



4126 31



4128 72



4128 73



4126 57



4128 72



4128 73

Technical information p. 107

Conform to EN 60730-1 and EN 60730-2-7
 Supply voltage : 230 V~ 50/60 Hz
 Mount on DIN rail EN 60715
 Text based programming. Programmable in 15 languages
 Programme directly on time switch keypad or remotely via a PC with Legrand AlphaSoft software, USB adaptor and data key
 Data key enables programmes to be transferred from one unit to another and for programmes to be stored
 EEPROM memory keeps programmes stored indefinitely
 Pin code facility to protect programmes from unauthorised changes
 Time switch accuracy : ± 0.1 second per day
 Zero-crossing switching
 Automatic summer/winter time correction
 5 years running reserve
 Back lit graphic display
 Operating temperature : -20°C to $+55^{\circ}\text{C}$
 Protection : IP 20
 Switching increment : 1 second
 Shortest switching time : 1 second

Pack	Cat. Nos.	AlphaRex ³	No. of 17.5 mm modules
1	4126 31	Weekly time switches 24h / 7 day programme time Particularly suited to irregular cycles (e.g. security installations and industrial installations) Random function to simulate presence - programmed switching cycles are shifted at random with a range of ± 15 minutes Additional functions : Operating hours counter (for max. 65,535 hours) 1 hour test Cycle function Holiday programme AlphaRex D21 230 V 24 hr / 7 day single channel 1 x 16 A output 56 programmes	2
1	4126 41	AlphaRex D22 230 V 24 hr / 7 day two channel 2 x 16 A outputs 2 x 28 programmes	2

Pack	Cat. Nos.	Accessories	No. of 17.5 mm modules
1	4128 72	Programming transfer key Enables programmes to be stored and / or transferred from one time switch to another when used with the programming software kit Cat. No. 4128 73 Data key can be stored directly within the time switch	
1	4128 73	Programming software kit Create and read programmes remotely via a PC Transfer programmes via transfer key Cat. No. 4128 72 to time switches Kit comprises : AlphaSoft 4-0 software, data loader and transfer key Windows [®] Vista compatible	

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Pack	Cat. Nos.	AlphaRex ³ Astro light control	No. of 17.5 mm modules
1	4126 54	Weekly time switches 24h / 7 day programme time Particularly suited to outdoor lighting and street signage applications Enables the daily astronomical calculation of sunrise and sunset by inputting local position or coordinates (no need to install a light sensor) Lights are switched ON and OFF according to sunrise and sunset times, and can be offset by up to ± 120 minutes in relation to sunrise and sunset times To save energy, it is also possible to programme an ON and OFF time at night Time saving programming due to pre-set groups of days : Mon-Sun, Mon-Fri, or Sat-Sun and individual selection of days Programmes are shown as a weekly matrix on the graphic display Additional functions : Operating hours counter (for max. 65,535 hours) 1 hour test. Holiday programme Expert mode for additional functions : Cycle function Control input (Cat. No. 4126 54 only) Mains synchronisation Channel switching AlphaRex Astro D21 230 V 24 hr / 7 day single channel 1 x 16 A output. 56 programmes AlphaRex Astro D22 230 V 24 hr / 7 day two channel 2 x 16 A outputs. 2 x 28 programmes	2
1	4126 57		2

Pack	Cat. Nos.	Accessories	No. of 17.5 mm modules
1	4128 72	Programming transfer key Enables programmes to be stored and / or transferred from one time switch to another when used with the programming software kit Cat. No. 4128 73 Data key can be stored directly within the time switch	
1	4128 73	Programming software kit Create and read programmes remotely via a PC Transfer programmes via transfer key Cat. No. 4128 72 to time switches Kit comprises : AlphaSoft 4-0 software, data loader and transfer key Windows [®] Vista compatible	

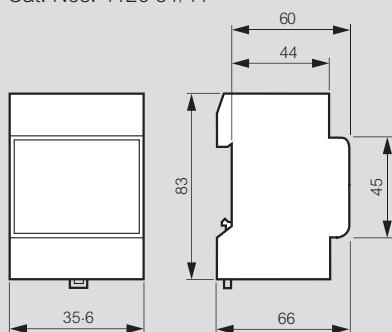
AlphaRex³ programmable time switches

digital for rail



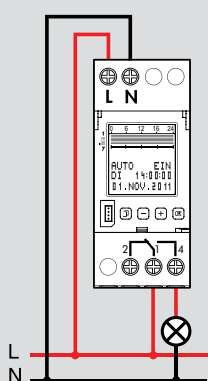
■ Dimensions (mm)

Cat. Nos. 4126 31/41

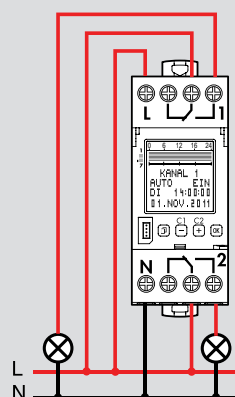


■ Wiring diagrams

Cat. No. 4126 31



Cat. No. 4126 41



■ General information

AlphaRex³ D21 Cat. No. 4126 31

- **Start-up** : after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current programme
- **Battery backup**
 - **Backlighting** not active
 - **Data key** READ/WRITE only via the menu

