

# Astronomical time switches

## SIMPLY AST

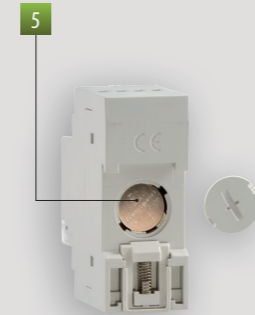
### DIMENSIONS (mm)

### CONNECTION DIAGRAM

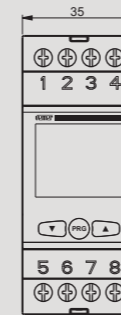
Time switch to manage electric utilities over time between sunrise and sunset time calculated according to the set geographical area.  
Through virtual trippers it's possible to program one or more night intervals during which the load stays unactive.  
Particularly suitable to light shops, luminous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



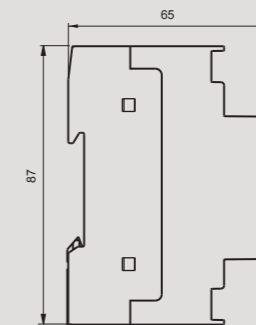
- 1 Wide backlit display to visualize programming, time and relay status
- 2 Container: 2 DIN modules
- 3 Text guide
- 4 24-hours dial with virtual trippers
- 5 Rear cover for battery replacement



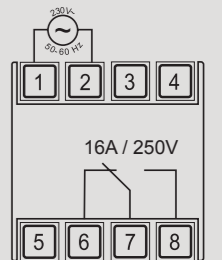
#### Front view



#### Side view



#### Diagram



## TIME AND MANAGEMENT

### TECHNICAL INFORMATION

### DIGITAL TWILIGHT SWITCHES

- 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 and sunrise times
- Correction of sunrise and sunset times:  $\pm 120$  minutes
- Automatic summer time update
- Manual override of the relay (temporary or permanent)
- Battery life: 5 years (replaceable just removing rear cover)
- Depleted battery signal
- Relays 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 and sunrise times (resolution per minute)

### GENERAL CHARACTERISTICS

Power supply	Vac	230 (-15% ÷ +10%)
Frequency	Hz	50 / 60
Absorption	VA	6
	W	1
Relay capacity at 250 Vac (change-over contact)	A	16 (10)
Battery life		5 years (Lithium battery CR 2032)
Charge reserve (for battery replacement)		1 minute
Switchings in case of power failure		NO
Programming resolution for night switch OFFs		30 minutes
Operating precision		$\pm 1$ second/day at 25°C
Operating temperature	°C	-20 ÷ 50
Storage temperature	°C	-25 ÷ 70
Protection degree		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

Code	Model	Description	n. relays
VE707600	Simply AST	Astronomical twilight switch with simplified programming	1

### 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