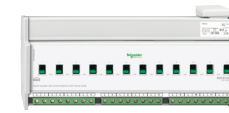
150 $\mu\text{s}$ : 600 A

250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

**Device width:** 12 modules = approx. 216 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Switch actuator REG-K/12x230/16 with manual mode and current detection



Version	Art. no.
light grey	MTN648495

For independently switching 12 loads via make contacts. The actuator has integrated current detection that measures the load current on each channel. All 230 V switch outputs can be operated with manual switches. With integrated bus coupling unit.

A green LED indicates that the device is ready for operation once the application has been loaded. The load is connected with screw terminals.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Operation as break contact or make contact. Staircase lighting function with/without manual OFF function and switch-off warning. Delay functions. Scenes. Logic function. Blocking or priority control. Feedback function. Status. Central function with delay. Parameterisation for bus voltage failure and recovery. Behaviour for download.

**Current detection function:** Behaviour when value exceeds/falls short of the threshold value.

Energy, operating and switch on counter with limit value monitoring.

Flash function.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

DC 12-24 V, 0.1-16 A

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each switching contact:**

**Switching current:** 16 A,  $\cos\phi = 0.6$

AC1 operation: max. 16 A

AC3 operation: max. 10 A

AC5 operation: max. 16 A

DC current switching capacity: max. 16 A/ 24 V DC

**Output life endurance:**

Mechanical:  $>10^6$

AC1/AC3/AC5 operation:  $>3 \times 10^4$

230V, 1A resistive:  $>8 \times 10^5$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 230 V, 16 A, max. 200  $\mu\text{F}$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Minimum switching performance:** 100 mA/12 V AC/DC

**Maximum peak inrush-current:**

150 $\mu\text{s}$ : 600 A

250 $\mu\text{s}$ : 480 A

600 $\mu\text{s}$ : 300 A

**Current detection (load current):**

**Detection range:** 0.1 A to 16 A (sine effective value or DC)

**Sensing accuracy:** +/- 8% of the current value at hand (sine) and +/- 100 mA

**Frequency:** 50/60 Hz, for alternating current (AC)










**Description:** 100 mA

**Device width:** 12 modules = approx. 216 mm

**Contents:** With bus connecting terminal and cable cover.

## Blind Actuators Overview

## Blind Actuators Overview

	SpaceLogic KNX, Secure, Switch/Blind Master	SpaceLogic KNX Switch/Blind Master	SpaceLogic KNX Switch/Blind Extension		Blind actuator REG-K/4x/6	SpaceLogic KNX Blind actuator REG-K/4x/24/6 with manual mode	Roller shutter actuator REG-K/4x/10 with manual mode	SpaceLogic KNX Blind actuator REG-K/x/10 with manual mode	SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode
Article number	 MTN6705-0008S	 MTN6705-0008	 MTN6805-0008		 MTN646704	 MTN648704	 MTN649704	 MTN649802	 MTN649804
KNX Secure certified 	■	—	—		—	—	—	—	—
Number of channels	8	8	8		4	4	4	2	4
Device width	4 modules	4 modules	4 modules		4 modules	4 modules	4 modules	4 modules	8 modules
Manual mode push-buttons	■	■	■		—	■	■	■	■
Connecting terminal (consumer load)	Screw terminals	Screw terminals	Screw terminals		Plug-in screw terminals	Plug-in screw terminals	Plug-in screw terminals	Plug-in screw terminals	Plug-in screw terminals
Nominal voltage, AC, 50-60 Hz	AC 250 V	AC 250 V	AC 250 V		AC 230 V	—	AC 100-240 V	AC 100-240 V	AC 230 V
Nominal voltage, DC	—	—	—		—	DC 24 V, ±10 %	—	—	—
Nominal current	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5	16 AAC-1, IEC 60947-4-1 10 A, IEC 60669-2-5		6 A, cos φ = 0,6	6 A	10 A, cos φ = 0,6	10 A, cos φ = 0,6	10 A, cos φ = 0,6
Auxiliary power (optional)	—	—	—		—	—	—	—	AC 110-240 V, 50-60 Hz, max. 2 VA
<b>Software</b>									
Configuration switching or blind	■	■	The software functions are provided by the master device		—	—	—	—	—
Defining blind type	■	■			■	■	—	■	■
Slat functionality	■	■			■	■	—	■	■
Calibration (reference movement)	■	■			■	■	■	■	■
Movement range limit	■	■			■	■	■	■	■
Pause on reverse on change in direction	■	■			■	■	■	■	■
Extended drive parameters	■	■			■	■	■	■	■
Control by									
■ manual mode via the push-buttons of the actuator	■	■			—	■	■	■	■
■ automatic objects or preset objects	■	■			■	■	■	■	■
■ manual operation via objects	■	■			■	■	■	■	■
Manual mode enable/disable when bus voltage fails	—	—			—	—	—	—	■ (Precondition: auxiliary power)
Locking manual operation via objects	■	■			■	■	■	■	■
Weather alarm functions									
■ Wind alarm	3	3			3	3	3	3	3
■ Rain alarm	1	1			1	1	1	1	1
■ Frost alarm	1	1			1	1	1	1	1
■ Set the order of priority	■	■			■	■	■	■	■
■ Behaviour at start/end of the wether alarm	■	■			■	■	■	■	■
Alarm functions									
■ Behavior at the start/end of the alarm	■	■			■	■	■	■	■
Set the order of priority for higher-level functions (alarm, weather alarm, locking, movement range)	■	■			■	■	■	■	■
Scenes	16	16			4	5	5	5	5
Disable function									
■ Behavior at the start/end of the locking	■	■			■	■	■	■	■
Behaviour of bus voltage failure / bus voltage recovery / download	■ / ■ / ■	■ / ■ / ■			■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■	■ / ■ / ■
Status messages									
■ Hight	■	■			■	■	■	■	■
■ Slat	■	■			■	■	■	■	■
■ Automatic	■	■			■	■	■	■	■
■ Drive locking or movement range limit	■	■			■	■	■	■	■
Line monitoring (sending live signal)	■	■			—	—	—	—	—
Energy saving function	■	■			—	—	—	—	—

## Blind actuators



## SpaceLogic KNX Blind actuator REG-K/2x/10 with manual mode



Version	Art. no.
light grey	<b>MTN649802</b>

For independent control of 2 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Blind functions:** Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

**For each blind output:**

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**Nominal current:** 10 A, inductive load  $\cos\phi = 0.6$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Blind actuator REG-K/4x24/6 with manual mode



Version	Art. no.
light grey	<b>MTN648704</b>

For independent control of 4 blind/roller shutter drives. The function of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Blind functions:** Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

**For each blind output:**

**Nominal voltage:** DC 24 V  $\pm 10\%$

**Nominal current:** 6 A

**Load types:** 24 V direct current drives

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## Blind actuator REG-K/4x/6



Version	Art. no.
light grey	<b>MTN646704</b>

For independent control of 4 blind/roller shutter drives. With integrated bus coupler and plug-in screw terminals.

A green LED indicates readiness for operation after the application has been loaded.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Blind functions:** Blind type. Running time. Idle time. Step interval. Weather alarms. 8-bit positioning for height and slats. Scenes. Automatic function. Differentiated status and feedback functions.

**For each blind output:**

**Nominal voltage:** AC 230 V, 50-60 Hz

**Nominal current:** 6 A,  $\cos\phi = 0.6$

**Motor load:** AC 230 V, max. 1000 W

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## Roller shutter actuator REG-K/4x/10 with manual mode



Version	Art. no.
light grey	<b>MTN649704</b>

For independent control of 4 roller shutter drives. The function of the roller shutter channels is freely configurable. All roller shutter outputs can be operated manually using push-button operation.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Roller shutter functions:** Running time. Idle time. Differentiated disable functions and weather alarms. 8-bit positioning for height. Scenes. Manual/automatic function. Differentiated status and status feedback functions.

**For each roller shutter output:**

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**Nominal current:** 10 A, inductive load  $\cos\phi = 0.6$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.

## Blind Actuators



## SpaceLogic KNX Blind actuator REG-K/4x/10 with manual mode



Version	Art. no.
light grey	MTN649804

For independent control of 4 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-button operation. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

**For each blind output:**

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**Nominal current:** 10 A, inductive load  $\cos\phi = 0.6$

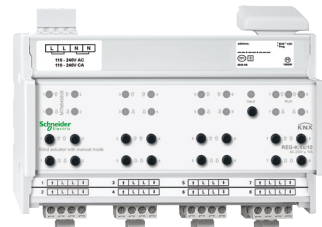
**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Blind actuator REG-K/8x/10 with manual mode



Version	Art. no.
light grey	MTN649808

For independent control of 8 blind/roller shutter drives. The functions of the blind channels is freely configurable. All blind outputs can be operated manually using push-buttons. Channel status display via LEDs. A green LED indicates readiness for operation. With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Blind type. Running time. Idle time. Step interval. Differentiated disable functions and weather alarms. 8-bit positioning for height and slat. Scenes. Manual/automatic mode. Differentiated status and status feedback functions.

**For each blind output:**

**Nominal voltage:** AC 230 V, 50 - 60 Hz

**Nominal current:** 10 A,  $\cos\phi = 0.6$

**Motor load:** AC 230 V, max. 1000 W

**External auxiliary voltage (optional):** AC 110-240 V, 50-60 Hz, max. 2 VA

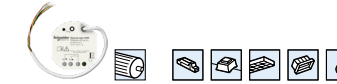
**Device width:** 8 modules = approx. 144 mm

**Contents:** With bus connecting terminal and cable cover.

## Blind Actuators



## SpaceLogic KNX Flush Mounted Blind/Switch actuator 2g with 3 binary inputs



Version	Art. no.
	MTN6003-0012

1-gang blind actuator or 2-gang switch actuator with three binary inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable.

The connecting cable for the inputs can be extended to a max. of 10 m.

**KNX Secure compatible****KNX software functions: Blind actuator function:**

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. Scene function (64). Memory function for scenes.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature,

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Scene ext. unit with memory function.

Scene ext. unit with memory function.

**Logic module:**

Logic operation, Converter, Blocking element, Comparator, Limit value

**Nominal voltage:** AC 230 V

**Nominal current:**  $\Sigma 16$  A, ohmic load

**Switch contact:** Make contact, floating relay contact

**Nominal output**

**Motor:** AC 230 V, max. 1380 W

**Incandescent lamps:** AC 230 V, max. 2500 W

**Halogen lamps:** AC 230 V, max. 2500 W

**HV LED lamps:** AC 230 V, max. 400 W

**Ohmic load:** AC 230 V, 3000 W

**Capacitive load:** AC 230 V, 16 A, max. 140  $\mu$ F

**LV halogen lamps:** max. 1200 VA, wound transformer

max. 1500 W, electronic transformers

**Fluorescent lamps:** AC 230 V, max. 1000 W, uncompensated

AC 230 V, max. 1160 W (140  $\mu$ F) with parallel compensation

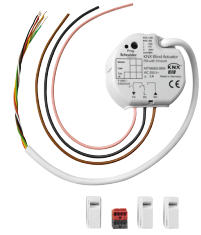
**Inputs:** 3

**Temperature range:** -5 °C to 45 °C

**Dimensions:** 48x50x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)





#### KNX blind actuator FM with 3 inputs



Version

Art. no.

MTN6003-0004

1-gang blind actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs.

The inputs have already been assigned to the actuator at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

#### KNX software functions: Blind actuator function:

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. 8 Scene function. Memory function for scenes.

#### Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V, 50/60 Hz

**Switching current:** 3 A, AC1

**Nominal output**

**Motor:** AC 230 V, 600 VA

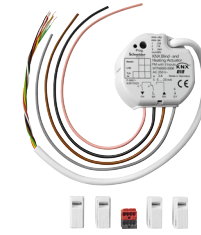
**Inputs:** 3

**Temperature range:** -5 °C to 45 °C

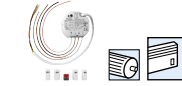
**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)



#### KNX blind and heating actuator with 3 inputs



Version

Art. no.

MTN6003-0006

1-gang blind actuator and 1-gang heating actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the inputs.

The inputs have already been assigned to the actuator at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

#### KNX software functions: Blind actuator function:

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. 8 Scene function. Memory function for scenes.

#### Heating actuator function:

Can be controlled by a control value (1 bit or 1 byte). Status indication (1 bit or 1 byte).

Valve control (de-energised open/closed). Summer or winter mode can be selected. Cyclical monitoring of control value. Emergency mode and alarm signal. Priority control (forced setting for summer and winter mode with different values). Behaviour when bus voltage recovers and fails. Overload or short circuit signal. Control of the valve drives (switching or via PWM). Function to protect valves from sticking.

#### Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V, 50/60 Hz

**Blind output**

**Switching current:** 3 A, AC1

**Nominal output**

**Motor:** AC 230 V, 600 VA

**Heating output**

**Switch contact:** Triac

**Nominal current:** 5 to 25 mA, max. 2 valve drives

**Inputs:** 3

**Temperature range:** -5 °C to 45 °C

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

## Blind/switch actuators



## SpaceLogic KNX, Secure, Switch/Blind Master



Version

Art. no.

white

MTN6705-0008S

This device is KNX Secure certified.

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX Secure compatible:** The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Blind actuator functions:** Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, switching cycle counter, status feedback function for each channel.

