

KNX - KNX Gen7 Deluxe occupancy detectors

PD2N-KNXs-OCCULOG-DX



white mat, similar to RAL9010 , Part No. 93530 white mat, similar to RAL9010 , Part No. 93531

Product Information

- KNX occupancy detector with integrated KNX bus connector
- Low installation depth
- 1 x light output (for regulating or switching), 1 x slave output, 3 x HVAC outputs (separately programmable)
- Intelligent semi-automatic mode, occupancy-independent regulating mode (photoelectric switch), full automatic mode
- Two logic modules
- Individual adaption of the PIR sensor sensitivity
- Mixed light measurement with internal and external light sensor
- Various locking functions
- Status LEDs can be activated / deactivated
- Programming button (phys. address) can be operated via remote control
- Regulation of up to three lighting groups using offset (external influence possible)
- Short presence, self-adjusting follow-up time, corridor function
- Recall of light scenes
- Temperature- and noise sensor
- Measurement of air quality based on volatile organic compounds (VOC)
- Up to 4 limit values possible
- Measurement of relative air humidity
- Up to 4 limit values possible
- All values can be sent to the bus and used for HVAC applications
- Controller for temperature, air quality and humidity
- HVAC mode (0=automatic, 1=comfort, 2=stand-by, 3=economy, 4=antifreeze/heat protection)
- 5 button remote control, programmable at choice (accessory)

- Occupancy simulation
- Detection area can be extended thanks to master-slave-mode
- Extensive optimization options for light measurement
- Measured light value is communicated to the bus
- IR remote control-capable via IR remote control (optionally)
- PIN code
- Manual influence via external KNX push buttons possible
- Function control (heartbeat, cyclical sending)
- Forced switch-off
- Intelligent central-off function
- Premonition of switch-off
- Behaviour upon bus voltage return definable at choice
- Variable safety pause after switching off the lights
- Parameterisation from ETS 5 for integration into KNX systems
- The product database for import into the ETS database can be downloaded from the B.E.G. homepage.
- Adaption of dimming curve
- Determination of the reflection factor, e.g. on a desk, with the optional BLE-IR-Adapter
- Burn-in function for fluorescent lamps selectable from 1h till 100h
- Soft-start
- Integrated Tunable White controller for human-centric lighting
- RGB control
- Spring-clamps
- Blinds
- **Typical applications:**
Offices, conference rooms, schools, nursery schools, hospitals

Technical Data

Voltage:	via KNX BUS
Dimensions:	FM= Ø 106 x 42 mm FC= Ø 83 x 55 mm
typ. power input:	12 mA
Detection area:	horizontal 360° (Ceiling mounting)
Range:	max. Ø 10 m across max. Ø 6 m towards max. Ø 4 m seated
Monitored area (tangential movement):	78 m² / 2.5 m mounting height
Mounting height min./max./recommended:	2 m / 5 m / 2.5 m
Degree / class of protection:	FM= IP20 / Class III FC= IP20 / Class III
Impact strength:	IK05
Temperature	-5 °C to +45 °C

measurement range:

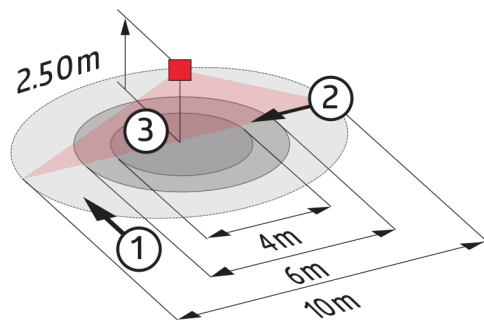
Ambient temperature:	-25 °C to +55 °C
Housing:	polycarbonate, UV-resistant
Number of light sensors:	2
Number of PIR sensors:	1
KNX TP 256:	Yes
Orientation light:	5 - 100 % / OFF / 1 min - 255 min
Night light:	5 - 100 %
Brightness set value:	5 - 2000 Lux

Description

Description	Colour	Part number	EAN number
PD2N-KNXs-OCCULOG-DX-FC	white mat, similar to RAL9010	93530	4007529935307
PD2N-KNXs-OCCULOG-DX-FM	white mat, similar to RAL9010	93531	4007529935314

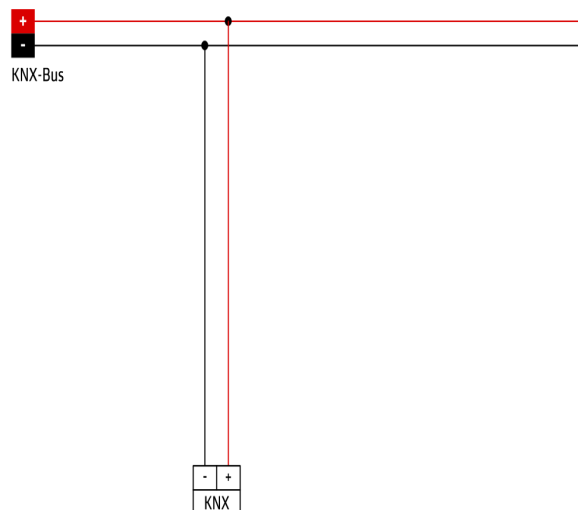
Accessory

Description	Colour	Part number	EAN number
BLE-IR-Adapter	black	93067	4007529930678
IR-PD-KNX	-	92123	4007529921232
IR-PD-KNX-Mini	-	93398	4007529933983
SM socle mounting set IP54 PD2N- / PD4N-FM	white	93307	4007529933075
Cover ring PD2N FC	black mat, similar to RAL9005	93773	4007529937738
Cover ring PD2N FC	traffic white mat, similar to RAL9016	93772	4007529937721
Cover ring PD2N FC	anthracite mat, similar to RAL7016	93771	4007529937714
Wire basket BSK (Ø 200 x 90 mm)	white	92199	4007529921997



Range diagram

- 1: Walking across
- 2: Walking towards
- 3: Seated activity



Wiring diagrams