

# DIGITAL ASTRO TIMERS

müller SC 18.x4 easy - paladin 170 4x4 easy



## Overview

- 1 or 2 channels
- Daily and weekly program
- Astro program
- Economical night program
- Extra switching times
- 56 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 per channel
- Permanent by date and time / holiday function
- Manual permanent mode
- Manual override
- Automatic sorting of switching times on readout
- Fully automatic daylight saving time
- Elapsed time and pulse counter
- Easy handling
- Illuminated display
- Security by PIN-Code
- NFC programming (ISO 15693 Standard)

## Highlights

- Astro program
- Complete switching program of the present day 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 with one text line
- Easy handling
- Quick and intuitive programming
- Can be programmed with supply disconnected
- Unlimited program security by E2 -PROM
- Programmable with smartphone via NFC (free Save'n carry App)

## Supply voltage versions

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

## Order numbers

■ müller	■ paladin
SC 18.14 easy	170 414 easy 1 channel version NFC
SC 18.24 easy	170 424 easy 2 channel version NFC

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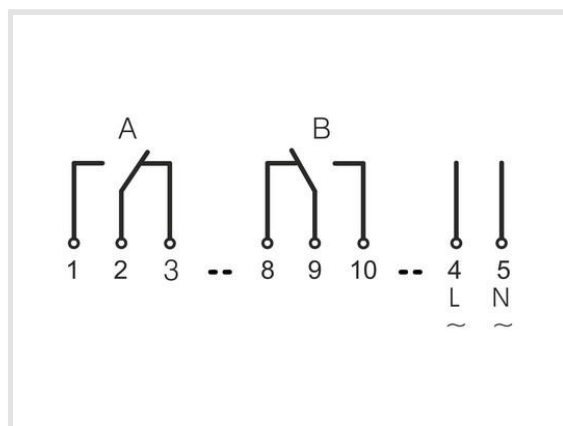
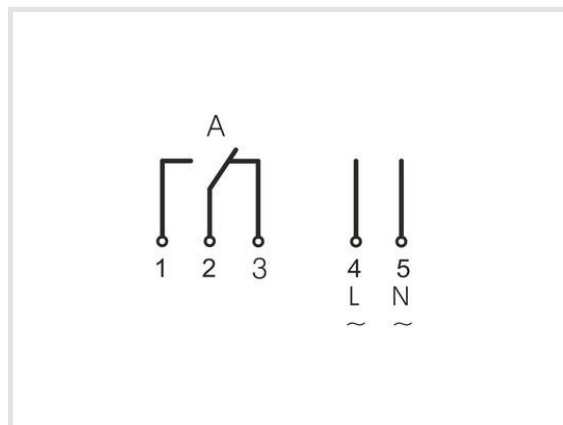
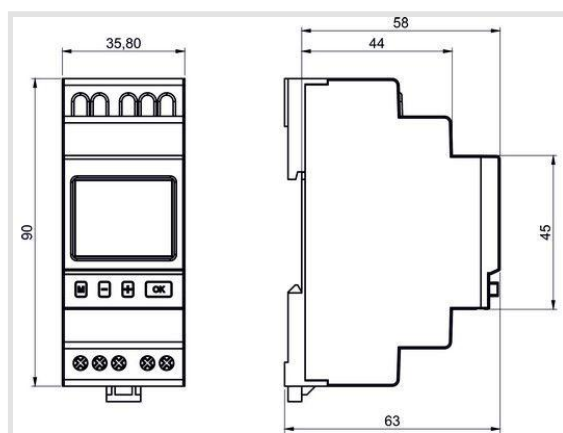
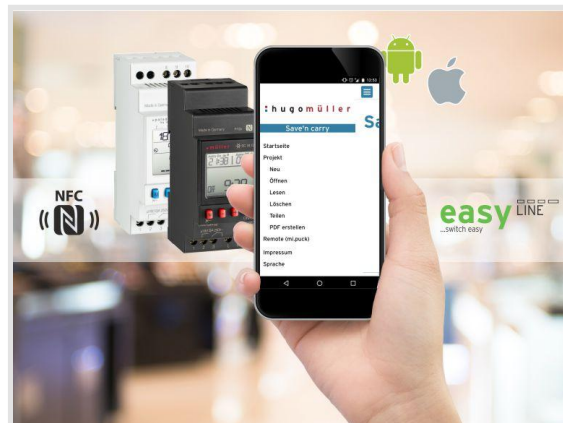
## Order information

	Voltage	EAN	Art. No.
<b>SC 18.14 easy</b>	230 V 50-60 Hz	4022709236364	23636
<b>SC 18.24 easy</b>	230 V 50-60 Hz	4022709236371	23637
<b>170 414 easy</b>	230 V 50-60 Hz	4022709236395	23639
<b>170 424 easy</b>	230 V 50-60 Hz	4022709236401	23640

Other supply voltage versions on request

## Technical data

Supply voltage	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 material	AgSnO <sub>2</sub>
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
Extra:	ON/OFF
Permanent	ON/OFF
Memory locations	56
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 (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)
Type of protection	IP 20 to DIN EN 60529
Class of protection	II when installed according to regulations
Mode of operation (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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