

# DIGITAL TIME SWITCHES



**TYPES: SC28.11PRO, SC28.21PRO  
SC28.13PRO, SC28.23PRO  
SC44.11PRO, SC44.21PRO**

**(Din rail mounting)  
(Din rail mounting ASTRO)  
(Front panel mounting)**

## FEATURES

- Din rail or panel mounting
- Single channel or double channel
- Daily & weekly programmable
- With 6 year battery reserve
- 46 switching instructions (60 ASTRO versions)
- Block programming on days (equals 1 instruction)
- Minimum switching interval 1 min
- Pulse function minimum switching 1 Sec
- SPCO or DPCO output contacts rated 16 Amps
- Holiday function by date
- Fully automatic summertime function
- Manual override function, permanently ON or OFF
- Automatic sorting of switching times on readout

## DESCRIPTION

Digital time clocks in either single or double channel, Din rail mounted or front panel mounted. The Din rail mounted units are 2 modules wide 35mm, whilst the front panel mounted units have a front bezel size of 72mm fitting into a 68mm square cut out. All types facilitate very accurate to the minute and if the pulse function is used, to the second switching accuracy. 46 switching instructions are possible, but via using block programming on days, a common instruction on more than one day counts as only one instruction. Manual permanent ON or OFF is possible along with by date holiday override periods. Summertime adjustment by location in the world can also be programmed. All programmed in instructions are supported by a 6 year battery back up. A wide choice of both AC and DC supply voltages are available.

**ASTRO** versions, available in Din rail either as a single or double channel, by telling the ASTRO time switches via programming a city code or longitude and latitude the in built ASTRO look up table tells the clock the DUSK and DAWN times accordingly at the programmed location. The primary application for ASTRO time switches is the automatic control of lighting systems, so that systems automatically advance and retard with the lengthening and shortening of days in accordance with the lunar cycle. If required offset times can be programmed and applied to both the DUSK and DAWN times. Further switching can be programmed also between the DUSK and DAWN times. ASTRO time switches do not feature the pulse function and are only available with a 230VAC supply voltage.

## ORDERING INFORMATION

TYPE	SUPPLY VOLTAGE	
SC28.11PRO	12VAC/DC, 24VACDC, 110VAC, 230VAC*	Din rail 1 channel
SC28.21PRO	12VAC/DC, 24VACDC, 110VAC, 230VAC*	Din rail 2 channel
SC44.11PRO	12VAC/DC, 24VACDC, 110VAC, 230VAC*	Front panel 1 channel
SC44.21PRO	12VAC/DC, 24VACDC, 110VAC, 230VAC*	Front panel 2 channel
SC28.13PRO	230VAC	Din rail 1 channel (ASTRO)
SC28.23PRO	230VAC	Din rail 2 channel (ASTRO)

Also available in Din rail mounting format are yearly programmable time clocks up to 4 channels, please contact our sales office for further information.



## SPECIFICATIONS

- Supply voltages: 12VAC/DC, 24VAC/DC  
110, 230VAC 50-60Hz  
ASTRO versions 230VAC only
- Power consumption: Approx 1.5VA
- Battery reserve: ~6 years
- Instructions: 46  
60 ASTRO versions
- Minimum switching: 1 min
- Pulse function: 1sec to 59m59sec (not on ASTRO versions)
- Accuracy:  $\leq \pm 1$ sec a day
- Output/s: SPCO or DPCO
- Contact/s rating: 16 Amps / 250V AC1
- Operating temp: -10°C to +55°C
- CE marked: Yes