Select menu, back to main menu, Hold down > 1s = operating display

Confirm selection or load parameters

Select menu options or set parameters

Technical information

Type Cat. No.	AlphaRex ³ D21 4126 31	AlphaRex ³ D22 4126 41
Supply voltage	230 V~	
Frequency	50/60 Hz	
Programme	24 hour or 7 day	
No. of channels	1	2
Effective power consumption	Approx 1 W	ca 1.5 W
Switching capacity : cos φ = 1	16 A 250 V~	
Contact	1 changeover switch	2 changeover switches
Parallel compensation	600 W max, 70µF	
Switching step	1 second	
Min. switching time	1 second	
Accuracy	±0.1 seconds per day	
Terminal capacity	Single strand 1.5 to 4mm ²	
Programmes	56	28 per channel
Working reserve ¹	5 years	
Programme memory	EEPROM	
Summer/Winter time	Auto	
IP rating	IP 20	
No. of 17.5 mm modules	2	
Operating temp.	-20 °C to +55 °C	
Storage temp.	-20 °C to +60 °C	

1 : For time and date only

AlphaRex³ D22 Cat. No. 4126 41

- **Start-up** : after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current programme
- **Battery backup**
 - **Backlighting** not active
 - **Data key** READ/WRITE only via the menu

• **For safety** : when the time switch is connected to the mains supply the contact should not be used on an isolated low voltage supply and when the time switch is connected to the isolated voltage supply the contact should not be used on the mains supply

Select menu, back to main menu, Hold down > 1s = operating display

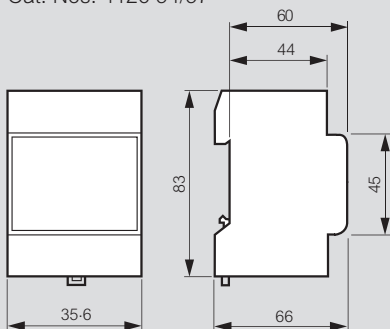
Confirm selection or load parameters

C1 C2
 • Select menu options or set parameters
• Channel selection



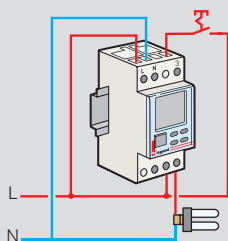
■ Dimensions (mm)

Cat. Nos. 4126 54/57

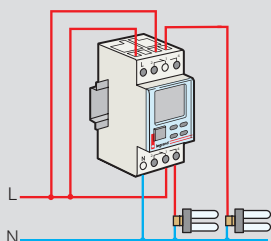


■ Wiring diagrams

Cat. No. 4126 54

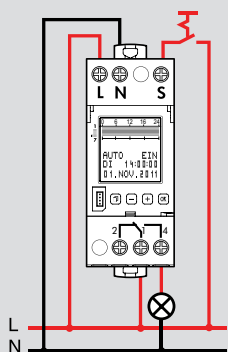


Cat. No. 4126 57

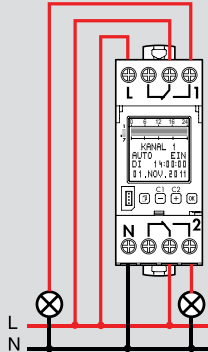


Output closing and breaking times are calculated based on the date, the actual time when the device was switched and on geographical coordinates of the actual location

Cat. No. 4126 54



Cat. No. 4126 57



■ General information

AlphaRex³ Astro D21 Cat. No. 4126 54

• **Start-up** : after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current programme

• **Battery backup**

- **Backlighting** not active
- **Data key** READ/WRITE only via the menu

Select menu, back to main menu, Hold down > 1s = operating display

Confirm selection or load parameters

Select menu options or set parameters

■ Technical information

Type Cat. No.	AlphaRex ³ Astro D21 4126 54	AlphaRex ³ Astro D22 4126 57
Supply voltage	230 V~	
Frequency	50/60 Hz	
Programme	24 hour or 7 day	
No. of channels	1	2
Effective power consumption	1 W	1.5 W
Switching capacity : cos φ = 1	16 A 250 V~	
Contact	1 changeover switch	2 changeover switches
Min. prog. setting	1 second	
Accuracy	±0.1 seconds per day	
Terminal capacity	Single strand 1.5 to 4mm ²	
Programmes	56	28 per channel
Control-cable length	Max. 50 m	
Control signal	230 V AC/2 mA	
Control-pulse duration	100 to 200 ms	
Delay time	0 to 23 h 59 min 59 s	
Local coordinates	Resolution 1°/1' in EXPERT-Mode	
Working reserve ¹	5 years	
Programme memory	EEPROM	
Summer/Winter time	Auto	
IP rating	IP 20	
No. of 17.5 mm modules	2	
Operating temp.	-20 °C to +55 °C	
Storage temp.	-20 °C to +60 °C	

1 : For time and date only

AlphaRex³ Astro D22 Cat. No. 4126 57

• **Start-up** : after applying the supply voltage, the time switch starts automatically with the last selected function. The relay position is set by the current programme

• **Battery backup**

- **Backlighting** not active
- **Data key** READ/WRITE only via the menu

• **For safety** : when the time switch is connected to the mains supply the contact should not be used on an isolated low voltage supply and when the time switch is connected to the isolated voltage supply the contact should not be used on the mains supply

Select menu, back to main menu, Hold down > 1s = operating display

Confirm selection or load parameters

C1 C2
 Select menu options or set parameters
 Channel selection