**Supply voltage:** KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Nominal voltage:** AC 250 V, 50-60 Hz

**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**

**Motor load:** 1000 VA

**For each switch output:**

**Nominal load**

**Incandescent lamps:** 2300 W

**Halogen lamps:** 2300 W

**LED:** 200 W

**Capacitive load:** 10 AX, max. 140 µF

**Inductive load:** 10 A,  $\cos\phi = 0.6$

**Relay data - inrush current:** max. 800 A/200 µs, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

**Accessories:** SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal.



## SpaceLogic KNX Switch/Blind Master



Version

Art. no.

white

MTN6705-0008

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

The number of channels can be increased by connecting SpaceLogic KNX Switch/Blind Extensions. A maximum of 2 Extensions can be connected to the Master, so up to 24 loads can be switched or 12 blind drives can be controlled. The Master controls the Extensions, their power supply and communication with the bus.

Operating elements: Push-buttons for switching to manual operation, for choosing the device to be operated (Master and Extensions) and for channel control.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Blind actuator functions:** Running time, idle time, step interval, locking function, movement range limits, weather alarm, 8-bit positioning for height and slats, scenes, status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact, programmable behaviour for download, delay functions for each channel, staircase lighting function with/without manual OFF function, switch-off prewarning for staircase lighting function, scenes, central function, locking function, logic operation or priority control, status feedback function for each channel.

**Supply voltage:** KNX bus, approx. 6.5 mA (Master), approx. 9 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Nominal voltage:** AC 250 V, 50-60 Hz

**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**

**Motor load:** 1000 VA

**For each switch output:**

**Nominal load**

**Incandescent lamps:** 2300 W

**Halogen lamps:** 2300 W

**LED:** 200 W

**Capacitive load:** 10 AX, max. 140 µF

**Inductive load:** 10 A,  $\cos\phi = 0.6$

**Relay data - inrush current:** max. 800 A/200 µs, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

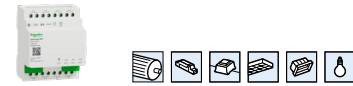
**Accessories:** SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal.

## Blind/Switch Actuators



### SpaceLogic KNX Switch/Blind Extension



Version	Art. no.
white	<b>MTN6805-0008</b>

The SpaceLogic KNX Switch/Blind Extension is a switch actuator that extends the channels of a SpaceLogic KNX Switch/Blind Master (Secure) or a SpaceLogic KNX Universal Dimming Master (Secure).

For independent control of up to 4 blind/roller shutter drives or for switching up to 8 loads via make contacts. The function of the blind or switching channels is freely configurable.

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus.

All outputs can be operated manually using the Master's keypad.

On the Extension a green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually.

For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

**KNX software functions:** The functions are set in the KNX application of the Master

**Supply voltage:** via link interface

**Nominal voltage:** AC 250 V, 50-60 Hz

**Nominal current:** 16 A AC-1, IEC 60947-4-1 / 10 A, IEC 60669-2-5

**For each blind output:**

**Motor load:** 1000 VA

**For each switch output:**

**Nominal load**

**Incandescent lamps:** 2300 W

**Halogen lamps:** 2300 W

**LED:** 200 W

**Capacitive load:** 10 AX, max. 140 µF

**Inductive load:** 10 A,  $\cos\phi = 0.6$

**Relay data - inrush current:** max. 800 A/200 µs, max. 165 A/20 ms

**Device width:** 4 modules = approx. 72 mm

**In KNX, to be completed with:** SpaceLogic KNX Switch/Blind Master MTN6705-0008/ MTN6705-0008S, SpaceLogic KNX Universal Dimming Master MTN6710-0102/ MTN6710-0102S

**Accessories:** SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

**Contents:** With Module Link.



SpaceLogic KNX Cable Link S		SpaceLogic KNX Cable Link L	
Version	Art. no.	Version	Art. no.
30 cm	<b>MTN6941-0001</b>	150 cm	<b>MTN6941-0002</b>
The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm		The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm	



Version	Art. no.	Version	Art. no.
30 cm	<b>MTN6941-0001</b>	150 cm	<b>MTN6941-0002</b>

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm

### SpaceLogic KNX Module Link



Version	Art. no.
	<b>MTN6940-0000</b>

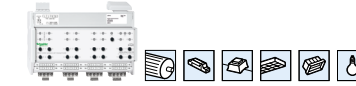
The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.



## Blind/Switch Actuators



### Blind/switch actuator REG-K/8x/16x/10 with manual mode



Version	Art. no.
light grey	<b>MTN649908</b>

For independent control of up to 8 blind/roller shutter drives or for switching up to 16 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Blind functions: Blind type. Running time. Idle time. Step interval. Weather alarm. 8-bit positioning for height and slats. Scenes. Status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function. Disable function. Logic operation or priority control. Status feedback function for each channel.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each blind output:**

**Nominal current:** 10 A, inductive load  $\cos\phi = 0.6$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**For each switch output:**

**Nominal current:** 10 A, ohmic load  $\cos\phi = 1$

10 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 869 W

AC 230 V, max. 2000 W

AC 240 V, max. 2086 W

**Halogen lamps:** AC 100 V, max. 739 W

AC 230 V, max. 1700 W

AC 240 V, max. 1773 W

**Fluorescent lamps:** AC 100 V, max. 434 VA

AC 230 V, max. 1000 VA

AC 240 V, max. 1043 VA

parallel-compensated

**Capacitive load:** AC 230 V, 10 A, max. 105 µF

**External auxiliary voltage (optional):**

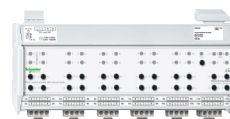
**Nominal voltage:** AC 110-240 V  $\pm 10\%$

**Operating voltage:** min. AC 92 V - max. AC 265 V

**Device width:** 8 modules = approx. 144 mm

**Note:** The blind actuator/switch actuator cannot be used in conjunction with the weather-dependent automatic functions of the weather combi-sensor/DCF77 art. no. MTN663692. If you require these functions then use the blind actuators art. no. MTN6498...

**Contents:** With bus connecting terminal and cable cover.



## Blind / switch actuator REG-K/12x/24x/10 with manual mode



Version Art. no.

light grey MTN649912

For independent control of up to 12 blind/roller shutter drives or for switching up to 24 loads via make contacts. The function of the blind or switching channels is freely configurable. All blind/switch outputs can be operated manually using push-buttons.

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Blind functions: Blind type. Running time. Idle time. Step interval.

Weather alarm. 8-bit positioning for height and slats. Scenes. Status and feedback function.

**Switch actuator functions:** Operation as break contact/make contact. Programmable behaviour for download. Delay functions for each channel. Staircase lighting function with/without manual OFF function. Cut-out warning for staircase lighting function. Scenes. Central function.

Disable function. Logic operation or priority control. Status feedback function for each channel.

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**For each blind output:**

**Nominal current:** 10 A, inductive load  $\cos\phi = 0.6$

**Motor load:** AC 100 V, max. 434 W

AC 230 V, max. 1000 W

AC 240 V, max. 1043 W

**For each switch output:**

**Nominal current:** 10 A, ohmic load  $\cos\phi = 1$

10 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 869 W

AC 230 V, max. 2000 W

AC 240 V, max. 2086 W

**Halogen lamps:** AC 100 V, max. 739 W

AC 230 V, max. 1700 W

AC 240 V, max. 1773 W

**Fluorescent lamps:** AC 100 V, max. 434 VA

AC 230 V, max. 1000 VA

AC 240 V, max. 1043 VA

parallel-compensated

**Capacitive load:** AC 230 V, 10 A, max. 105  $\mu\text{F}$

**External auxiliary voltage (optional):**

**Nominal voltage:** AC 110-240 V  $\pm 10\%$

**Operating voltage:** min. AC 92 V - max. AC 265 V

**Device width:** 12 modules = approx. 216 mm

**Note:** The blind actuator/switch actuator cannot be used in conjunction with the weather-dependent automatic functions of the weather combi-sensor/DCF77 art. no. MTN663692. If you require these functions then use the blind actuators art. no. MTN6498...

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



## SpaceLogic KNX Hybrid Switch Actuator REG-K/4x250/10 with manual mode



Version Art. no.

4 channels, white MTN6700-0104 **New****For the Chinese market.**

For independent switching of 4 loads or for controlling up to 2 blinds/roller shutters, 1 fan coil with 3 levels, two 2-pipe valve controls or one 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 9 mA, maximum 20 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation ( $\cos\phi = 0.8$ ) accord. with IEC 60947-4-1

AC3 6 A operation ( $\cos\phi = 0.45$ ) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W,  $\cos\phi \geq 0.6$

**Capacitive loads:** 10 AX, 140  $\mu\text{F}$

**Motors:** 1500 VA,  $\cos\phi \geq 0.6$

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 2x 6-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $> 1 \times 10^6$

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:**  $-5 \dots +45$  °C

**Storage temperature:**  $-25 \dots +55$  °C

**Transport temperature:**  $-25 \dots +70$  °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Dimensions (WxHxD):** 72x90x64 mm

**Contents:** With bus connecting terminal and cable cover.



## Hybrid Actuators



## SpaceLogic KNX Hybrid Switch Actuator REG-K/8x250/10 with manual mode



Version	Art. no.	
8 channels, white	<b>MTN6700-0108</b>	<b>New</b>

**For the Chinese market.**

For independent switching of 8 loads or for controlling up to 4 blinds/roller shutters, 2 fan coils with 3 levels, four 2-pipe valve controls or two 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 10 mA max. 22 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 250 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 8 channels: 3x 6-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 192 A/1.2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70 °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

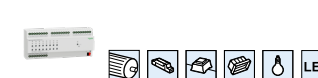
**Dimensions (WxHxD):** 72x90x64 mm

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



## SpaceLogic KNX Hybrid Switch Actuator REG-K/16x250/10 with manual mode



Version	Art. no.	
16 channels, white	<b>MTN6700-0116</b>	<b>New</b>

**For the Chinese market.**

For independent switching of 16 loads or for controlling up to 8 blinds/roller shutters, 4 fan coils with 3 levels, eight 2-pipe valve controls or four 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device. A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 10 mA max. 26 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 4x 8-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70 °C

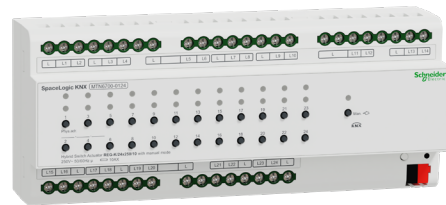
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Dimensions (WxHxD):** 216x90x64 mm

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



## SpaceLogic KNX Hybrid Switch Actuator REG-K/24x250/10 with manual mode



Version	Art. no.	
24 channels, white	MTN6700-0124	New

**For the Chinese market.**

For independent switching of 24 loads or for controlling up to 12 blinds/roller shutters, 6 fan coils with 3 levels, twelve 2-pipe valve controls or six 4-pipe valve control. All functions are freely configurable and can be operated manually with a switch on the device.

A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 12 mA max. 28 mA/24 V

**KNX power consumption:** < 840 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 10 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 6 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 2500 W

**Fluorescent lamp:** 2500 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 1100 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 900 W

**LED lamp:** 300 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 10 AX, 140  $\mu$ F

**Motors:** 1500 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection KNX:** Bus connection terminal

**Connection port mains:** screw terminal blocks, 5x 8-gang

**Relay data**

**Switching frequency at rated load:** Maximum 60 operation/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 320 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70°C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

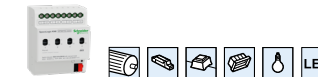
**Dimensions (WxHxD):** 216x90x64 mm

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



## SpaceLogic KNX Switch Actuator REG-K/4x250/20 with manual mode



Version	Art. no.	
4 channels, white	MTN6700-0304	New

**For the Chinese market.**

The actuator is used for switching 4 loads, or can be used as a 4-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded. For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 1x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 30 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25 ...+55 °C

**Transport temperature:** -25 ...+70°C

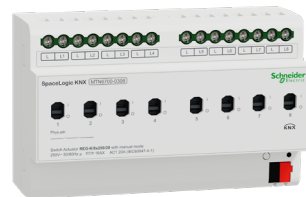
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Product dimensions (WxHxD):** 4 channels: 72 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



SpaceLogic KNX Switch Actuator REG-K/8x250/20 with manual mode



Version	Art. no.	
8 channels, white	<b>MTN6700-0308</b>	<b>New</b>

**For the Chinese market.**

The actuator is used for switching 8 loads, or can be used as a 8-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 2x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 8 channels 20 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25...+55 °C

**Transport temperature:** -25...+70 °C

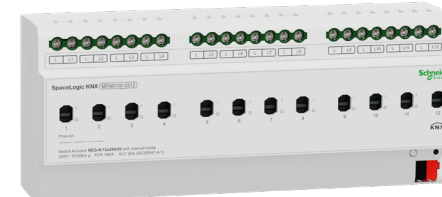
**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

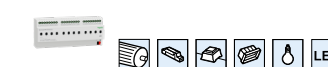
**Product dimensions (WxHxD):** 8 channels: 144 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

## Hybrid Actuators



SpaceLogic KNX Switch Actuator REG-K/12x250/20 with manual mode



Version	Art. no.	
12 channels, white	<b>MTN6700-0312</b>	<b>New</b>

**For the Chinese market.**

The actuator is used for switching 12 loads, or can be used as a 12-channel heating actuator for valves (without heating controller).

A green LED indicates readiness for operation after the application has been loaded.

For mounting on DIN rails TH35 according to EN61715. The bus connection is made via a bus connection terminal.

