

Astro Time Switch

SET45-18-R2

The perfect time switch for the control of display, amenity, security, street and sign lighting.



The SET45-18-R2 can automatically adjust itself for Daylight Saving Time (BST/GMT)

The SET45-18-R2 incorporates the latest microcontroller technology and is designed to have a high level of immunity to electrical noise which can cause other time switches to malfunction.

The SET45-18-R2 is a Easy to Program Solar and regular Time Clock with battery backed program and time retention.

Features & Benefits

- 7 day programmability incorporating Dusk & Dawn Astronomical tracking set points with traditional time based events.
- Channel 1 has solar based and 8 time based switch points - Channel 2 has 12 time based switch points
- Automatic leap year adjustment
- Local and remote load switch override feature
- Up to 10 year battery backup
- Universal power supply 85 to 265 VAC 50/60 Hz
- Outputs are protected by 320 Joule MOVs
- Relay Assisted Triac (RAT) switch - reliable switching of reactive loads such as street lighting
- Capable of switching reactive loads up to 10 A on each channel
- Mountable on a 35mm symmetric DIN Rail for ease of installation
- Latitude and Longitude of location can be programmed by user
- Security code program protection and tamper proof cover
- Illuminated keypad and backlit LCD display

Technical Specifications

SET45 Photocell
Rev 0.1 Spring 2018

General		Environmental	
Dimensions	90mm x 70 mm x 73mm HxWxD (4 modules wide as per DIN 43880)	Operating Temperature	-10° C to +45° C +14°F to +113°F
Mounting	Symmetric 35 mm DIN Rail	Enclosure Protection	IP20 , Flame Retardant Plastic with transparent protective cover.
Warranty	3 years standard		
Electrical			
Mains Supply	85 to 265 Volts AC - 50/60 Hz.	Battery Backup	10 years @ 20° C - Internal lithium battery
Outputs	2) channels - Relay Assisted Triac (RAT) 10 amp rated supply connected (20 amp Device Max)	Manual Override	Manual override button (MAN key) Momentary dry contact terminals (Normally Open)
Connections	4mm ² max conductor size (12 AWG)	Time Accuracy	± 1 second per day @20°C
Certifications			
EMC	Meets the essential requirements of Directive 2004/108/EC for Electromagnetic Compatibility	Product Type	Electronic I.Y.T., Software Class A. Not suitable for controlling loads where secure disconnection during conditions of mains abnormality is essential to safety.
LVD	Meets the requirements of the Low Voltage Directive 2006/95/EC		

Available with Isolated (Volt Free) Outputs

Configurations	
SET45-18-R2	Solar / Normal Time Clock - 2) 10amp RAT switched supply tied outputs - 85-256 VAC 50/60 Hz. Powerd
SET45-18-R2-VFC	Solar / Normal Time Clock - 2) 10amp supply independent outputs - 85-256 VAC 50/60 Hz. Powerd

