

## DIGITAL ASTRO TIMERS

paladin 173 113 easy



### Overview

- Time switch digital astro
- Flush-mounted fitting
- 1 channel
- Daily and weekly program
- Astro program
- Economical night program
- Extra switching times
- 56 memory locations
- 10 years battery-reserve
- Minimum interval 1 min
- Switching capacity 10 A per channel
- Permanent by date / holiday function
- Manual permanent mode
- Manual override
- Automatic sorting of switching times on readout
- Unrestricted block programming
- Fully automatic daylight saving time
- Elapsed time and pulse counter
- Security by PIN-Code
- Text based menu
- Easy handling
- Unlimited program security by E<sup>2</sup>-PROM
- Optimized Quartz accuracy for typical ambient conditions in standard installations
- Illuminated display
- NFC programming (ISO 15693 Standard)

### Highlights

- Astro program
- Complete switching program of the present day at a glance
- 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 E<sup>2</sup>-PROM
- Programmable with smartphone via NFC (free Android App)
- Ideal for modern lamps [LED, CFL, etc.]

### 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

■ paladin

173 113 easy 1 channel version

# DIGITAL ASTRO TIMERS

## paladin 173 113 easy

### 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 material	AgSnO <sub>2</sub>
Switching capacity resistive load:	10 A / 250 V~ at cosφ=1
inductive load:	10 A 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 uncompensated	1.000 VA
Fluorescent Lamp series compensated	1.000 VA
Fluorescent Lamp parallel compensated	550 VA
LED (230 V~) / CFL	200 W
Switching functions	
Astro:	ON/OFF
Night:	ON/OFF
Extra:	ON/OFF
Permanent	ON/OFF
Offset Astro switching time	+/-90min.
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 (depends on the Lithium-battery life)
Program security	unlimited
Display	illuminated LCD
Permitted ambient temperature	-30° ... +55°C
Housing	self-extinguishing thermoplastic
Colour:	
cover frame	Polarwhite (similar to RAL 9010)
adapter frame	
cover plate	
Mounting	Flush-mounting
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

Rights to technical amendments reserved / Technische Änderungen vorbehalten  
Droits de modifications techniques réservés / Suscettibile di errori e modifiche