**General KNX software functions:** Live signal, enabling safety priority function, central control of switching/curtains function, sending delay after bus voltage recovery

**Switching actuator functions:**

Preset, Logic, Scene, Threshold, Safety, Forced, Locking, Central, Time function for each channel including delay, flashing and staircase timer, relay state after bus voltage failure/recovery/ETS download, object value of the Switch object after voltage recovery, status feedback for each channel

**Heating actuator functions**

PWM cycle time for continuous, 1 bit/1 byte control telegram, Valve protection, Safety, Locking, Forced, Cyclic surveillance, Operation as NC/NO, Valve position after bus voltage failure or recovery, Contact response value when contact is opened or closed

**Power supply:** KNX Bus

**Rated current:** 6.5 mA, max. 19 mA/24 V

**KNX power consumption:** < 600 mW

**Nominal voltage:** AC 250 V, 50/60 Hz

**Nominal power for each contact:**

AC1 20 A operation (cos  $\phi$  = 0.8) accord. with IEC 60947-4-1

AC3 16 A operation (cos  $\phi$  = 0.45) accord. with IEC 60947-4-1

**Incandescent lamp:** 4000 W

**Fluorescent lamp:** 4000 W

**Electronic transformer** for extra low voltage lamps (e.g. halogen lamps): 3000 W

**Iron core transformer** for extra low voltage lamps (e.g. halogen lamps): 2200 W

**LED lamp:** 750 W, cos  $\phi$   $\geq$  0.6

**Capacitive loads:** 20 AX, 200  $\mu$ F

**Motors:** 4000 VA, cos  $\phi$   $\geq$  0.6

**Minimum switching current:** 100 mA/12 V AC

**Connection port KNX:** Bus connection terminal

**Connection port Mains:** Screw terminal blocks, 3x8-gang

**Relay data**

**Switching frequency at rated load:** for one channel: 60 operations/min

for all channels: 12 operations/min

**Mechanical service life:**  $>1 \times 10^6$

**Inrush current:** 500 A/2 ms

**Protection type:** IP20

**Protection class:** II

**Insulation category:** Overvoltage category III, pollution degree 2

**Environmental conditions**

**Operating temperature:** -5...+45 °C

**Storage temperature:** -25...+55 °C






**Transport temperature:** -25...+70 °C

**Maximum humidity:** 93 %, no condensation

**Installation height:** As high as 2000 m above sea level

**Product dimensions (WxHxD):** 12 channels 216 x 90 x 64 mm

**Contents:** With bus connecting terminal and cable cover.

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W
<b>Article number</b>	 MTN6710-0102S	 MTN6710-0102		 MTN6810-0102	 MTN6710-0004
<b>KNX Secure certified</b> 	■	—			—
<b>Number of channels</b>	2	2		2	4
<b>Device width</b>	4 modules	4 modules		4 modules	8 modules
<b>Manual operation push-buttons</b>	■	■		■	■
<b>Connecting terminal (consumer load)</b>	Screw terminals	Screw terminals		Screw terminals	Plug-in screw terminals
<b>Nominal voltage</b>	AC 110 - 240 V 50/60 Hz	AC 110 - 240 V 50/60 Hz		AC 110 - 240 V 50/60 Hz	AC 110 - 130 V AC 220 - 230 V 50/60 Hz
<b>Halogen load at 230 V</b>					
■ Configuration of 4 channels	—	—		—	4 x 250 W/VA
■ Configuration of 3 channels	—	—		—	1 x 350 W/VA, 2 x 250 W/VA
■ Configuration of 2 channels	2x 350 W	2x 350 W		2x 350 W	2x350 W/VA (230V)
■ Configuration of 1 channel	1x 350 W	1x 350 W		1x 350 W	1x350 W/VA (230V)
<b>Minimum resistive load</b>	—	—		—	4 W
<b>Minimum resistive-inductive load</b>	—	—		—	25 VA
<b>Minimum resistive-capacitive load</b>	—	—		—	4 W
<b>Automatic load detection / leading edge (RL-LED, ESL, CFL)</b>	■ / ■	■ / ■		■ / ■	■ / ■
<b>Connection of different Phases</b>	■	■		■	■
<b>Relay for load separation</b>	—	—		—	■
<b>Input for extension unit operation, lockable (switching, staircase lighting function)</b>	—	—		—	—
<b>Software</b>					
<b>Manual operation enable/disable via bus</b>					■
<b>Dimming function</b>					
■ Minimum dimming value / Maximum dimming value	■ / ■	■ / ■			■ / ■
■ Starting behav. / Memory function / 50% brightness (ESL/CFL)	■ / ■ / ■	■ / ■ / ■			■ / ■ / ■
■ Dimming object switches channel	■	■			■
■ Value object switches channel	■	■			■
■ Same dimming time at central function and scenes	■	■			■
■ Delay times for ON and OFF	■	■			■
■ Base dimming curve with 3 thresholds	■	■			■
■ Dimming time reduction via object	■	■			■
■ 4 preconfigured dimming sets for the dimming time reduction*	■	■			■
<b>Staircase lighting function with/without manual OFF</b>					
■ Retriggerable	■	■			■
■ Not retriggerable	■	■			■
■ Time addable	■	■			■
■ Prewarn	■	■			■
<b>Scenes (1 byte)</b>					8
<b>Central function</b>	■	■			■
<b>Operating hours</b>	■	—			—
<b>Firmware update (USB/TP)</b>	■ / ■	■ / —			— / —





The software functions are provided by the master device

\*4 switchable speed sets with 6 values. This corresponds to 24 storable dimming speeds for: Switch on, switch off staircase timer, dim, values, scenes, higher priority functions.



## Dimming Actuators Overview

## Dimming Actuators Overview

	SpaceLogic KNX, Secure, Dimmer Master	SpaceLogic KNX Universal Dimming Master		SpaceLogic KNX Universal Dimming Extension	SpaceLogic KNX Universal dimming actuator LL REG-K/4x230/250 W	
<b>Article number</b>	 MTN6710-0102S	 MTN6710-0102		 MTN6810-0102	 MTN6710-0004	
<b>Firmware version visible in ETS application</b>	■	—			—	
<b>Higher priority function</b>	<ul style="list-style-type: none"> <li>■ Disable function</li> <li>■ Logic operation or priority function</li> </ul>	<ul style="list-style-type: none"> <li>■ Disable function</li> <li>■ Logic operation or priority function</li> </ul>			<ul style="list-style-type: none"> <li>■ Disable function</li> <li>■ Logic operation or priority function</li> </ul>	
<b>Logic operation</b>				The software functions are provided by the master device		
<ul style="list-style-type: none"> <li>■ AND, OR</li> <li>■ Switch object has an inverted impact to the logic operation</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>			<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>	
<b>Disable function</b>						<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>
<ul style="list-style-type: none"> <li>■ Behaviour of locking after bus voltage recovery</li> <li>■ Behavior at the start/end of the locking</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>				<ul style="list-style-type: none"> <li>■</li> <li>■</li> </ul>
<b>Behaviour of</b>						
<ul style="list-style-type: none"> <li>■ main voltage recovery</li> <li>■ bus voltage recovery</li> <li>■ download</li> <li>■ bus voltage failure</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> <li>—</li> </ul>			<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> <li>—</li> </ul>	
<b>Status messages</b>						
<ul style="list-style-type: none"> <li>■ Switch</li> <li>■ Brightness value</li> <li>■ Error</li> </ul>		<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> </ul>			<ul style="list-style-type: none"> <li>■</li> <li>■</li> <li>■</li> </ul>	

## Dimming actuators



## SpaceLogic KNX, Secure, Dimmer Master



Version	Art. no.
white	MTN6710-0102S

This device is KNX Secure certified.

Dimming actuator with 2 channels for switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX Secure compatible:** The actuator supports KNX Data Secure to protect the device from unauthorized access from the KNX bus. If the KNX secure device is programmed via the KNX bus, this is done with encrypted telegrams.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Dimmer actuator functions:** Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), operating hours, status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

**Switch/Blind actuator functions:** same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

**Supply voltage:** KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Dimmer type:** 3-wire, RC mode, RL mode, RL LED mode

**Power dissipation:** < 6 W

**Dimmer Outputs**

**Channels:** 2 (different phases possible)

**Nominal voltage:** AC 110 - 240 V, 50/60 Hz

**Nominal power:**

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

**Device width:** 4 modules = approx. 72 mm

**Accessories:** SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal



## SpaceLogic KNX Universal Dimming Master



Version	Art. no.
white	MTN6710-0102

Dimming actuator with 2 channels for switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

The Master automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

The number of dimming channels can be increased by connecting SpaceLogic KNX Universal Dimming Extensions. By connecting a SpaceLogic KNX Switch/Blind Extension, the Master's channels can be increased with Switch/Blind channels. A maximum of 2 Extensions can be connected to the Master. The Master controls the Extensions, their power supply and communication with the bus.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All dimming outputs can be operated manually using push-buttons (On/Off, Dimm UP/Down, LED mode/Automode, One/Two button operation).

Channel status display via LEDs. A green LED indicates readiness for operation.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**General KNX software functions:** Energy saving, device safety, device health, manual operation, PIN code for firmware update.

**Dimmer actuator functions:** Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

**Switch/Blind actuator functions:** same as SpaceLogic KNX Switch/Blind Master; only activated when a SpaceLogic KNX Switch/Blind Extension is connected.

**Supply voltage:** KNX bus, approx. 7.5 mA (Master), approx. 10 mA (Master + 1 Extension), approx. 12.5 mA (Master + 2 Extensions)

**Dimmer type:** 3-wire, RC mode, RL mode, RL LED mode

**Power dissipation:** < 6 W

**Dimmer Outputs**

**Channels:** 2 (different phases possible)

**Nominal voltage:** AC 110 - 240 V, 50/60 Hz

**Nominal power:**

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 W/VA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 W/VA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

**Device width:** 4 modules = approx. 72 mm

**Accessories:** SpaceLogic KNX Universal Dimming Extension MTN6810-0102, SpaceLogic KNX Switch/Blind Extension MTN6805-0008, SpaceLogic KNX Module Link MTN6941-0000, SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002.

**Contents:** With bus connecting terminal

## Dimming Actuators/Control Units



### SpaceLogic KNX Universal Dimming Extension



Version	Art. no.
white	<b>MTN6810-0102</b>

The SpaceLogic KNX Universal Dimming Extension is a dimming actuator that extends the channels of a SpaceLogic KNX Universal Dimming Master.

For independent control of up to 2 dimmable loads such as **dimmable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

The ETS programming is carried out in the ETS application of the Master. The Master controls the function of the Extension, the power supply and communication to the KNX bus. Channel status is displayed via LEDs on the Master's keypad.

With screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start. Different phases can be connected.

All outputs can be operated manually using push-buttons of the Master (On/Off, Dimm UP/Down, LED mode/Autmode, One/Two button operation).

A green LED indicates readiness for operation, a red manual operation LED shows whether the Extension is controlled manually. For installation on DIN rails TH35 according to EN 60715. The connection to the Master or another Extension is made either with a Module Link or with a Cable Link.

**Dimmer actuator functions:** Dimming operation by KNX, dimming operation by manual switch, enable/disable manual mode by bus, automatic dimming operating mode or special leading edge phase for RL LED mode, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, prewarning function), scenes (up to 16 internally stored brightness values can be retrieved), priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on bus voltage recovery/download

**Supply voltage:** via link interface

**Dimmer type:** 3-wire, RC mode, RL mode, RL LED mode

**Power dissipation:** < 6 W

**Dimmer Outputs**

**Channels:** 2 (different phases possible)

**Nominal voltage:** AC 110 - 240 V, 50/60 Hz

**Nominal power:**

220-240 V: Incandescent, HV, electronic/wounded transformers: 2x 350 WVA

220-240 V: LED lamp in RC mode: 2x 200 W, max. 1.3 A

220-240 V: LED lamp in RL mode: 2x 60 W, max. 0.5 A

110-127 V: Incandescent, HV, electronic/wounded transformers: 2x 200 WVA

110-127 V: LED lamp in RC mode: 2x 135 W, max. 1.5 A

110-127 V: LED lamp in RL mode: 2x 54 W, max. 0.6 A

**Device width:** 4 modules = approx. 72 mm

**To be completed with:** SpaceLogic KNX Universal Dimming Master MTN6710-0102

**Accessories:** SpaceLogic KNX Cable Link S MTN6941-0001, SpaceLogic KNX Cable Link L MTN6941-0002

**Contents:** With Module Link.

## Dimming Actuators/Control Units



### SpaceLogic KNX Cable Link S



Version	Art. no.
30 cm	<b>MTN6941-0001</b>

The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 30 cm

### SpaceLogic KNX Cable Link L



Version	Art. no.
150 cm	<b>MTN6941-0002</b>

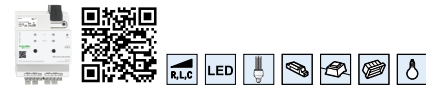
The Cable Link connects Master/Extension or Extension/Extension that are not placed directly next to each other on the DIN rail. Length: 150 cm

### SpaceLogic KNX Module Link



Version	Art. no.
	<b>MTN6940-0000</b>

The Module Link connects Master/Extension or Extension/Extension that are placed directly next to each other on the DIN rail.


**KNX universal dimming actuator LL REG-K/2x230/300 W**


Version	Art. no.
light grey	<b>MTN6710-0002</b>

**LED/ESL/CFL dimmer**

For switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

With integral bus coupler, screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start.

Different phases can be connected.

The dimmer actuator automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Dimming operation by KNX, dimming and emergency operation by manual switch, enable/block manual mode by bus, automatic dimming operating mode or leading edge phase for certain LED/ESL/CFL lamps, load separation possible in OFF state, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, memory function, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.

