



Save time

**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

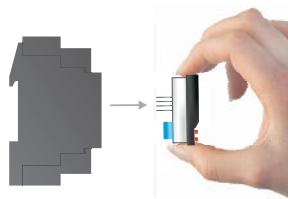
**Accessory**

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

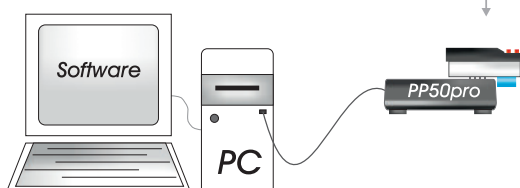


**Further information**

**Removable programming module**



**Programmable with Programming package PP 50 pro**



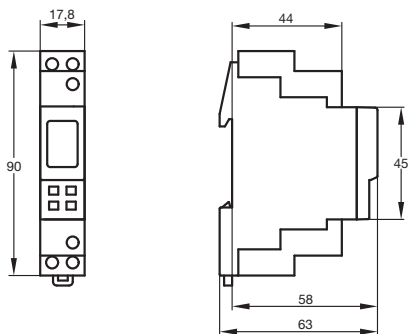
**Highlights**

- 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 E<sup>2</sup>-PROM
- Programmable with Programming package PP 50 pro (not included in delivery)

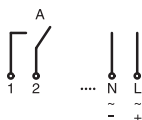
basic extended premium

# 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

<b>Supply voltages</b>	230 V, 50–60 Hz other voltages on request
<b>Power consumption (real power)</b>	1.0 W
<b>Channel (potential-free)</b>	Normally open, contact gap < 3 mm (μ)
<b>Contact material</b>	AgSnO <sub>2</sub> + W pre-make contact
<b>Switching capacity</b>	16 A / 250 V~ at cosφ=1 16 A with inductive load cosφ=0.6
<b>Min. switching power</b>	1,000 mW (10 V / 10 mA)
<b>Max. starting current</b>	165 A / 20 msec. (filament lamp) 800 A / 200 μsec. (fluorescent lamp)
<b>Filament Lamp</b>	2,000 W
<b>Halogen Lamp</b>	2,000 W
<b>Fluorescent Lamp uncompensated</b>	1,000 VA
<b>Fluorescent Lamp series compensated</b>	1,000 VA
<b>Fluorescent Lamp parallel compensated</b>	550 VA
<b>Fluorescent Lamp double switch</b>	1,000 VA
<b>Mercury Discharge Lamp uncompensated</b>	4 x 125 W, 2 x 250 W, 1 x 400 W, 1 x 700 W
<b>Mercury Discharge Lamp parallel compensated</b>	6 x 50 W (7 μF), 4 x 125 W (10 μF), 2 x 250 W (18 μF), 1 x 400 W (25 μF), 1 x 700 W (40 μF)
<b>Sodium Discharge Lamp uncompensated</b>	2 x 250 W, 1 x 400 W
<b>Sodium Discharge Lamp parallel compensated</b>	2 x 150 W (20 μF), 1 x 250 W (32 μF), 1 x 400 W (45 μF)
<b>Compact Fluorescent Lamp convent. lamp ballast</b>	1,000 VA
<b>Compact Fluorescent Lamp electron. lamp ballast</b>	4 x electronic lamp ballast, power independent
<b>Switching functions</b>	Astro ON/OFF; Night ON/OFF; Extra ON/OFF
<b>Offset Astro switching time</b>	+/- 90 min.
<b>Memory locations</b>	60
<b>Minimum interval</b>	1 min.
<b>Time base</b>	Quartz
<b>Power back-up (at 20°C)</b>	approx. 6 years (depends on the Lithium-battery life)
<b>Program security</b>	unlimited (E <sup>2</sup> -PROM)
<b>Quartz accuracy (at 20°C)</b>	≤ ±0.5 sec./day
<b>Display</b>	high resolution LCD
<b>Permitted ambient temperature</b>	-30°...+50°C
<b>Enclosure</b>	self-extinguishing thermoplastic
<b>Dimensions</b>	45 x 17.5 x 58 mm
<b>Distribution board mounting</b>	35 mm DIN-rail (DIN EN 60715)
<b>Type of connection</b>	Screw terminals (pull-up type)
<b>Type of protection</b>	IP 20 to DIN EN 60529
<b>Class of protection</b>	II when installed according to regulations
<b>Accessories (not included in delivery)</b>	Programming package PP 50 <i>pro</i>
<b>Certification mark</b>	VDE

Order number	Channel	Time base	Special function
SC 08.13 <i>pro</i> ✓ paladin 172 113 <i>pro</i>	1	Quartz	Removable programming module, Astro
✓ Housing colour			