

DIGITAL ASTRO TIMERS

müller SC 18.13 easy - paladin 170 413 easy



Overview

- 1 channel
- Astro-daily-program
- Economical night program
- 4 memory locations
- Integrated NFC
- Programmable via App (iOS and Android)
- 10 years battery-reserve
- Exchangeable battery (CR 2032)
- Minimum interval 1 min.
- 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

- Complete switching program at a glance
- Exchangeable battery (CR 2032) with 10 years battery reserve
- Optimized own consumption: only 0.2 W in „standby“ mode
- Large, clear and illuminated display
- Easy handling
- Quick and intuitive programming
- Can be programmed with supply disconnected
- Unlimited program security by E2-PROM
- Programmable with NFC via smartphone (free Save'n carry App)

Intended Use

- The device fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc.
- Operate the device in a dry room only!
- The installation must be in accordance with the instruction manual.
- The device is not qualified for security relevant tasks such as emergency doors, fire protection equipment

Supply voltage versions

- 230 V, 50-60 Hz
- Other supply voltage versions on request

Order numbers

■ müller	■ paladin
SC 18.13 easy	170 413 easy 1 channel version NFC

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müller SC 18.13 easy - paladin 170 413 easy

Order information

	Voltage	EAN	Art. No.
SC 18.13 easy	230 V 50-60 Hz	4022709235886	23588
170 413 easy	230 V 50-60 Hz	4022709235909	23590

Other supply voltage versions on request

Technical data

Supply voltages	230 V, 50-60 Hz
Power consumption (real power)	0,2–1,0 W (depending on the switching status)
Channel (potential-free)	Change-over, contact gap < 3mm (μ)
Contact material	AgSnO ₂
Switching capacity per channel	
resistive load:	16 A / 250 V~ at cosφ=1
inductive load:	10 A / 250 V~ 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 > 5 W)	200 W
Switching functions	
Astro:	ON/OFF
Night:	ON/OFF
Memory locations	4
Minimum interval	1 min.
Time base	Quartz
Quartz accuracy (at 20 °C)	±0,5 sec./day (Quartz accuracy optimized for typical nambient conditions)
Power back-up (at 20 °C)	approx. 10 years (exchangeable battery CR 2032)
Program security	unlimited
Display	illuminated LCD-display
Permitted ambient temperature	-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)
T ype of protection	IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations
Mode of oeration (DIN EN 60730-1) (DIN EN 60730-2-7)	1 BSTU
Degree of contamination (DIN EN 60730-1)	2
Rated surge voltage (DIN EN 60730-1)	4 kV
Minimum requirement	Android: from version 4.4 iOS: from version 13.2.3, Model: from iPhone 7
Accessories (free download)	Programmable with smartphone via NFC: App - Save'n Carry

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