**Nominal voltage:** AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz

**Channels:** 2 (different phases possible)

**Nominal power:** 2 x 300 W/VA (230 V), 2 x 150 W/VA (110 V)

1 channel: 1 x 400 W/VA (230 V), 1 x 200 W/VA (110 V)

**Minimum load/channel:** 4 W (ohmic)

4 W (ohmic-capacitive)

25 VA (ohmic-inductive)

**Device width:** 4 modules = approx. 72 mm

**Note:** Information about the "Dimming LED lamps" can be obtained on the Internet at "Schneider-Electric dimmer test". <http://schneider-electric.dimmer-test.com>

**Contents:** With bus connecting terminal and cable cover.


**SpaceLogic KNX universal dimming actuator LL REG-K/4x230/250 W**


Version	Art. no.
light grey	<b>MTN6710-0004</b>

**LED/ESL/CFL dimmer**

For switching and dimming **dimnable LED lamps**, incandescent lamps, HV halogen lamps, LV halogen lamps using dimmable wound transformers or electronic transformers or dimmable compact fluorescent lamps.

**(leading and trailing-edge phases)**

With integral bus coupler, screw terminals, short-circuit, open circuit and excess temperature protection with soft start lamp start.

Different phases can be connected.

The dimmer actuator automatically recognises the connected load. This happens in the background when switching on. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected. No flickering of LEDs in switched-off state.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Dimming operation by KNX, dimming and emergency operation by manual switch, enable/block manual mode by bus, automatic dimming operating mode or leading edge phase for certain LED/ESL/CFL lamps, load separation possible in OFF state, various dimming curves and dimming rates, same dimming time, minimum/maximum dimming value, starting behaviour, memory function, 50% brightness when starting ESL/CFL lamp, dimming/value object switches channel, ON/OFF delay, staircase lighting function (with/without manual OFF function, non-/retriggerable, time accumulating, warning function), scenes (up to 8 internally stored brightness values can be retrieved), central function, logic operations (AND/OR) or priority control, disable function (behaviour of locking), status feedback (switching state, brightness value, fault), behaviour on mains voltage recovery/bus voltage recovery/download.

**Nominal voltage:** AC 110 - 130 V / AC 220 - 230 V, 50/60 Hz

**Channels:** 4 (different phases possible)

**Nominal power:** 4 x 250 W/VA (230 V), 4 x 125 W/VA (110 V)

3 channels: 1 x 350 W/VA and 2 x 250 W/VA (230 V), 1 x 175 W/VA and 2 x 125 W/VA (110 V)

2 channels: 2 x 350 W/VA (230 V), 2 x 175 W/VA (110 V)

**Minimum load/channel:** 4 W (ohmic)

4 W (ohmic-capacitive)

25 VA (ohmic-inductive)

**Device width:** 8 modules = approx. 144 mm

**Note:** Information about the "Dimming LED lamps" can be obtained on the Internet at "Schneider-Electric dimmer test". <http://schneider-electric.dimmer-test.com>

**Contents:** With bus connecting terminal and cable cover.




**Universal dimming actuator REG-K/4x230/150 W**


Version	Art. no.
light grey	<b>MTN649315</b>

AC 230 V, 50-60 Hz

For switching and dimming incandescent lamps, HV halogen lamps and LV halogen lamps using dimmable wound transformers or electronic transformers.

**(Phase control and phase alignment)**

With integral bus coupler, screw terminals, short-circuit, open-circuit and excess temperature protection with soft start function.

The dimming actuator automatically recognises the connected load. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Dimming operation via KNX, extension units and on the device, different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback.

**Nominal voltage:** AC 220 - 230 V, 50/60 Hz

**Nominal power/channel:** max. 150 W/VA

25 W minimum load (ohmic)

50 VA minimum load (ohmic/inductive/capacitive)

**Input (extension unit operation):** AC 230 V, 50/60 Hz (same phase as the dimming channels)

**Device width:** 6 modules = approx. 105 mm

**Extension unit operation:** Extension TELE insert MTN573998

**Contents:** With bus connecting terminal and cable cover.

**Universal dimming actuator REG-K/230/500 W**


Version	Art. no.
light grey	<b>MTN649350</b>

AC 230 V, 50-60 Hz

For switching and dimming incandescent lamps, HV halogen lamps and LV halogen lamps using dimmable wound transformers or electronic transformers.

**(Phase control and phase alignment)**

With integral bus coupler, screw terminals, short-circuit, open-circuit and excess temperature protection with soft start function.

The dimming actuator automatically recognises the connected load. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Dimming operation via KNX, extension units and on the device, different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback.

**Nominal voltage:** AC 220 - 230 V, 50/60 Hz

**Nominal power/channel:** max. 500 W/VA

25 W minimum load (ohmic)

50 VA minimum load (ohmic/inductive/capacitive)

**Input (extension unit operation):** AC 230 V, 50/60 Hz (same phase as the dimming channel)

**Device width:** 4 modules = approx. 72 mm

**Extension unit operation:** Extension TELE insert MTN573998

**Contents:** With bus connecting terminal and cable cover.


**Universal dimming actuator REG-K/230/1000 W**


Version	Art. no.
light grey	<b>MTN649310</b>

AC 230 V, 50-60 Hz

For switching and dimming incandescent lamps, HV halogen lamps and LV halogen lamps using dimmable wound transformers or electronic transformers.

**(Phase control and phase alignment)**

With integral bus coupler, screw terminals, short-circuit, open-circuit and excess temperature protection with soft start function.

The dimming actuator automatically recognises the connected load. Combinations of ohmic and inductive, or ohmic and capacitive loads can also be connected. Combinations of inductive and capacitive loads must not be connected.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Dimming operation via KNX, extension units and on the device, different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback.

**Nominal voltage:** AC 110-230 V  $\pm 10\%$

**Operating voltage:** min. AC 92 V - max. AC 253 V

**Mains frequency:** 50/60 Hz  $\pm 2\%$

**Nominal load**

**Ohmic loads:** AC 110 V /50 Hz, 14-480 W

AC 230 V /50 Hz, 30-1000 W

AC 110 V /60 Hz, 14-400 W

AC 230 V /60 Hz, 30-850 W

**Inductive/capacitive loads:** AC 110 V /50 Hz, 24-480 VA

AC 230 V /50 Hz, 50-1000 VA

AC 110 V /60 Hz, 24-400 VA

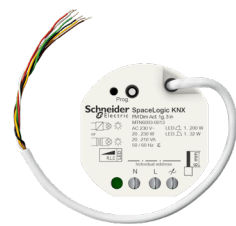
AC 230 V /60 Hz, 50-850 VA

**Input (extension unit operation):** AC 110-230 V, 50/60 Hz (same phase as the dimming channel)

**Device width:** 4 modules = approx. 72 mm

**Extension unit operation:** Extension TELE insert MTN573998

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Flush Mounted Universal Dimming Actuator 1g with 3 binary inputs



Version

Art. no.

MTN6003-0013

1-gang universal dimming actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the three inputs. Optionally, an NTC temperature sensor can be connected to the third input.

The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 10 m.

KNX Secure compatible

**KNX software functions: Dimming actuator function:**

Switching and dimming lamps. Switch on and dimming behaviour can be adjusted. Feedback of the switching state and the brightness value. "Soft ON", "Soft OFF" and time dimmer. Dimming or jumping to brightness values. Time-delayed switch off when a switch off brightness is not reached. Short circuit and load failure signal. 64 Scene function. Blocked operation via an object with parameterisable brightness value at the beginning and the end of blocking. Behaviour of the dimming actuator after bus voltage recovery.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers. Temperature, Brightness, Color temperature, Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

**Logic module:**

Logic operation, Converter, Blocking element, Comparator, Limit value

**Nominal voltage:** AC 230 V, 50/60 Hz

**Connected load at 25 °C**

**Incandescent/Halogen lamps:** AC 230 V, 20 to 230 W

**LV halogen lamps:** 20 to 210 VA, wounded transformer / 20 to 210 W, electronic transformer

**LED leading edge phase control:** AC 230 V, 20 to 210 W/VA

**LED trailing edge phase control:** AC 230 V, 20 to 230 W

**Connected load at 45 °C**

**Incandescent/Halogen lamps:** AC 230 V, 20 to 210 W

**LV halogen lamps:** 20 to 160 VA, wound transformer / 20 to 160 W, electronic transformer

**LED leading edge phase control:** AC 230 V, 20 to 160 W/VA

**LED trailing edge phase control:** AC 230 V, 20 to 210 W

**Inputs:** 3

**Dimensions:** 48x50x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)



## KNX universal dimming actuator FM 50-210 W/VA with 2 inputs



Version

Art. no.

MTN6003-0003

1-gang universal dimming actuator with two inputs for installation in a size 60 switch box. Floating contacts can be connected to the two inputs.

The inputs have already been assigned to the actuator at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

**KNX software functions: Dimming actuator function:**

Switching and dimming lamps. Switch on and dimming behaviour can be adjusted. Feedback of the switching state and the brightness value. "Soft ON", "Soft OFF" and time dimmer. Dimming or jumping to brightness values. Time-delayed switch off when a switch off brightness is not reached. Short circuit and load failure signal. Scene operation. Blocked operation via an object with parameterisable brightness value at the beginning and the end of blocking. Behaviour of the dimming actuator after bus voltage recovery.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V, 50/60 Hz

**Connected load**

**Ohmic load:** AC 230 V, 50 to 210 W

**Incandescent lamps:** AC 230 V, 50 to 210 W

**Halogen lamps:** AC 230 V, 50 to 210 W

**LV halogen lamps:** 50 to 210 W/VA, wound transformer

50 to 210 W, electronic transformers

**Inputs:** 2

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)

## Control units 1-10 V



## SpaceLogic KNX Control unit 0-10 V REG-K/1-gang with manual mode



Version	Art. no.
light grey	<b>MTN647091</b>

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

**Switch contact:** for switching the electronic ballasts/transformers

**Nominal voltage:** AC 100-240 V  $\pm 10\%$

**Operating voltage:** min. AC 90 V - max. AC 265 V

**Mains frequency:** 50-60 Hz  $\pm 10\%$

**Nominal current:** 16 A, inductive load  $\cos\phi = 0.6$

**Nominal load**

**Incandescent lamps:** AC 100 V, max. 1600 W

AC 230 V, max. 3600 W

AC 240 V, max. 3840 W

**Halogen lamps:** AC 100 V, max. 1086 W

AC 230 V, max. 2500 W

AC 240 V, max. 2608 W

**Fluorescent lamps:** AC 100 V, max. 1086 VA

AC 230 V, max. 2500 VA

AC 240 V, max. 2608 VA

parallel-compensated

**Capacitive load:** AC 100 V, max. 1600 W, 200  $\mu\text{F}$

AC 230 V, max. 3600 W, 200  $\mu\text{F}$

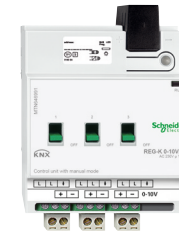
AC 240 V, max. 3840 W, 200  $\mu\text{F}$

**0-10 V interface:** 0.12-100 mA

**Voltage range:** DC 0-10 V

**Device width:** 2.5 HP = approx. 45 mm

**Contents:** With bus connecting terminal and cable cover.



## SpaceLogic KNX Control unit 0-10 V REG-K/3-gang with manual mode



Version	Art. no.
light grey	<b>MTN646991</b>

For connecting devices with 0-10 V interface to KNX. With integrated bus coupler and screw terminals (230 V) or plug-in screw terminals (0-10 V). Each individual 230 V switch output can be operated manually with a manual switch.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Different dimming curves and dimming speeds, the same dimming time, memory function, ON/OFF delay, staircase time function with/without manual OFF function, scenes (up to eight stored brightness values can be retrieved), central function, logic operation or priority control, blocking function, status feedback, behaviour on bus voltage recovery.

**Switch contact:** for switching the electronic ballasts/transformers

**Nominal voltage:** AC 230 V, 50-60 Hz

**Nominal current:** 16 A,  $\cos\phi = 0.6$

**Switching capacity:** AC 230 V, 3600 W,  $\cos\phi = 1$

**Capacitive load:** AC 230 V, 16 A, 200  $\mu\text{F}$

**Incandescent lamps:** AC 230 V, max. 3600 W

**Halogen lamps:** AC 230 V, max. 2500 W

**Fluorescent lamps:**

AC 230 V, max. 3600 VA, uncompensated

AC 230 V, max. 2500 VA, with parallel compensation

**LV-halogen lamps with wound transformer:** max. 2000 VA

**0-10 V interface:** 0.12-100 mA

**Voltage range:** DC 0-10 V

**Device width:** 4 HP = ca. 72 mm

**Contents:** With bus connecting terminal and cable cover.

## DALI gateways



## SpaceLogic KNX DALI Gateway Pro



Version	Art. no.
	<b>MTN6725-0101</b>

The SpaceLogic KNX DALI Gateway Pro controls electronic ballasts with DALI interface via the KNX installation bus. The gateway is DALI 2.0 multi-master certified.

The gateway supports KNX longframe communication and is compatible with KNX Security telegram/devices and can be enable in the ETS 5 software. In addition, access to the device itself (e.g. for a download) is protected by KNX Security

It supports ballasts according to EN 62386-102 ed1 (DALI1), devices according to EN 62386-102 ed2 (DALI2), as well as DALI2 motion sensors and light sensors according to EN 62386-303 and EN 62386-304.

