

TWILIGHT SWITCHES

paladin 972 413 pro



Overview

- Digital twilight switch with daily program
- 1 channel
- Adjustable lux threshold (1–1,000 Lux)
- Adjustable delay times
- Adjustable light-hysteresis
- 2 memory locations
- Integrated NFC
- Programmable via App (iOS and Android)
- 10 years battery-reserve
- Exchangeable battery (CR 2032)
- Switching capacity 16 A
- Manual permanent mode
- Manuelle override
- Fully automatic daylight saving time
- Easy handling
- Illuminated display
- Security by PIN-Code
- NFC programming (ISO 15693 Standard)

Highlights

- Ideal for modern lamps [LED, CFL, etc.]
- Complete switching program at a glance
- Exchangeable battery (CR 2032) with 10 years battery reserve
- Large, clear and illuminated display
- Easy handling
- Quick and intuitive programming
- Can be programmed with supply disconnected
- Programmable with NFC via smartphone (free Save'n carry App)

Order numbers

■ **paladin**
972 413 easy 1 channel version

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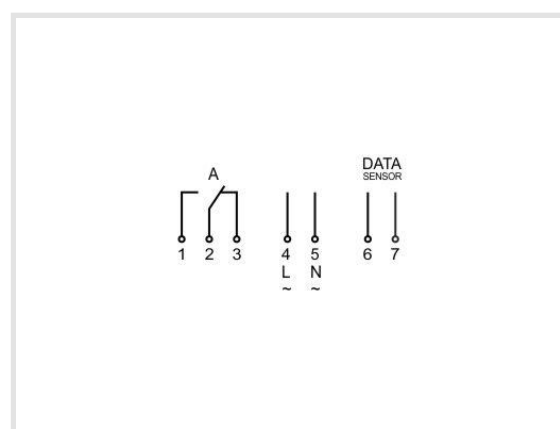
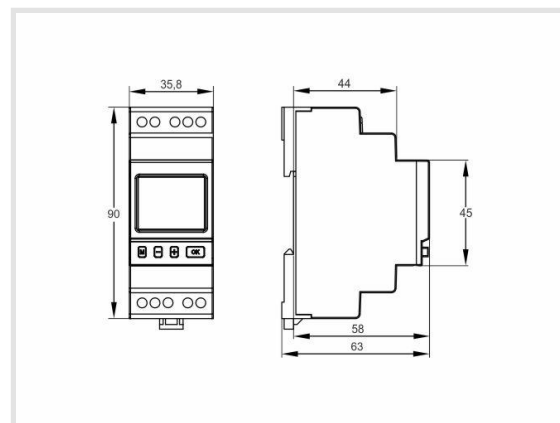
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Order information

	Voltage	EAN	Art. No.
972 413 easy	230 V 50-60 Hz	4022709230492	23049

Technical data

Supply voltage	230 V, 50–60 Hz
Power consumption (real power)	0,45–1,25 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity	
resistive load:	16 A / 250 V~ at cosφ=1
inductive load:	6 A bei at cosφ=0,6
Min. switching power	1.000 mW (10 V / 10 mA)
Max. starting current	50 A max. 20 ms
Filament Lamp, Halogen Lamp	2.000 W
Fluorescent Lamp uncompensated	1.000 W
Fluorescent Lamp series compensated	1.000 W
Fluorescent Lamp parallel compensated	550 W
CFL	200 W
LED (230 V~) (LED lamps > 5W)	200W
Switching functions	Lux; Night OFF; Night ON
Adjustable lux threshold	1–50.000 Lux
Adjustable delay times	00:01 bis 09:59 mm:ss
Adjustable light-hysteresis	1–200 Lux
Memory locations	2
Time base	Quartz
Quartz accuracy (at 20 °C)	≤ ±0,5 sec./day (Quartz accuracy optimized for typical ambient conditions)
Power back-up (at 20 °C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited
Display	iluminated LCD-display
Permitted ambient temperature	Sensor unit –30...+50 °C Control unit –30...+50 °C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 35 x 58 mm
Mounting	35 mm DIN-rail
Type of connection	Screw terminals (pull-up type)
Type of protection	Sensor unit IP 54 to DIN EN 60529 Control unit IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations
Minimum requirement	Android: from Version 4.4 iOS: from Version 13.2.3, Modell: from iPhone7
Accessories (free download)	Programmable with smartphone via NFC: App - Save`n Carry



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