

Type 12.51

Digital (analogue-style) time switch, daily/weekly programming

- Can be programmed in "Classic" mode via the joystick, or "Smart" mode via smartphones with NFC communication
- Minimum time interval setting - 30 minutes
- Easily configurable for daily or weekly programming

Type 12.81

Digital Astro-switch

- Can be programmed in "Classic" mode via the joystick, or "Smart" mode via smartphones with NFC communication
- Astro program: calculation of sunrise and sunset times through date, time and location coordinates
- Option for Astro ON period override, by timeswitch
- Location coordinates easily settable for most European countries through post codes
- Offset function: allows programming of switching times offset from the astronomical time (by up to 90 min, in 10 min steps)
- Summer/Winter European, Australian, Brazilian time
- 1 CO 16 A output contact
- LCD status indication, set-up and programming
- Lock with a 4-digit PIN
- Back-light display
- Internal battery for set-up and programming without supply, easily replaceable from the front
- Protective separation between supply and contacts
- 35 mm wide
- 35 mm rail (EN 60715) mount
- Cadmium free contact material

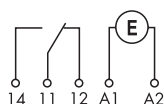
For outline drawing see page 13

Contact specification

Contact configuration	1 CO (SPDT)	1 CO (SPDT)
Rated current/Maximum peak current	A	16/30 (120 A - 5 ms)
Rated voltage/Maximum switching voltage	V AC	250/400
Rated load AC1	VA	4000
Rated load AC15 (230 V AC)	VA	750
Nominal lamp rating:		
230 V incandescent/halogen W	2000	2000
fluorescent tubes with electronic ballast W	1000	1000
fluorescent tubes with electromechanical ballast W	750	750
CFL W	400	400
230 V LED W	400	400
LV halogen or LED with electronic ballast W	400	400
LV halogen or LED with electromechanical ballast W	800	800
Minimum switching load	mW (V/mA)	1000 (10/10)
Standard contact material	AgSnO ₂	AgSnO ₂
Supply specification		
Nominal voltage (U _N)	V AC (50/60 Hz)	110...230
	V DC	110...230
Rated power AC/DC	VA (50 Hz)/W	2.8/0.9
Operating range	V AC (50 Hz)	88...264
	V DC	88...264
Technical data		
Electrical life at rated load in AC1	cycles	100 · 10 ³
Switching intervals		48
Minimum switching interval	min	30
Accuracy	s/day	1
Ambient temperature range	°C	-20...+50 (see page 9, diagram L12)
Protection category		IP 20
Approvals (according to type)	CE EAC	

NEW 12.51

- Digital time switch
- 1 CO 16 A

**NEW 12.81**

- Digital Astro-switch
- 1 CO 16 A

