Astronomical time switches

Micro AST

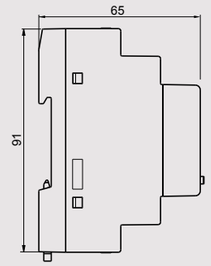
Time switch to manage electric utilities over time between sunrise and sunset time calculated according to the set geographical area.
Through virtual trippers it's possible to program one or more night intervals during which the load stays unactive.
Particularly suitable to light shops, luminous signs, fountains, etc.
The cover on the front of the device allows for the replacement of the depleted battery.

1 Backlit display to visualize programming, time and relay status
2 Container: 1 DIN module
3 Text guide
4 24-hours dial with virtual trippers
5 Cover for battery replacement

DIMENSIONS (mm)

Front view

Side view



CONNECTION DIAGRAM

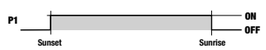
Diagram

TECHNICAL INFORMATION

DIGITAL ASTRONOMICAL TIME SWITCHES

- Power supply: 230 V AC 50/60 Hz
- Available programming:
  - P1 fixed with possibility of night-switch OFFs of minimum 30 minutes
- Sunrise and sunset times are calculated according to phone prefix (for Italy) or geographical coordinates
- Display of the calculated sunset/sunrise times
- Correction of sunrise and sunset time: ± 120 minutes
- Automatic summer time update
- Manual override of the relay (temporary or permanent)
- Battery life: 4 years (replaceable just removing the cover)
- Depleted battery signal
- Relays switching only with power supply

Program



- switch ON and switch OFF always visible
- night switch OFF have a minimum duration of 30 minutes
- each switch ON/OFF of load occurs exactly at the calculated sunset-sunrise time (resolution per minute)

Code	Model	Description	n. relays
VE762300	Micro AST	Astronomical time switch with simplified programming	1

GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Absorption	VA	5.5
	W	1
Output		1 relay normally open
Capacity at 250 V AC	A	16 (10)
Battery life		4 years (Lithium battery CR-1632)
Charge reserve (for battery replacement)		1 minute
Switchings in case of power failure		NO
Programming resolution for night-switch OFFs		30 minutes
Operating precision		± 1 second/day at 25°C
Operating temperature	°C	-20 ÷ +50
Storage temperature	°C	-10 ÷ +70
Operating humidity		20÷90% non condensing
Container		1 DIN module
Degree of protection		IP20

CONNECTABLE LOADS

Incandescent	2000	W
Fluorescent (compensated)	250	VA
Low voltage halogen	1000	VA
Halogen (230 V~)	2000	W
Low consumption (CFL)	200	VA
Low consumption (Downlights)	200	VA
Led	25	VA

REFERENCE STANDARDS

Compliance with Community Directives:
2014/35/EU (LVD) • 2014/30/EU (EMCD)
is declared with reference
to the following standards:
EN 60730-2-7