The gateway has a DALI output which can control up to 64 ECGs. In addition, up to 8 DALI2 motion detectors or light sensors can be connected. Multi-master operation according to EN 62386-103 ed2 is permitted. The required power supply for the connected ECGs and motion sensors is provided directly from the device. Additional DALI power supplies are not required.

Per gateway the ECGs can be controlled in 16 groups. In addition to the group control the gateway also allows individual control of up to 64 ECGs.

In addition the gateway allows the operation of single battery emergency lights (EN 62386-202). Emergency lighting systems with central battery are also supported.

DALI commissioning and configuration, as well as group assignment and scene setting, can be carried out using:

- the device (display and operating buttons which can be optionally disabled),
- the DCA software,
- the integrated Web server

Functions:

- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP port
- Operating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

**KNX software functions:** Switching, dimming and value object per group or ECG. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Supply voltage:** AC/DC 100-240 V, 50-60 Hz

**Outputs:** DALI D+, D-, typical DC 18 V, short-circuit proof, max 250 mA, basic insulation (no SELV)

**Type:** Multi-Master Application Controller

**Supply current:** max. 250 mA, guaranteed 160 mA

**Interfaces:** KNX, RJ-45 Ethernet 100BaseT, DALI

**Wire range:** Supply 0.5-4 mm<sup>2</sup>, DALI: 0.4-4 mm<sup>2</sup>

**Type of protection:** IP 20

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal.



## KNX DALI gateway REG-K/1/16(64)/64/IP1



Version	Art. no.
	<b>MTN6725-0001</b>

The KNX DALI gateway connects KNX to the DALI bus. The gateway is a category I control device with an integrated DALI power supply for the ECGs (electronic ballasts / electronic control gear). The device is a Single-Master Controller according to EN 62386 ed/1 and ed/2. It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. Described features are related to Firmware V3.1.3 or higher with DCA and ETS application 7310 most earlier delivered devices can be upgraded

It supports the switching and dimming of up to 64 ECGs in 16 groups and the control up to 16 scenes. The 64 ECGs can be controlled individually or in groups. Error messages of individual ECGs or each connected lamp can be transmitted to the KNX and visualised.

DALI commissioning and configuration, as well as group assignment and scene setting, can be carried out using:

- the device (display and operating buttons which can be optionally disabled),
- the DCA software,
- the integrated Web server

**Web server functions:**

Access via the LAN network using a PC, PDA or web panel. Commissioning is also made easier using a WLAN adapter. The internal web pages can be used to start up the device, and to configure, operate and display all important functions.

Functions:

- Two separate user profiles with their own password for IP-webserver
- Effect module with 16 effects and a total of up to 500 commands
- Configuring: scenes, effects, service, maintenance, burn-in, operating hours
- Fast Firmware upgrade possible via IP port
- Operating: device, ECGs, groups and broadcast
- Colour control via KNX for broadcast and groups
- Displays: Status and error messages
- DT8-Colour control on the DALI side, up to 16 colour templates with up to 300 commands basing on a weekly timer
- DALI-scenes with brightness and colour values
- Scene number 1-64 can be flexible distributed over several devices
- Tunable white control to improve the environment for human beings. Colour control i.e. product presentation, advertising
- Possibility to lock the IP-port
- Possibility to access as User or Admin the web server
- Flexible post installation and a DCA with im- and export for DALI configuration
- Possibility to save ECG StandBy energy of DALI groups if switched OFF

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming and value object per group or ECG. Staircase timer function, status objects, delays between status feedbacks. Detailed error messages per EB and group. Test of DALI ECGs for emergency lighting with central battery or built-in battery with selectable test intervals with old or new format. Parallel broadcast triggering of all ECGs, switch-on/switch-off and colour control. Dimming speeds for relative dimming and dimming values. Dimming value max./min. Various modes (normal, permanent, night, panic). Operating hours counter and automatic burn-in per ECG.

**Supply voltage:** AC/DC 100-240 V, 50/60 Hz

**Outputs:** DALI D+, D-, DC 16-18 V (basic insulation, not SELV), max. 128 mA, short circuit-proof

**Interfaces:** KNX, Ethernet RJ-45, DALI

**Type:** Category I control device (single master)

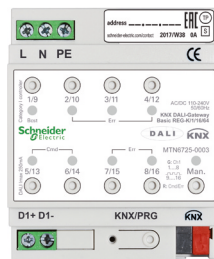
**Wire range:** Supply or DALI: 1.5-2.5 mm<sup>2</sup>

**Type of protection:** IP 20

**Device width:** 4 modules = approx. 72 mm

**Contents:** With bus connecting terminal.





## SpaceLogic KNX DALI Gateway Basic REG-K/1/16/64



Version

Art. no.

MTN6725-0003

The KNX DALI Gateway connects the KNX bus to 1 DALI output. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Application Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. It supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.

Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.

The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.

A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch.

(Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.

The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.

**Supply voltage:** AC/DC 100-240 V, 50-60 Hz

**Outputs:** 1x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)

**Output current:** max. 250 mA, min. 128 mA

**Interfaces:** KNX, DALI

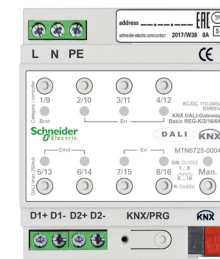
**Type:** Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible

**Wire range:** Mains supply or DALI: 1 - 2.5 mm<sup>2</sup>

**IP protection rating:** IP20

**Housing width:** 4 HP = approx. 69 mm

**Contents:** With bus connecting terminal.



## SpaceLogic KNX DALI Gateway Basic REG-K/2/16/64



Version

Art. no.

MTN6725-0004

The KNX DALI Gateway connects the KNX bus to 2 DALI outputs. The gateway is a category I DALI control device with an integrated DALI power supply for the ECGs. The device is a Single-Master Controller according to EN 62386 ed/1 and ed/2. Starting with firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 and is DALI-2.0 single master certified.

It is able to control DALI ECGs ed/1 and ed/2 -also mixed- but according to single-master controller it cannot support DALI-2 sensors like movement- and presence detectors, switches etc. For each DALI output, it supports the switching and dimming of up to 64 ECGs in 16 groups and the control of more than 16 scenes.

Different colour commands (e.g. white tone control, RGB, XY and HSV) can be interpreted by KNX push-buttons, for example, and DALI DT8 lights can be activated accordingly.

The operating hours meter logs the operating hours for the groups. Error messages from individual ECGs and groups can be transmitted via the KNX and visualised.

A colour control module allows up to 16 time switch functions for brightness and colour on a weekly basis, provided that the device is connected to a time update system. The up to 16 time programmes with up to 300 commands per DALI output can be enabled or disabled using KNX objects. DALI commissioning and configuration, group allocation and scene set-up can be carried out using the ETS application and an ETS app (DCA).

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Switching, dimming, value and colour objects per group, plus switching, value and colour objects for broadcast control. Staircase timer function with dimmed lights, also for advance warning and normal, continuous, night and panic modes. Differentiated error analysis per EB and group. Scenes with brightness and colour. Energy saving thanks to reduction in EB standby losses due to additional KNX switching actuator. The colour control module can be used to control brightnesses and colours based on a weekly time switch.

(Requirement: weekday and time synchronisation) Any time interval possible, up to 90 s.

The up to 16 time programmes can be controlled using KNX objects. Operating hours can be recorded and reset by group, and transmitted by group as an alarm if a threshold value is exceeded. The firmware can be updated using an FAT32-formatted Micro-SD card.

**Supply voltage:** AC/DC 100-240 V, 50/60 Hz

**Outputs:** 2x DALI D+, D-, typically 16 V DC, short-circuit proof max. 250 mA, basic insulation (no SELV)

**Output current:** max. 250 mA, min. 128 mA

**Interfaces:** KNX, DALI

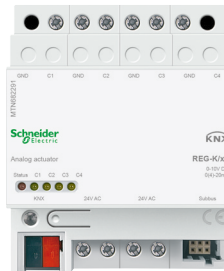
**Type:** Single Master application controller. From firmware version 0.2.6 the gateway is certified according to EN 62386-101/-103 ed2 -> DALI-2 compatible

**Wire range:** Mains supply or DALI: 1.5 - 2.5 mm<sup>2</sup>

**IP protection rating:** IP20

**Housing width:** 4 HP = approx. 69 mm

## Other actuators



- The devices have protection type IP 20 and can only be used indoors. Devices with a different type of protection are labelled separately.

## SpaceLogic KNX Analogue actuator REG-K/4-gang



Version	Art. no.
light grey	MTN682291

The output channels can be parameterised for different current and voltage signals to control different analogue variables (e.g. servomotors). The actuator has four analogue outputs. For use in connection with the analogue actuator module REG/4-gang, 8 analogue outputs are provided. Connections are made using the sub-bus.

With continuity checking of the current outputs.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**Auxiliary voltage:** AC 24 V (+/-10 %)

**Analogue outputs:** 4

**Current signals:** 0 ... 20 mA, 4 ... 20 mA

**Voltage signals:** 0 ... 1 V, 0.. 10 V

**Continuity checking:** 4 ... 20 mA

**Outputs:** DC 24 V, 100 mA (total)

**Device width:** 4 modules = approx. 72 mm

**In KNX, to be completed with:** SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Contents:** With bus connecting terminal and cable cover.

## Room temperature control unit, design-independent



## SpaceLogic KNX 4" Touch Unit



Version	Art. no.
glass	MTN6215-0410

glass	MTN6215-0410
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The 4" Touch unit is a room controller designed to be the center of the smart home. Premium materials and a high-quality display with built-in sensors offer a wide range of applications.

The slim design of the product fits perfectly into the modern concept of today's smart installations and architecture. The product can be used in both residential and commercial projects. The product has a modern, seamless user interface that provides an immersive experience every time it is used, with the display waking up simply by moving closer thanks to the proximity sensor.

The display has up to 9 screens that can display individual functions as widgets. This allows you to have different combinations of up to 6 widgets on each screen and effectively control all connected systems. You move between screens with a simple swipe, familiar from traditional smartphone use.

**User Interface functions:**

- Different UI theme style
- Screen saver
- Orientation indicator
- Proximity function triggered by object
- Setting the backlight in normal/night mode
- Setting the appearance of the screen

**Main functions**

- Brightness dimming
- RGB dimming
- RGBW dimming
- Colour temperature dimming
- Venetian blind position and slat
- Air conditioner control
- Room temperature control
- Ventilation control
- Audio control

**HVAC controller functions:**

- FCU controller: switching on/off (2-point control), switching PWM (PI control), continuous control (PI control)
- Floor heating controller
- Ventilation controller

General: Scene group function, 8 logic function channels (AND; OR, XOR, threshold comparator, format converter) each with 8 inputs

**Power supply from KNX:** DC 21-30 V approx. 24 V/3 mA

**Auxiliary Power supply:** DC 21-30 V approx. 24 V/85 mA

**Screen:** 10 cm (3.95") LCD, 480 x 480 pixels

**Measuring accuracy:** ±1 °C at 25 °C

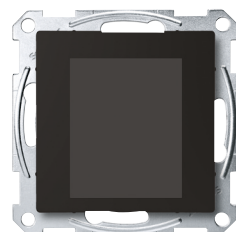
**IP protection rating:** IP 20

**Dimensions WxHxD:** 86 x 86 x 32 mm

**Accessories:** Dismantling protection MTN6270-0000

**Note:** Programmable with ETS5 and higher.

## Room temperature control unit System M



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-0310</b>

For System M.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

**ETS device functions:**

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Control unit/push-button:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

**Functions of the room temperature control unit:**

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

**Note: Programmable with ETS4 and higher.**

**Contents:** With bus connecting terminal and supporting plate.



## Push-button 2-gang plus with room temperature control unit



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6212-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6212-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6212-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6212-0414</b>
<input type="checkbox"/> aluminium	<b>MTN6212-0460</b>

For System M.

Convenient control unit with 4 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With 5 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the push-buttons:**

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

**Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

**Contents:** With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

## Room Temperature Control Units



## Push-button 4-gang plus with room temperature control unit



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6214-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6214-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6214-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6214-0414</b>
<input type="checkbox"/> aluminium	<b>MTN6214-0460</b>

For System M.

Convenient control unit with 8 operating buttons, operating and status display and labelling field. The operating display can also be used as an orientation light.

With room temperature control unit and display.

With integrated piezoelectric buzzer to display alarm states and IR receiver. All functions of the respective buttons can be controlled via IR remote control.

With 9 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

The push-buttons are freely parameterisable as push-button pairs (dual-surface) or as single push-buttons.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the push-buttons:**

Switching, toggling, dimming, blind control (relative or absolute), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams (distinction between short and long operation), pulse edges with 2-byte telegrams (distinction between short and long operation), 8-bit linear regulator, scene retrieval, scene saving, disable functions, timed control with synchronisation, notification functions, the cyclic reading of external temperature values, fan control, operating modes, move setpoints.

**Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Scene function.

Operation: Menu.

**Transmitter:** IR universal remote control MTN5761-0000

**To be completed with:** M-Smart frame, 2-gang without central bridge piece MTN4788.., M-Arc frame, 2-gang without central bridge piece MTN4858.., M-Star frame, 2-gang without central bridge piece MTN4668.., MTN4768.., MTN4868.., M-Plan frames, 2-gang without central bridge piece MTN4888.., MTN5158.., Metal frame, 2-gang without central bridge piece M-Elegance MTN4038.., Real glass frame, 2-gang without central bridge piece M-Elegance MTN4048..

