

TWILIGHT SWITCHES

paladin 972 414 pro



Accessories



PP 50.00 pro



DK pro

Overview

- Digital twilight switch
- With weekly and yearly program
- DIN-rail mounting 35mm
- 1 channel
- Twilight switch with daily, weekly and yearly program
- Switch off by time and duration / Switch on by time and duration (e.g. for energy saving)
- Adjustable lux threshold (1–50,000 Lux)
- Adjustable delay times
- Adjustable light-hysteresis
- 60 memory locations
- 10 years battery-reserve
- Minimum interval 1 min.
- Switching capacity channel A = 16 A
- Up to 60 permanent switchings by date
- Manual permanent mode
- Manual override
- Automatic sorting of switching times on readout
- Fully automatic daylight saving time
- Elapsed time and pulse counter
- Advance warning function
- External input
- Security by PIN-Code
- Illuminated display
- PC-programmable
- Data-key function
- Text based menu
- Unlimited program security by E²-PROM

Highlights

- Ideal for modern lamps [LED, CFL, etc.]
- Yearly program with Easter function
- Up to 60 permanent switchings by date or with Easter function
- Display with a large dot matrix area to provide two high resolution text lines
- Easy handling
- Quick and intuitive programmable time switch
- Programmable with PC (Accessory Data-key DK pro and Programming package PP 50 pro / PP 60 pro)

Order numbers

■ **paladin**

972 414 pro 1 channel version
Special function:
External input

TWILIGHT SWITCHES

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Order information

	Voltage	EAN	Art. No.
972 414 pro	230 V 50-60 Hz	4022709230348	23034

Technical data

Supply voltage	230 V, 50–60 Hz
Power consumption (real power)	0,8–1,8 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3 mm (μ)
Contact material	AgSnO2
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
Filament Lamp, Halogen Lamp	2.000 W
Fluorescent Lamp with electron. lamp ballast	1.000 W
Fluorescent Lamp with convent. lamp ballast	750 W
LED (230 V~) / CFL	400 W
Switching functions	Lux; Night OFF; Day ON; yearly program
Adjustable lux threshold	1–50.000 Lux
Adjustable delay times	00:01 bis 59:59 mm:ss
Adjustable light-hysteresis	0–50%
Memory locations	60
Minimum interval	1 Min.
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 (E ² -PROM)
Display	high resolution LCD (visible area 7,5 cm ²)
Permitted ambient temperature	Sensor unit –30°...+55°C Control unit –30°...+55°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 nach DIN EN 60529 Control unit IP 20 nach DIN EN 60529
Class of protection	II when installed according to regulations
Accessories (not included in delivery)	Data-key DK pro, Programming package PP 50 pro / PP 60 pro

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