

Astronomical time switches

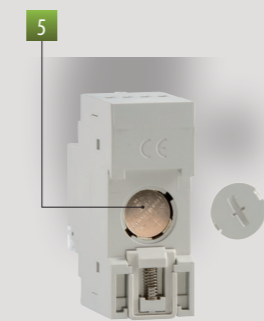
Simply AST

DIMENSIONS (mm)

CONNECTION DIAGRAM

Time switches to manage electric utilities between sunrise and sunset according to the set geographical area. Through virtual trippers is possible to program one or more night-intervals when the load stays unactive. Particularly suitable to light shops, luminous signs, fountains, etc. The rear cover of the instrument allows for the replacement of the depleted battery.

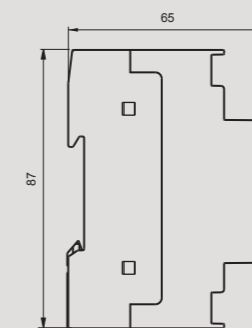
- 1 Large backlit display for viewing of programming, hour and relay status
- 2 Container: 2 DIN modules
- 3 Text guide
- 4 24-hours dial with virtual trippers
- 5 Rear cover for replacement of the depleted battery



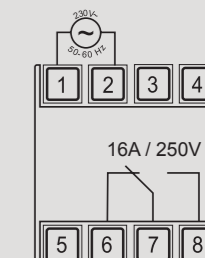
Front view



Side view



Diagram



TIME MANAGEMENT

TECHNICAL INFORMATION

DIGITAL ASTRONOMICAL TIME SWITCHES

- Power supply: 230 V AC 50/60 Hz
- Available programming:
 - P1 fixed with possibility of night-switch ON/OFFs of minimum 30 minutes
- Sunrise and sunset hours are calculated according to phone prefix (for Italy) or geographical coordinates
- Display of the sunset/sunrise times calculated by the device
- Update of sunrise/sunset hours: ± 120 minutes
- Summertime automatic update
- Manual override of the relay (temporary or permanent)
- Battery life: 5 years (replaceable just removing rear cover)
- Depleted battery signalling
- Relay switching only with power supply



Program



- switch ON and switch OFF always visible
- night-switch OFFs of minimum 30 minutes
- each switch ON/OFF of load happens exactly at the calculated sunset/sunrise-hour (minut resolution)

GENERAL CHARACTERISTICS

Power supply	V AC	230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Absorption	VA	6
	W	1
Output		1 relay in monostable change-over
Capacity at 250 V AC	A	16 (10)
	W	600
	W	1500
	W	1500
Battery life		5 years (lithium battery CR 2032)
Charge reserve (for battery replacement)		1 minute
Switches 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
Degree of protection		IP20

REFERENCE STANDARDS

Compliance with Community Directives: 2006/95/EC (Low voltage) and 2004/108/EC (E.M.C.) is declared with reference to the following standards:
• Safety and Compatibility E.M.: EN 60730-2-7

Code	Model	Description	nr. relays
VE707600	Simply AST	Astronomical time switch with simplified programming	1

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