

year



SC 98.x0 *pro*

[paladin 179 6x0 *pro*]

- 1, 2, 3, or 4 channels
- Daily, weekly and yearly program
- 300 memory locations
- 10 years battery-reserve
- Minimum interval 1 min.
- Switching capacity 10 A per channel
- Up to 300 permanent switchings by date
- 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
- Cycle function
- Timer function
- External input function
- Channel button function
- DCF function
- Security by PIN-Code
- Illuminated display
- Data-key function

Further information / Accessory

Accessory: Data-key DK *pro*
and programming package PP 50 *pro*
(not included in delivery of the time switch)



Accessory: Radio Receiver DCF-Time FU 20.00 *pro*
(not included in delivery of the time switch)



Accessory: Radio Receiver GPS-Time FU 3x.00 *pro*
(not included in delivery of the time switch)

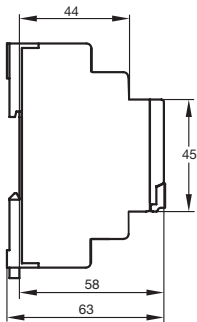
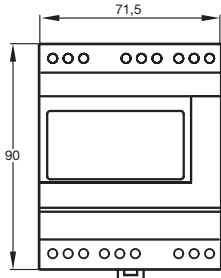


Accessory: Mini terminal box 4PLE – 70 mm, for wall mounting
(not included in delivery of the time switch)

Highlights

- Yearly program with Easter function, Weekday function and Extra-switching-time function
- Up to 300 permanent switchings by date or with Easter function
- Text based menu and self-explanatory symbols
- Display with a large dot matrix area to provide two high resolution text lines
- 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*)

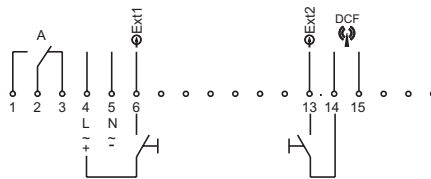
Digital time switch SC 98.x0 *pro* [paladin 1796x0 *pro*] for DIN-rail mounting



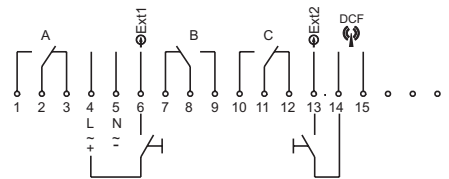
Technical data

Supply voltages	230 V, 50–60 Hz other voltages on request
Power consumption (real power)	1.2–3.2 W (depending on the switching status)
Channels (potential-free)	Change-over, contact gap < 3 mm (μ)
Contact material	AgSnO ₂
Switching capacity per channel	10 A / 250 V~ at cosφ=1 6 A with inductive load cosφ=0.6
Min. switching power	1,000 mW (10 V / 10 mA)
Max. starting current	50 A
Switching functions	ON; OFF; pulse; cycle; yearly program
Pulse length Pulse function (switching time)	00:01 up to 59:59 mm:ss
Pulse length Timer (man. switching)	0:00:01 up to 9:59:59 h:mm:ss
Pulse/Pause length Cycle	0:00:01 up to 9:59:59 h:mm:ss
Memory locations	300
Minimum interval	1 min.
Time base	Quartz or DCF / GPS (FU 20.00 <i>pro</i> / FU 3x.00 <i>pro</i>)
Power back-up (at 20°C)	approx. 10 years (depends on the Lithium-battery life)
Program security	unlimited (E ² -PROM)
Quartz accuracy (at 20°C)	≤ ±0.5 sec./day
Display	high resolution LCD (visible area 12.8 cm ²)
Permitted ambient temperature	–30°...+55°C
Enclosure	self-extinguishing thermoplastic
Dimensions	45 x 71.5 x 58 mm
Distribution board mounting	35 mm section rails (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
Accessories (not included in delivery)	Data-key DK <i>pro</i> , Radio Receiver FU 20.00 <i>pro</i> / FU 3x.00 <i>pro</i> , programming package PP 50 <i>pro</i> , Mini terminal box 4PLE
Certification mark	VDE

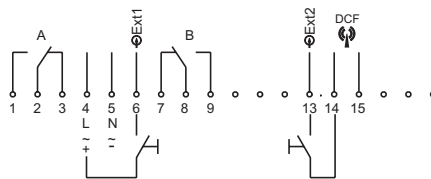
SC 98.10 *pro* / paladin 179 610 *pro* (1 channel)



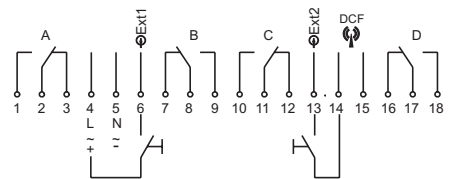
SC 98.30 *pro* / paladin 179 630 *pro* (3 channels)



SC 98.20 *pro* / paladin 179 620 *pro* (2 channels)



SC 98.40 *pro* / paladin 179 640 *pro* (4 channels)



Overview time switch functions

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

Order number	Channels	Time base	Special function
SC 98.10 <i>pro</i> / paladin 179 610 <i>pro</i>	1	Quartz/DCF	External input, yearly program
SC 98.20 <i>pro</i> / paladin 179 620 <i>pro</i>	2	Quartz/DCF	External input, yearly program
SC 98.30 <i>pro</i> / paladin 179 630 <i>pro</i>	3	Quartz/DCF	External input, yearly program
SC 98.40 <i>pro</i> / paladin 179 640 <i>pro</i>	4	Quartz/DCF	External input, yearly program

✓ Housing colour