**Contents:** With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.

## Room Temperature Control Units



## Room temperature control unit with display



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6241-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6241-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6241-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6241-0414</b>
<input type="checkbox"/> aluminium	<b>MTN6241-0460</b>

For System M.

KNX Room temperature control unit with display, labelling field, operation and status LED. The 4 buttons allow to shift set values and change operation modes.

With 5 red LEDs.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

**Functions of the push-buttons:**

Selection of 1- 4 operating modes each push-button. Move setpoint.

**Accessories:** Protective hood for plaster System M MTN627591

**Contents:** With bus connecting terminal and supporting plate.

Screw for protection against dismantling.

With protective hood for plaster.



## Room Temperature Control Units



### KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN616744</b>
<input type="checkbox"/> polar white, glossy	<b>MTN616719</b>
<input type="checkbox"/> active white, glossy	<b>MTN616725</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN616814</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN616860</b>

For System M.

The device is a room temperature control unit and a binary input. Depending on the operating mode, the current temperature setpoint value and the room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can either be recorded by the internal or the external temperature sensor which must be connected to the push-button interface.

The push-button interface generates an internal signal voltage for connecting max. four conventional push-buttons or floating contacts. Of these, two inputs can be used to connect low current LEDs.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

#### KNX software functions:

##### Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

#### Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs

Operating modes: comfort, comfort extension, standby, night economy, frost/heat protection

Operation: Setpoint adjustment can be parameterised in the range with adjusting wheel; presence push-button functions can be parameterised/switched off

Valve protection, controller disable

#### Push-button interface functions:

Switching, dimming, external blinds, valuator (dimming valuator, extension unit for light scenes with/without memory function, temperature valuator, brightness valuator).

**Push-button interface:** up to 4 inputs, 2 of which can be used as outputs and one for connecting the remote sensor.

**Output voltage:** 5 V (SELV)

**Output current:** max. 0.8 mA

**Max. cable length:** Inputs/outputs max. 5 m, remote sensor max. 50 m

**Accessories:** Remote sensor for room temperature control unit UP/PI MTN616790

### Remote sensor for room temperature control unit UP/PI



Version	Art. no.
black	<b>MTN616790</b>

Temperature sensor the floor/room temperature measurement

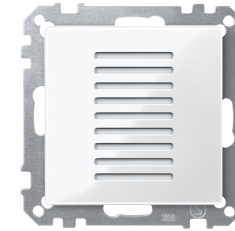
**Cable length:** 4 m (2 x 0.75 mm<sup>2</sup>)

**To be completed with:** KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface

System M MTN6167..., MTN6168..



## Room Temperature Control Units



### Room temperature control unit for properties



Version	Art. no.
<input checked="" type="checkbox"/> white, glossy	<b>MTN6221-0344</b>
<input type="checkbox"/> polar white, glossy	<b>MTN6221-0319</b>
<input type="checkbox"/> active white, glossy	<b>MTN6221-0325</b>
<input checked="" type="checkbox"/> anthracite	<b>MTN6221-0414</b>
<input checked="" type="checkbox"/> aluminium	<b>MTN6221-0460</b>

For System M.

KNX room temperature control unit for properties with integrated bus coupler. Depending on the operating mode, the current temperature setpoint value and the actual room temperature, a control value for the heating or cooling control unit is transmitted to the KNX. The temperature can optionally be measured by the internal or by an external bus temperature sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. Operating mode, nominal value, control function settings made only via the bus. The device does not have any operating and display elements.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

#### KNX software functions:

##### Functions of the room temperature control unit:

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

#### Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

Operation: only via bus telegrams.

**Contents:** With bus connecting terminal and supporting plate.

With protective hood for plaster.

## Room temperature control unit System D



## KNX Multitouch Pro



Version	Art. no.
	<b>MTN6215-5910</b>

For System D.

Comfortable room controller for controlling up to 32 room functions and the room temperature. All functions are displayed on a touch screen and are called up using simple finger movements. The user chooses from 3 interface designs that can be freely assigned to the room functions. The room temperature control can be shown in 2 different designs.

With room temperature control unit, display and connection for the remote sensor.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators.

**ETS device functions:**

- Switch-on behaviour of the user interface
- Proximity function: The display and the start screen only become visible when approached
- Gesture function: The device recognises a gesture (horizontal or vertical swipe movement) and triggers a function. In this way, the light can be switched on when you enter the room, for example.
- Cleaning mode: For a specific period of time, neither touches nor gestures are detected
- Adjusting the background lighting
- Setting the screen saver

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Control unit/push-button:**

Switching, toggling, dimming (single/dual-surface), blind (single/dual-surface), pulse edges trigger 1-, 2-, 4- or 8-bit telegrams, pulse edges with 2-byte telegrams, 8-bit linear regulator, scene retrieval, scene saving, signal function, fan control, operating modes, setpoint adjustment

**Functions of the room temperature control unit:**

Controller type: 2-step controller, continuous-action PI control, switching PI control (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby (ECO), night reduction, frost/heat protection

Move all setpoints. Save all setpoint temperatures and operating modes when reset. External temperature monitoring. Additional output of the control value as 1 byte value on the PWM.

Signal function for the actual temperature, valve protection function.

Scene function.

Operation: Touch display

**Accessories:** Dismantling protection MTN6270-0000

Remote sensor for universal room temperature control unit with touch display MTN5775-0003

Fixing frame for 3-module box MTN6270-0015

D-Life frame, 1-gang, for 3-module box MTN6010-65xx

**Note: Programmable with ETS4 and higher.**

**Contents:** With bus connecting terminal and supporting plate.



## Remote sensor for room temperature control unit UP/PI



Version	Art. no.
black	<b>MTN616790</b>

Temperature sensor the floor/room temperature measurement

**Cable length:** 4 m (2 x 0.75 mm<sup>2</sup>)

**To be completed with:** KNX Room temperature control unit, flush-mounted/PI with 4-gang push-button interface  
System M MTN6167..., MTN6168..

## Room temperature control unit Altira



## KNX Room temperature control unit with display



Version	Art. no.	
white	<b>ALB45154</b>	<b>Discontinued</b>
aluminium	<b>ALB46154</b>	<b>Discontinued</b>

2 modules

In Altira design.

KNX Room temperature control unit with display and 4 buttons. 2 buttons allow to shift set values and change operation modes, the other 2 buttons are used for navigation in the menu.

The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

**Functions of the push-buttons:**

Selection of 1- 4 operating modes each push-button. Move setpoint.

**Contents:** With bus connecting terminal.

## Room temperature control unit Unica



## KNX Room temperature control unit with display



Version	Art. no.
<input type="checkbox"/> white	<b>MGU3.534.18</b>
<input type="checkbox"/> ivory	<b>MGU3.534.25</b>

2 modules

In Unica design.

KNX Room temperature control unit with display and 4 buttons. 2 buttons allow to shift set values and change operation modes, the other 2 buttons are used for navigation in the menu. The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

Monitoring function for the actual temperature, valve protection function.

**Functions of the push-buttons:**

Selection of 1- 4 operating modes each push-button. Move setpoint.

**Contents:** With bus connecting terminal.

## Room temperature control unit Unica Top



## KNX Room temperature control unit with display



Version	Art. no.
<input type="checkbox"/> aluminium	<b>MGU3.534.30</b>
<input type="checkbox"/> graphite	<b>MGU3.534.12</b>

2 modules

In Unica Top design.

KNX Room temperature control unit with display and 4 buttons. 2 buttons allow to shift set values and change operation modes, the other 2 buttons are used for navigation in the menu. The room temperature control unit can be used for heating and cooling with infinitely adjustable KNX valve drives or to trigger switch actuators and heating actuators. With the white backlit display for showing e.g. the time, date, temperature and operating mode. Menu for setting default operating modes, setpoint value, working/non-working day (external trigger), display mode, time, switching times and brightness of the display.

With integrated bus coupler. The bus is connected using a bus connecting terminal.

**KNX software functions:****Functions of the room temperature control unit:**

Controller type: 2-step control, continuous PI controller, switching PI controller (PWM)

Output: continuous in the range 0 to 100% or switching ON/OFF

Controller mode:

- Heating with one controller output
- Cooling with one controller output
- Heating and cooling with separate controller outputs
- Heating and cooling with one controller output
- 2-step heating with 2 control outputs
- 2-step cooling with 2 control outputs
- 2-step heating and cooling with 4 control outputs

Operating modes: Comfort, comfort extension, standby, night reduction, frost/heat protection

Move all setpoints, save all setpoint temperatures and operating modes when reset, external temperature monitoring, additional output of the control value as 1 byte value on the PWM.

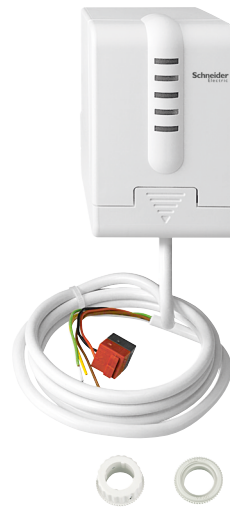
Monitoring function for the actual temperature, valve protection function.

**Functions of the push-buttons:**

Selection of 1- 4 operating modes each push-button. Move setpoint.

**Contents:** With bus connecting terminal.

## Devices for individual room temperature control



## KNX valve drive with status LED and 2 inputs



Version

Art. no.

MTN6921-0001

EMO valve drive for heating valves. The device has 2 inputs for window contacts or presence detectors for instance.

Valve lift display via red LEDs. With automatic valve lift detection. The valve drive can be connected directly to the KNX. A separate power supply is not required. With integrated bus coupler.

**Power consumption:** max. 10 mA

**Lift:** max. 7,5 mm

**Positioning force:** 120 N

**Type of protection:** IP 21

**Protection class:** III as per EN 60730

**Installation:** Snaps onto the valve adapter

**Dimensions:** (H x W x D) 82 x 50 x 65 mm

**Contents:** With 2 valve adapters (VA10/VA78).

**Note:** New Version (B) is available in Halogen and PVC free cable and housing.



## SpaceLogic KNX Valve Drive Controller



Version

Art. no.

white

MTN6730-0002

For actuation of electrothermal valve drives for heating or cooling ceilings. The valve drive controller has 6 electronic outputs. Up to 4 valve drives (230 V AC) or 2 valve drives (24 V AC) can be connected to each output. Both de-energized closed and de-energized opened valve drives can be connected.

In addition, the valve drive controller contains 6 integrated room temperature controllers (RTC) which operate independently of each other. The correcting variable outputs of these RTCs can be linked internally with the valve outputs, so that temperature control and valve actuation can be performed by a single bus device only, if required. In this case, no external room temperature controller (e.g. push-button with RTC) is required.

As the valve outputs can be controlled individually, an external RTC can also be used at any time.

The integrated room temperature controllers can send the correcting variable telegram to the bus and thus control other heating actuators or fan coil actuators.

The outputs are either switch activated (1 bit) or PWM signal (1 byte) activated. Each output is overload-protected and short-circuit-protected.

All outputs can be operated manually using push-button operation. Building site operation is possible.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions - valve:** valve activation (deenergised opened / closed) can be configured for each output, actuator evaluation as "Switching, 1-bit", "Constant, 1-byte" or "Constant 1-byte with actuator limiting value and hysteresis", status feedback, collective feedback of all valve states via 4-byte telegram, combined valve status via 1 byte, failure signal of the valve operating voltage can be configured, overload and short-circuit signal for each valve output, automatic valve rinsing, summer/winter switch-over for valve outputs, valve command value limit, forced position configurable, activation of service mode with defined valve position

**KNX software functions - RTC:** operating modes "Heating", "Cooling", "Heating and Cooling" each with or without additional level, configuration of the temperature setpoints as relative (derived from basic setpoint) or absolute (independent setpoint temperatures for each operating mode), PI control, PWM or switching 2-point feedback control, automatic or object-oriented switch-over between "Heating" and "Cooling", temporary or permanent setpoint shift through communication objects possible (e.g. via a controller extension), configurable step width of the setpoint shift (0.1 K / 0.5 K), calibration of the temperature values possible and measured value formation of the external sensors can be configured, separate or shared command value output in heating and cooling mode, floor temperature limit in heating mode, setpoint temperature limit in cooling mode, operating hours counter to record the switch-on times of the valve outputs

**Nominal voltage:** AC 110-230 V, 50/60 Hz

**Outputs:** 6, electronic AC 24 V / 230 V

**Switching current:** 5 ... 160 mA

**Switch-on current AC 230 V:** max. 1.5 A (2 s)

**Switch-on current AC 24 V:** max. 0.3 A (2 min)

**Number of valve drives:** max. 4 per output (230 V drives)  
max. 2 per output (24 V drives)

**Power consumption KNX:** max. 250 mW

**Device width:** 4 modules = approx. 72 mm

**Accessories:** Thermoelectric valve drive 230 V MTN639125

Thermoelectric valve drive 24 V MTN639126

**Contents:** With bus connecting terminal and cable cover.



## Room Temperature Control Units



## SpaceLogic KNX Fan Coil 0-10 V Controller



Version	Art. no.
white	<b>MTN6730-0003</b>

For heating, ventilation and air conditioning control. For controlling fan coils with up to three fan stages, optionally also with 0-10 V fan control, as well as for the control of proportional 0-10 V valves. The controller supports 2-pipe and 4-pipe systems.

The controller can measure and control the room temperature itself or receives the value from the Push-Button plus with TCU and behaves like an actuator.

One floating contact for window contacts or temperature sensor and one for condensate monitoring (e.g.).

