

## Suntracker DIN 72201 Two Module, Two Channel Solar Time Switch



### Benefits

A two module wide, two channel, general purpose astronomical timer that it is designed to control various loads automatically (including LED lighting) according to sunrise and sunset times. Examples of applications: street lighting, neon signs, festive lighting, store windows, monuments, frontages, etc. The unit contains many features to provide a flexible solution. A mix of Astro or Standard times may be programmed.

Requires minimum time to set up and includes an optional Astro pre-programmed setting. A datakey (not included) is available to enable quick programming of multiple switches, to back up an existing units program or store another program schedule for occasional use. This datakey can also be programmed via your computer using Sangamo's optional EasyVue Software.

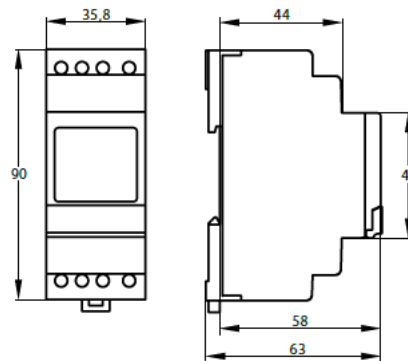
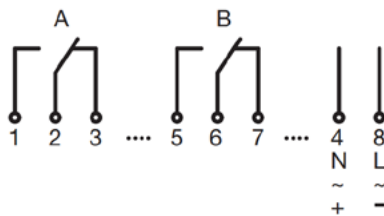
### Features

- Pre-programmed real time and date
- Quick and easily programmable time switch
- Datakey function (with additional 25193 key)
- Can be programmed with supply disconnected
- Specially adapted for lamp loads
- 2 Channel
- 7 day program
- 60 memory locations with optional Astro function for each memory location
- Switching functions: Astro ON, Astro OFF, Night ON, Night OFF, Extra ON, Extra OFF
- Minimum interval 1 min
- Switching capacity 16A
- Permanently ON or OFF by date function
- Temporary/permanent override manual switch
- Automatic sorting of switching times on readout
- Unrestricted block programming of days and switching functions
- Fully automatic summer/winter time changeover
- Astro ON and OFF times are corrected daily with actual times of sunset and sunrise
- Offset function = for each Astro switching time an offset to the Astro time can be programmed that applies throughout the year.
- Elapsed time and pulse counter
- Security by pin-code

**Technical Data**

|  |  |
|--|--|
| Supply voltage                                   | 230 V, 50-60 Hz  |
| Power consumption (real power)                   | 0.8- 1.8 W (depending on the switching status)   |
| Channel (potential-free)                         | Change-over, contact gap <3mm( $\mu$ )   |
| Contact material                                 | AgSnO <sup>2</sup>   |
| Switching capacity                               | 16A / 250 V ~ at cos = 1<br>10A with inductive load cos = 0.6  |
| Min. Switching power                             | 1,000 mW (10V/10mA)  |
| Max. starting current                            | 50A  |
| Filament Lamp                                    | 2,000 W  |
| Halogen Lamp                                     | 2,000 W  |
| Fluorescent Lamp uncompensated                   | 1,000 VA   |
| Fluorescent Lamp series compensated              | 1,000 VA   |
| Fluorescent Lamp parallel compensated            | 550 VA   |
| Fluorescent Lamp double switch                   | 1,000 VA   |
| Mercury Discharge Lamp uncompensated             | 4 x 125 W, 2 x 250 W, 1 x 400 W, 1 x 700 W   |
| Mercury Discharge Lamp parallel compensated      | 6 x 50W (7 $\mu$ F), 4 x 125W (10 $\mu$ F), 2 x 250W (18 $\mu$ F),<br>1 x 400 W (25 $\mu$ F), 1 x 700 W (40 $\mu$ F) |
| Sodium Discharge Lamp uncompensated              | 2 x 250 W, 1 x 400 W   |
| Sodium Discharge Lamp Parallel compensated       | 2 x 150W (20 $\mu$ F), 1 x 250W (32 $\mu$ F), 1 x 400W (45 $\mu$ F)  |
| Compact Fluorescent Lamp convent. lamp ballast   | 1,000 VA   |
| Compact Fluorescent Lamp electron. lamp ballast  | 4 x electronic lamp ballast, power independent   |
| LED 230 V AC                                     | 400 W  |
| LV Halogen or LED with electronic ballast        | 400 W  |
| LV Halogen or LED with electromechanical ballast | 800W   |
| Switching functions                              | Astro ON/OFF, Night ON/OFF, Extra ON/OFF   |
| Offset Astro switching time                      | +/- 90 min.  |
| Memory Locations                                 | 60   |
| Minimum interval                                 | 1 min  |
| Power back-up (at 20°C)                          | approx. 10 years   |
| Program security                                 | unlimited (E <sup>2</sup> -PROM)   |
| Quartz cryst. accuracy (at 20°C)                 | <math>\leq \pm 0.5 \text{ sec/day}</math>  |
| Permitted ambient temperature                    | -30°C to +55°C   |
| Enclosure  | self-extinguishing thermoplastic   |
| Distribution board mounting                      | 35 mm DIN-rail (DIN EN 60715)  |
| Type of protection                               | IP20 to DIN EN 60529   |

**Electrical Connections**



**Contact Us: 01475 745131**

**CUSTOMER CARE POLICY**

As part of Sangamo's continuous improvement program, the Company operates a Customer Care Policy. This means that we welcome your comments and complaints, as it can only help us to improve our services to you, our customer.



Sangamo Limited, Industrial Estate, Port Glasgow,  
Renfrewshire PA14 5XG

Tel: 01475 745131 Fax: 01475 744567

Email : enquiries@sangamo.co.uk Web: www.sangamo.co.uk