



reddot design award
honourable mention 2009

SC 18.10 *pro*

[paladin 170 410 *pro*]

- 1 channel
- Daily and weekly program
- 30 memory locations
- 10 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
- Pulse function
- Security by PIN-Code

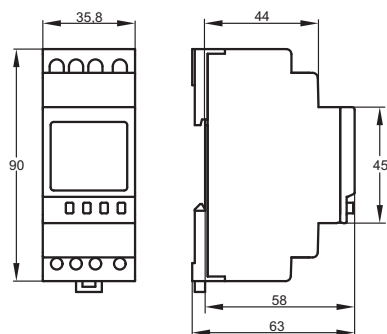
Comparable products ...

SC 28.x1 *pro* / paladin 172 4x1 *pro* with additional features:
1 or 2 channel version (change-over), 46 memory locations,
data-key function, illuminated display

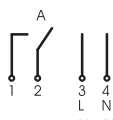
Highlights

- Text based menu and self-explanatory symbols
- Display with two text lines
- Easy handling. Quick and intuitive programmable time switch
- Can be programmed with supply disconnected
- Unlimited program security by E²-PROM

Digital time switch SC 18.10 *pro* [paladin 170 410 *pro*] for DIN-rail mounting



SC 18.10 *pro* / paladin 170 410 *pro*



Technical data

Supply voltage	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	0.8–1.3 W (depending on the switching status)
Channel (potential-free)	Normally open, contact gap < 3 mm (μ)
Contact material	AgCdO
Switching capacity	16 A / 250 V~ at cosφ=1 6 A with inductive load cosφ=0.6
Min. switching power	500 mW (10 V / 5 mA)
Max. starting current	30 A
Filament Lamp	1,000 W
Halogen Lamp	1,000 W
Fluorescent Lamp uncompensated	500 VA
Fluorescent Lamp series compensated	500 VA
Fluorescent Lamp parallel compensated	300 VA
Fluorescent Lamp double switch	500 VA
Mercury Discharge Lamp uncompensated	2 x 125 W, 1 x 250 W
Mercury Discharge Lamp parallel compensated	3 x 50 W (7 μF), 2 x 125 W (10 μF), 1 x 250 W (18 μF)
Sodium Discharge Lamp uncompensated	1 x 150 W
Compact Fluorescent Lamp convent. lamp ballast	500 VA
Compact Fluorescent Lamp electron. lamp ballast	2 x electronic lamp ballast, power independent
Switching functions	ON, OFF, pulse
Pulse length Pulse function (switching time)	00:01 up to 59:59 mm:ss
Memory locations	30
Minimum interval	1 min.
Time base	Quartz crystal
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -PROM)
Quartz crystal accuracy (at 20°C)	≤ ±0.5 sec./day (in normal use)
Display	high resolution LCD (visible area 7.5 cm ²)
Permitted ambient temperature	–30°...+55°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 35 x 58 mm
Distribution board mounting	35 mm DIN-rail (DIN EN 60715)
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
Certification mark	VDE

Overview time switch functions

	Switching time	Channel-key
ON/OFF	✓	✓
Permanent	✓	✓
Pulse	✓	
Timer		
Cycle		
Astro		
Permanent by date	✓	
Yearly program		

Order number	Channel	Time base
SC 18.10 <i>pro</i> / paladin 170 410 <i>pro</i>	1	Quartz

✓ Housing colour