Auxiliary relay for electric heating or cooling registers

Manual operation on the controller (fan speeds, switching between heating and cooling)

Adjustment of setpoint for cooling depending on outdoor temperature

Floating contact optionally for cooling or heating coil

With emergency program

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Fan control:**

Standard fan coil or fan coil with 0-10 V is supported. In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus with TCU. The three fan speeds and automatic mode can be switched via telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators. Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of a push-button.

**Valve control:**

Type of controller: P / PI controller

Controller mode: Heating and/or cooling with common or separate valve outputs.

Operating modes: Operating modes can be selected by object

**Power supply:** AC 100-240 V, 50-60 Hz

**Power consumption:** max. 1.7 W, stand-by <0.5 W

**Minimum load additional/fan relay:** 12 V, 100 mA

**Outputs:**

**Additional relay switching capacity:** 16 A

**Fan relay switching capacity:** 6 A

**Fan and valves:** 0-10 V, max. 10 mA

**Inputs:** 2, max. cable length 5 m

**Operation:** Key for fan levels and heating/cooling mode

**Displays:** 9 status LEDs

**Device width:** 4 modules = approx. 72 mm

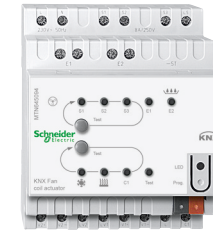
**Accessories:**

Push-button 2-gang plus with room temperature control unit System M MTN6212-03.. /-04..,

Push-button 4-gang plus with room temperature control unit System M MTN6214-03.. /-04..,

KNX Multitouch Pro System M MTN6215-03..., System D MTN6215-59..., System D MTN6216-5910

## Room Temperature Control Units



## SpaceLogic KNX Fan coil actuator REG-K



Version	Art. no.
light grey	<b>MTN645094</b>

For heating, ventilation and air conditioning control. For controlling fan convectors with up to three speeds, as well as for controlling three-step motor drives (continuous/pulse-width-modulated) or two-step thermal drives. The actuator supports 2-pipe and 4-pipe systems.

Two floating binary inputs for window contact and level contact for condensed water container, for example. Connection of 1-speed to 3-speed fans. The push-button plus with room temperature control can be used to activate the fan coil actuator.

With integrated bus coupler. For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions: Fan control:**

In automatic mode, the fan speeds are controlled dependently by the control value of the push-button plus. The three fan speeds and automatic mode can be switched via EIB telegram. The fan can be controlled either directly or via actuators / suitable dimming actuators.

Fan speed feedback is possible via corresponding status feedback objects e.g. status LED of the push-button. The fan speed as well as the automatic status "Auto" can be displayed on the display of the push-button plus with TCU.

**Valve control:**

Type of controller: PI controller (PWM and continuous).

Controller mode: Heating and/or cooling with common or separate valve outputs.

Operating modes: The operating mode is selected in the push-button plus with TCU.

**Power supply:** AC 230 V  $\pm 10\%$ , 50/60 Hz

**Power consumption:** max. 3 VA

**Outputs:** 3 floating contacts (fan coil), 2 semi-conductor switches (valve connections)

**Switching capacity for valves:** 0.5 A, AC 24V - 230 V

**Additional relay switching capacity:** 16 A

**Fan relay switching capacity:** 8 A

**Inputs:** 2, max. cable length 5 m

**Operation:** Key for fan levels and heating/cooling mode

**Displays:** 9 status LEDs

**Device width:** 4 modules = approx. 72 mm

**Accessories:** Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive

24 V MTN639126, Push-button 2-gang plus with room temperature control unit System M

MTN6212-03.. /-04.., Push-button 4-gang plus with room temperature control unit System M

MTN6214-03.. /-04..

## Room Temperature Control Units



## SpaceLogic KNX Heating actuator REG-K/6x24/230/0.16A



Version	Art. no.
	<b>MTN6730-0001</b>

For actuation of thermoelectric valve drives for heating or cooling ceilings. The heating actuator has 6 electronic outputs. Up to 4 valve drives can be connected to each output. The outputs are either switch activated (1 bit) or PWM signal (1 byte) activated. Each output is overload-protected and short-circuit-protected.

All outputs can be operated manually using push-button operation. Building site operation is possible.

For installation on DIN rails TH35 according to EN 60715. The bus is connected using a bus connecting terminal.

**KNX software functions:** Characteristics of valve drive (de-energised open/closed), PWM cycle time per channel, valve protection function per channel, cyclical monitoring of the control value per channel, operating hours counter, status indication per channel (nominal value, short circuit, overload, valve protection active, service mode, manual operation active, priority control active), summer and winter mode, locking each output in a forced position, behaviour on bus voltage failure and recovery, mains failure signal, group feedback, transmission of the largest 1 byte variable value.

**Nominal voltage:** AC 110-230 V, 50/60 Hz

**Outputs:** 6, electronic AC 24 V / 230 V

**Nominal current:** 0.05 ... 0.16 A, ohmic

**Switch-on current:** max. 1.5 A (2 s)

**Minimum load per used output:** 1 valve drive

**Number of valve drives:** max. 4 per output (230 V drives)

max. 2 per output (24 V drives)

**Device width:** 4 modules = approx. 72 mm

**Accessories:** Thermoelectric valve drive 230 V MTN639125

Thermoelectric valve drive 24 V MTN639126

**Contents:** With bus connecting terminal and cable cover.

## Room Temperature Control Units



## KNX heating actuator FM with 3 inputs



Version	Art. no.
	<b>MTN6003-0005</b>

1-gang heating actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the inputs.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

**KNX software functions: Heating actuator function:**

Can be controlled by a control value (1 bit or 1 byte). Status indication (1 bit or 1 byte).

Valve control (de-energised open/closed). Summer or winter mode can be selected. Cyclical monitoring of control value. Emergency mode and alarm signal. Priority control (forced setting for summer and winter mode with different values). Behaviour when bus voltage recovers and fails. Overload or short circuit signal. Control of the valve drives (switching or via PWM). Function to protect valves from sticking.

**Input function:**

Free assignment of the switching, dimming, blind and valuator functions. Locking object.

Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator.

Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V, 50/60 Hz

**Switch contact:** Triac

**Nominal current:** 5 to 25 mA, max. 2 valve drives

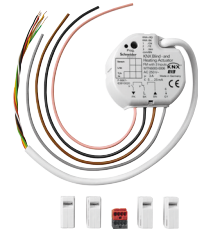
**Inputs:** 3

**Temperature range:** -5 °C to 45 °C

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)



#### KNX blind and heating actuator with 3 inputs



Version

Art. no.

**MTN6003-0006**

1-gang blind actuator and 1-gang heating actuator with three inputs for installation in a size 60 switch box. Floating contacts can be connected to the inputs.

The inputs have already been assigned to the actuator at the factory, enabling operation without programming.

Connection to 230 V via a flexible cable, approx. 20 cm long. The inputs and the KNX are connected via a 6-core, approx. 30 cm long, connecting cable. The connecting cable for the inputs can be extended to a max. of 5 m.

##### KNX software functions: Blind actuator function:

Operation mode: Blinds, roller shutters, awnings or ventilation flaps. Raising or lowering times with extension for the upper limit position. Status feedback of the position or of the slat position. Active/passive status feedback, cycl. status feedback function. Up to 5 safety functions (3 wind alarms, 1 rain alarm, 1 frost alarm). Cycl. monitoring. Sun protection function with fixed and variable positions. Shading controls with heating/cooling automatic mode and presence function. Behaviour when bus voltage fails/recovers. Status feedback delay after bus voltage recovery. Priority function. 8 Scene function. Memory function for scenes.

##### Heating actuator function:

Can be controlled by a control value (1 bit or 1 byte). Status indication (1 bit or 1 byte). Valve control (de-energised open/closed). Summer or winter mode can be selected. Cyclical monitoring of control value. Emergency mode and alarm signal. Priority control (forced setting for summer and winter mode with different values). Behaviour when bus voltage recovers and fails. Overload or short circuit signal. Control of the valve drives (switching or via PWM). Function to protect valves from sticking.

##### Input function:

Free assignment of the switching, dimming, blind and valuator functions. Locking object. Behaviour when bus voltage recovers.

Switching: two switch objects per input. Command on rising/falling edge (ON, OFF, TOGGLE, no reaction).

Dimming: Single surface and dual-surface operation. Time between dimming and switching and dim step values. Telegram repetition and send stop telegram.

Blinds: Command on rising edge (none, UP, DOWN, TOGGLE), Operation concept (Step - Move - Step or Move - Step). Time between short and long operation. Slat adjustment time.

Valuator and Scene ext. input: Edge (push-button as make contact, push-button as break contact, switch) and value on edge. Value adjustment via long push-button action for valuator. Scene ext. unit with memory function.

**Nominal voltage:** AC 230 V, 50/60 Hz

##### Blind output

**Switching current:** 3 A, AC1

##### Nominal output

**Motor:** AC 230 V, 600 VA

##### Heating output

**Switch contact:** Triac

**Nominal current:** 5 to 25 mA, max. 2 valve drives

**Inputs:** 3

**Temperature range:** -5 °C to 45 °C

**Type of protection:** IP 20

**Dimensions:** 53x53x28 (WxHxD)

**Note:** For installation in a double box or an electronic box (Kaiser). There must be a minimum gap of 4mm between the 230V connection and the connection for the KNX/Inputs (SELV)



#### Thermolectric valve drive 230 V



Version

Art. no.

polar white

**MTN639125**

Thermolectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil actuator REG-K or a room temperature control unit (230 V) with 2-step or PWM output. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

**Supply voltage:** AC 230 V, 50/60 Hz

**Starting current:** max. 350 mA for max. 100 ms

**Power consumption:** 1 W

**Lift:** approx. 4 mm

**Running time:** 3.5 min for 4 mm

**Positioning force:** 100 N ± 5 %

**Circulating medium temperature:** 0-100°C

**Type of protection:** IP 54 / II, in all installation positions

**Connecting cable:** 1 m, 2x0.75 mm<sup>2</sup> pluggable

**Dimensions:** 59.2x44.3x56 mm (HxWxD)

**To be completed with:** Room temperature control insert with switch MTN536302/04

**In KNX, to be completed with:** SpaceLogic KNX Heating actuator REG-K/6x24/230/0.16A

MTN6730-0001

SpaceLogic KNX Fan coil actuator REG-K MTN645094

KNX heating actuator FM with 3 inputs MTN6003-0005

KNX blind and heating actuator with 3 inputs MTN6003-0006

**Accessories:** Valve adapter VA50 for thermolectric valve drive MTN639150

Valve adapter VA78 for thermolectric valve drive MTN639178

Valve adapter VA80 for thermolectric valve drive MTN639180

## Room Temperature Control Units



### Thermoelectric valve drive 24 V



Version	Art. no.
polar white	<b>MTN639126</b>

Thermoelectric valve drive for opening and closing valves. For 2-step or PWM control of heating, air conditioning and ventilation systems, individual room control of surface heaters, control of heating circuit distributors, radiators, convector heaters, cooling ceilings. Operation is carried out by the heating actuator REG-K/6x24/230/0.16A, fan coil controller REG-K or a room temperature control unit (24 V) with 2-step or PWM output.

Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors.

- First-open function: The drive is factory-set to de-energised open. This allows the heating to be operated during the building shell phase.
- De-energised closed
- Functional display (open, closed, intermediate settings)
- Adjustment control
- Plug-in connecting cable
- Plug-in assembly

**Supply voltage:** AC/DC 24 V +20%/-10%, 0-60 Hz

**Starting current:** < 300 mA for max. 2 min

**Power consumption:** 1 W

**Lift:** approx. 4 mm

**Running time:** 3.5 min for 4 mm

**Positioning force:** 100 N ± 5%

**Medium temperature:** 0-100°C

**Type of protection/protection class:** IP 54 / II, in all installation positions

**Connecting cable:** 1 m, 2x0.75 mm² pluggable

**Dimensions:** 59.2 x 44.3 x 56 mm (HxWxD)

**To be completed with:** Room temperature control insert with switch MTN536302/04

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**In KNX, to be completed with:** SpaceLogic KNX Heating actuator REG-K/6x24/230/0.16A

MTN6730-0001 SpaceLogic KNX Fan coil actuator REG-K MTN645094

SpaceLogic KNX Power supply REG, AC 24 V/1 A MTN663529

**Accessories:** Valve adapter VA50 for thermoelectric valve drive MTN639150

Valve adapter VA78 for thermoelectric valve drive MTN639178

Valve adapter VA80 for thermoelectric valve drive MTN639180

## Room Temperature Control Units



### Valve adapter VA50 for thermoelectric valve drive



Version	Art. no.
	<b>MTN639150</b>

For Honeywell+Braukmann, Reich, Landis+Gyr, MNG, Cazzagniga. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors

**To be completed with:** Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

### Valve adapter VA78 for thermoelectric valve drive



Version	Art. no.
	<b>MTN639178</b>

For Danfoss RA. Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors

**To be completed with:** Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126

### Valve adapter VA80 for thermoelectric valve drive



Version	Art. no.
	<b>MTN639180</b>

For Heimeier, Herb, Onda, Schlösser (from 1993), Oventrop M30x1.5, TeSa.

