

Suntracker DIN 72101 Two Module, Single Channel, Solar Time Switch



Benefits

A two module wide, single channel, general purpose astronomical timer that it is designed to control various loads (including LED lighting) automatically 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.

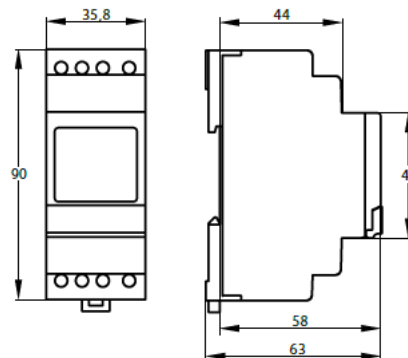
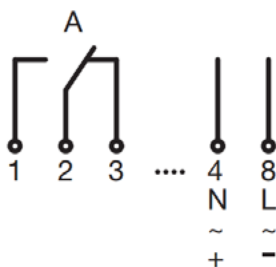
Features

- 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
- 1 Channel
- 24 hour or 7 day programs
- 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 options
- 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 (μ)
Contact material	AgSnO ²
Switching capacity	16A / 250 V ~ at cos = 1 10A with inductive load cos = 0.6
Min. Switching power	1,000 mW (10 V/10 mA)
Max. starting current	50 A
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 μ F), 4 x 125W (10 μ F), 2 x 250W (18 μ F), 1 x 400 W (25 μ F), 1 x 700 W (40 μ F)
Sodium Discharge Lamp uncompensated	2 x 250 W, 1 x 400 W
Sodium Discharge Lamp Parallel compensated	2 x 150W (20 μ F), 1 x 250W (32 μ F), 1 x 400W (45 μ 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 ² -PROM)
Quartz cryst. accuracy (at 20°C)	< / = \pm 0.5 sec/day
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.



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