SC 08.13 *pro* astr-☼-
[paladin **172 113** *pro*]

- 1 channel
- Daily and weekly program
- Astro program
- Economical night program
- Extra switching times
- 60 memory locations
- 6 years battery-reserve
- Minimum interval 1 min.
- Switching capacity 16 A
- 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
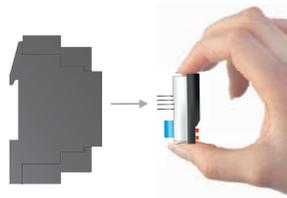- Elapsed time and pulse counter
- Security by PIN-Code

Accessory

Accessory: Programming package PP 50 *pro* / PP 60 *pro*
(not included in delivery of the time switch)

Further information

Removable programming module

**Programmable with
Programming package PP 50 *pro* / PP 60 *pro***
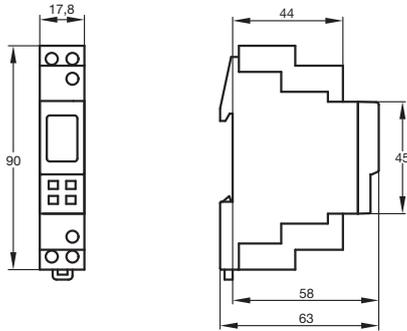
Highlights

- Astro program
- Removable programming module
- Text based menu and self-explanatory symbols
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected
- Unlimited program security by E²-PROM
- Programmable with PC (Accessory Data-key DK *pro* and Programming package PP 50 *pro* / PP 60 *pro*)

Digital astro

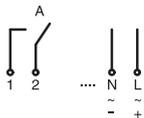basic **extended** premium

Digital time switch SC 08.13 *pro astr-☼-*
for DIN-rail mounting   [paladin **172 113** *pro*]

SC 08.13 *pro* / paladin **172 113** *pro*

Technical data

Supply voltages	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	1.0 W
Channel (potential-free)	Normally open, contact gap < 3 mm (µ)
Contact material	$AgSnO_2$ + W pre-make contact
Switching capacity	16 A / 250 V~ at cosφ=1 16 A with inductive load cosφ=0.6
Min. switching power	1,000 mW (10 V / 10 mA)
Max. starting current	165 A / 20 msec. (filament lamp) 800 A / 200 µsec. (fluorescent lamp)
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
Compact Fluorescent Lamp convent. lamp ballast	1,000 VA
Compact Fluorescent Lamp electron. lamp ballast	4 x electronic lamp ballast, power independent
LED (230 V~) / **CFL**	400 W
Switching functions	Astro ON/OFF; Night ON/OFF; Extra ON/OFF
Offset Astro switching time	+/– 90 min.
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. 6 years (depends on the Lithium-battery life)
Program security	unlimited (E^2-PROM)
Display	high resolution LCD
Permitted ambient temperature	–30°…+50°C
Housing	self-extinguishing thermoplastic
Dimensions	45 x 17.5 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)	1 BSTU
Degree of contamination (DIN EN 60730-1)	2
Rated surge voltage (DIN EN 60730-1)	4 kV
Accessories (not included in delivery)	Programming package PP 50 *pro* / PP 60 *pro*
Certification mark	VDE

Order number		Channel	Time base	Special function
▸ **SC 08.13** *pro* ▹ paladin **172 113** *pro*		1	Quartz	Removable programming module, Astro
▸▹ Housing colour				