Valve adapters permit compatibility with a variety of valve bodies and heating circuit distributors

**To be completed with:** Thermoelectric valve drive 230 V MTN639125, Thermoelectric valve drive 24 V MTN639126



Power supplies



SpaceLogic KNX Power supply REG, 24 V DC / 0.4 A



Version	Art. no.
light grey	MTN693003

Power supply for 24 V binary inputs.  
 For installation onto DIN rails EN 50022.  
 With integrated overload and short-circuit protection.  
 For installation on DIN rails TH35 according to EN 60715.  
**Primary supply:** AC 230 V, 48-63 Hz  
**Output voltage:** DC 24 V +/- 3 %  
**Output current:** max. 0.4 A  
**Output power:** max. 10 W  
**Device width:** 1 module = approx. 18 mm  
**For supplying power to:** Binary input REG-K/4x24 MTN644892, Binary input REG-K/8x24 MTN644792, KNX/IP router REG-K MTN680329



SpaceLogic KNX Power supply REG, AC 24 V/1 A



Version	Art. no.
light grey	MTN663529

Power supply for 24 V binary inputs, weather station REG-K/4-gang, analogue input module REG-K/4-gang, rain sensor, wind sensor with 0 - 10 V interface and heating, KNX/IP router REG-K.  
 With fuse.  
 For installation on DIN rails TH35 according to EN 60715.  
**Primary supply:** AC 230 V, +/- 10 %, 50-60 Hz  
**Output voltage:** AC 24 V  
**Output current:** max. 1 A  
**Fuse:** 5x20 mm, 250 V, T 160 mA  
**Device width:** 5 modules = approx. 90 mm  
**For supplying power to:** Binary input REG-K/8x24 MTN644792, SpaceLogic KNX Weather station REG-K/4-gang MTN682991, Rain sensor MTN663595, Wind sensor with 0-10 V interface and heating MTN663592, KNX/IP router REG-K MTN680329, Thermolectric valve drive 24 V MTN639126  
**Contents:** With spare fuse.

<b>A</b>					
ALB45150	106	LSS100200	53	MTN6185-0414	65
ALB45151	106	LSS100300	54	MTN6185-0460	65
ALB45152	106	LSS100400	26, 55	MTN6185-6033	81
ALB45153	123	LSS100410	26, 55	MTN6185-6034	81
ALB45154	219	LSS900100	34	MTN6185-6035	81
ALB46150	106			MTN6185-6036	81
ALB46151	106	<b>M</b>		MTN6185-6050	81
ALB46152	106	MGU3.530.12	109	MTN6185-6051	81
ALB46153	123	MGU3.530.18	108	MTN6185-6052	81
ALB46154	219	MGU3.530.25	108	MTN6191-6010	76
		MGU3.530.30	109	MTN6191-6034	79
		MGU3.531.12	109	MTN6191-6035	79
<b>C</b>		MGU3.531.18	108	MTN6191-6036	79
C2E616101_GY_C1	88	MGU3.531.25	108	MTN6191-6050	79
C2E616101_MB_C1	88	MGU3.531.30	109	MTN6191-6052	79
C2E616101_MB_C1B	88	MGU3.532.12	109	MTN6192-6010	77
C2E616101_WE_C1	88	MGU3.532.18	108	MTN6192-6034	80
C2E616101_WE_C1B	88	MGU3.532.25	108	MTN6192-6035	80
C2E616102_MB_C1	88	MGU3.532.30	109	MTN6192-6036	80
C2E616102_ST_C1	88	MGU3.533.12	124	MTN6192-6050	80
C2E616103_MB_C1	88	MGU3.533.18	123	MTN6192-6052	80
C2E616201_GY_C1	89	MGU3.533.25	123	MTN6193-6010	78
C2E616201_MB_C1	89	MGU3.533.30	124	MTN6193-6034	80
C2E616201_MB_C1B	89	MGU3.534.12	221	MTN6193-6035	80
C2E616201_WE_C1	89	MGU3.534.18	220	MTN6193-6036	80
C2E616201_WE_C1B	89	MGU3.534.25	220	MTN6193-6050	80
C2E616202_MB_C1	89	MGU3.534.30	221	MTN6193-6052	80
C2E616202_ST_C1	89	MTN5761-0000	44	MTN6194-6010	79
C2E616203_MB_C1	89	MTN5775-0003	61, 67, 86	MTN6194-6034	80
C2E616301_GY_C1	90	MTN6003-0001	152	MTN6194-6035	80
C2E616301_MB_C1	90	MTN6003-0002	153	MTN6194-6036	80
C2E616301_MB_C1B	90	MTN6003-0003	203	MTN6194-6050	80
C2E616301_MB_C1B	90	MTN6003-0004	176	MTN6194-6052	80
C2E616301_WE_C1	90	MTN6003-0005	227	MTN6212-0319	71, 213
C2E616301_WE_C1B	90	MTN6003-0006	177, 228	MTN6212-0325	71, 213
C2E616302_MB_C1	90	MTN6003-0011	151	MTN6212-0344	71, 213
C2E616302_ST_C1	90	MTN6003-0012	175	MTN6212-0414	71, 213
C2E616303_MB_C1	90	MTN6003-0013	202	MTN6212-0460	71, 213
C2E616401_GY_C1	91	MTN6005-0001	136	MTN6214-0319	72, 214
C2E616401_MB_C1	91	MTN6005-0011	135	MTN6214-0325	72, 214
C2E616401_MB_C1B	91	MTN6010-6534	87	MTN6214-0344	72, 214
C2E616401_WE_C1	91	MTN6010-6535	87	MTN6214-0414	72, 214
C2E616401_WE_C1B	91	MTN6010-6536	87	MTN6214-0460	72, 214
C2E616402_MB_C1	91	MTN6180-0319	66	MTN6215-0310	58, 67, 212
C2E616402_ST_C1	91	MTN6180-0325	66	MTN6215-0410	57, 64, 211
C2E616403_MB_C1	91	MTN6180-0414	66	MTN6215-5910	59, 85, 218
C2E621201_GY_C1	92	MTN6180-0460	66	MTN6216-5910	61, 86
C2E621201_MB_C1	92	MTN6180-6033	82	MTN6221-0319	217
C2E621201_MB_C1B	92	MTN6180-6034	82	MTN6221-0325	217
C2E621201_ST_C1	92	MTN6180-6035	82	MTN6221-0344	217
C2E621201_WE_C1	92	MTN6180-6036	82	MTN6221-0414	217
C2E621201_WE_C1B	92	MTN6180-6050	82	MTN6221-0460	217
CCT15860	144	MTN6180-6051	82	MTN6241-0319	215
CCT15861	144	MTN6180-6052	82	MTN6241-0325	215
		MTN6181-6035	83	MTN6241-0344	215
<b>L</b>		MTN6185-0319	65	MTN6241-0414	215
LSS100100	51	MTN6185-0325	65	MTN6241-0460	215

## Index

MTN6260-7760	56	MTN6730-0002	223	MTN619344	73
MTN6260-7770	56	MTN6730-0003	224	MTN619419	73
MTN6270-0000	60, 68, 84	MTN6805-0008	163, 180	MTN619425	73
MTN6270-0010	66	MTN6810-0102	196	MTN619444	73
MTN6270-0011	83	MTN6903-6014	62	MTN619519	74
MTN6270-0015	87	MTN6903-6019	62	MTN619525	74
MTN6300-0001	131	MTN6903-6060	62	MTN619544	74
MTN6300-0002	131	MTN6903-6114	63	MTN619619	74
MTN6300-0019	125	MTN6903-6119	63	MTN619625	74
MTN6302-6033	122	MTN6903-6160	63	MTN619644	74
MTN6302-6034	122	MTN6903-6214	63	MTN619719	74
MTN6302-6035	122	MTN6903-6219	63	MTN619725	74
MTN6302-6036	122	MTN6903-6260	63	MTN619744	74
MTN6302-6050	122	MTN6903-6300	62	MTN625114	73
MTN6302-6051	122	MTN6903-6301	62	MTN625160	73
MTN6302-6052	122	MTN6904-0001	137	MTN625199	73
MTN6303-0019	130	MTN6904-0002	137	MTN625214	74
MTN6304-0019	126	MTN6921-0001	222	MTN625260	74
MTN6305-0019	127	MTN6940-0000	163, 180, 197	MTN625299	75
MTN6354-0019	128	MTN6941-0001	163, 180, 197	MTN625414	73
MTN6355-0019	129	MTN6941-0002	163, 180, 197	MTN625460	73
MTN6500-0101	41	MTN296019	49	MTN625514	73
MTN6500-0103	41	MTN296025	49	MTN625560	73
MTN6502-0101	42, 48	MTN296044	49	MTN625614	74
MTN6502-0105	42, 48	MTN297914	49	MTN625660	74
MTN6503-0201	47	MTN297960	49	MTN625714	74
MTN6513-1201	37	MTN550619	133	MTN625760	74
MTN6513-1202	36	MTN616719	216	MTN625814	74
MTN6513-1203	36	MTN616725	216	MTN625860	74
MTN6600-0603	46	MTN616744	216	MTN627514	68
MTN6604-0001	139	MTN616790	216, 219	MTN627560	68
MTN6606-0008	143	MTN616814	216	MTN627591	70
MTN6606-0070	144	MTN616860	216	MTN627614	68
MTN6606-0073	143	MTN617119	68	MTN627660	68
MTN6700-0002	154	MTN617125	68	MTN627814	69
MTN6700-0004	157	MTN617144	68	MTN627860	69
MTN6700-0008	164	MTN617219	68	MTN627914	69
MTN6700-0012	167	MTN617225	68	MTN627960	69
MTN6700-0104	27, 183	MTN617244	68	MTN629993	150
MTN6700-0108	28, 184	MTN617419	69	MTN630419	134
MTN6700-0116	29, 185	MTN617425	69	MTN630425	134
MTN6700-0124	30, 186	MTN617444	69	MTN630444	134
MTN6700-0304	31, 187	MTN617519	69	MTN630614	134
MTN6700-0308	32, 188	MTN617525	69	MTN630660	134
MTN6700-0312	33, 189	MTN617544	69	MTN630719	132
MTN6705-0008	162, 179	MTN618319	69	MTN630760	132
MTN6705-0008S	24, 161, 178	MTN618320	69	MTN630819	132
		MTN618419	69	MTN630860	132
MTN6710-0002	198	MTN618420	69	MTN630919	133
MTN6710-0004	199	MTN619119	73	MTN630960	133
MTN6710-0102	195	MTN619125	73	MTN631619	121
MTN6710-0102S	25, 194	MTN619144	73	MTN631625	121
MTN6725-0001	207	MTN619219	74	MTN631644	121
MTN6725-0003	208	MTN619225	74	MTN631719	121
MTN6725-0004	209	MTN619244	74	MTN631725	121
MTN6725-0101	206	MTN619319	73	MTN631744	121
MTN6730-0001	226	MTN619325	73	MTN632515	120

## Index

MTN632519	120	MTN668990	39	NP16214_01WG	105
MTN632569	120	MTN668991	39	NP16214_01WG_E1	98
MTN632614	121	MTN670802	112	NP16260_0104	99
MTN632660	121	MTN670804	112	NU553018	107
MTN632714	121	MTN676090	45	NU553020	107
MTN632760	121	MTN677290	145	NU553030	107
MTN639125	229	MTN680204	43	NU553054	107
MTN639126	230	MTN680329	43	NU553118	107
MTN639150	231	MTN681799	49	NU553120	107
MTN639178	231	MTN681829	48	NU553130	107
MTN639180	231	MTN682191	142	NU553154	107
MTN639190	120	MTN682291	210		
MTN644492	113	MTN682991	138		
MTN644592	113	MTN683832	37		
MTN644692	115	MTN683890	38		
MTN644792	114	MTN683901	39		
MTN644892	114	MTN684032	37		
MTN644992	115	MTN684064	38		
MTN645094	225	MTN689701	44		
MTN646704	173	MTN689702	44		
MTN646808	160	MTN693003	232		
MTN646991	205				
MTN647091	204	<b>N</b>			
MTN647393	155	NP16161_01BK_E1	93		
MTN647395	156	NP16161_01MS	100		
MTN647593	158	NP16161_01SL	100		
MTN647595	159	NP16161_01SL_E1	93		
MTN647893	165	NP16161_01WG	100		
MTN647895	166	NP16161_01WG_E1	93		
MTN648493	168	NP16162_01BK_E1	94		
MTN648495	169	NP16162_01MS	101		
MTN648704	172	NP16162_01SL	101		
MTN649202	154	NP16162_01SL_E1	94		
MTN649204	157	NP16162_01WG	101		
MTN649208	160	NP16162_01WG_E1	94		
MTN649212	167	NP16163_01BK_E1	95		
MTN649310	201	NP16163_01MS	102		
MTN649315	200	NP16163_01SL	102		
MTN649350	200	NP16163_01SL_E1	95		
MTN649704	173	NP16163_01WG	102		
MTN649802	172	NP16163_01WG_E1	95		
MTN649804	174	NP16164_01BK_E1	96		
MTN649808	174	NP16164_01MS	103		
MTN649908	162, 163, 179, 180, 181, 195, 196, 197, 223	NP16164_01SL	103		
		NP16164_01SL_E1	96		
		NP16164_01WG	103		
MTN649912	182	NP16164_01WG_E1	96		
MTN663529	232	NP16212_01BK_E1	97		
MTN663591	140	NP16212_01MS	104		
MTN663592	140	NP16212_01SL	104		
MTN663593	142	NP16212_01SL_E1	97		
MTN663594	142	NP16212_01WG	104		
MTN663595	141	NP16212_01WG_E1	97		
MTN663596	141	NP16214_01BK_E1	98		
MTN663692	139	NP16214_01MS	105		
MTN663991	135	NP16214_01SL	105		
MTN668091	145	NP16214_01SL_E1	98		

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