simply AST

VE707600



Astronomical hourly (daily) twilight switch, 230 Vac, DIN-rail mounted, 2-module, 1 relay. It allows a load to be activated during the time period between sunset and sunrise. Virtual trippers allow programming of one or more night intervals during which the load remains off.

General features

- It allows a load to be activated during the time period between sunset and sunrise.
- Backlit display to show programming, time and relay status
- Daily dial with virtual trippers
- Battery life: 5 years (with service flap for replacement)
- Available programming:
  - P1 fixed, with possibility of night OFF intervals of minimum 30 minutes
- Sunrise and sunset times calculated based on telephone area code (Italy) or geographical coordinates
- Display of calculated sunrise and sunset times
- Sunrise and sunset time correction: ± 120 minutes
- Automatic daylight saving time update
- Manual relay override (temporary or permanent)
- Low battery warning
- Relays switching only when power is present
- Switching on and off always visible
- Night-time shutdowns with a minimum duration of 30 minutes
- Load switching on and off occurs exactly at the calculated sunset and sunrise times (minute resolution)

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	6 (1) VA (W)
Buffer battery type	CR-2032 Lithium 3 V (NOT rechargeable)
Battery autonomy	5 years
Power reserve	1 minute
Parameter settings	
Programming	Astronomical (Daily)
Programming resolution	30 minutes

Vemer S.p.A. declines all responsibility for the use of the products for purposes other than those for which they are intended, as indicated in the technical documentation. Vemer S.p.A. reserves the right to make, without prior notice, such changes as may, in its sole discretion, improve the technical and functional characteristics of the products and the related production logic. The technical characteristics and images of the products indicated are given for information only and are not binding in any way, since they may be modified without prior notice.

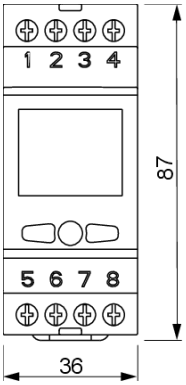
Revision date: 2026-02-02

Measure	
Watch accuracy	± 1 second/day at 25 °C
Functions	
Automatic daylight saving/standard time changeover	✓
Operating conditions	
Operating temperature range	-20 ÷ 50 °C
Storage temperature range	-25 ÷ 70 °C
Connectable loads	
Incandescent lamps	2000 W
Fluorescent lamps (neon)	1000 VA
Halogen lamps (230 V)	2000 W
Low Consumption Lamps (CLF)	200 W
LED lamps	200 W
Approvals and certifications	
ENEC approval	✓
Outputs	
Relay number	1
Relay capacity at 250 Vac	16 (10) A
Mechanical features	
Protection degree	IP20
Physical features	
Device command	Keys
Backlighting	✓
Overall dimensions	
Height (A)	87 mm
Width (B)	36 mm
Depth (C)	65 mm

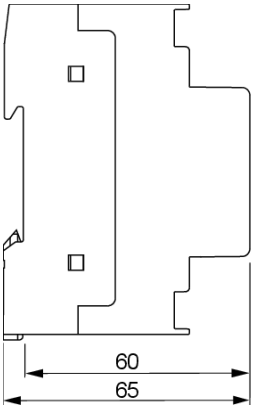
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Dimensions

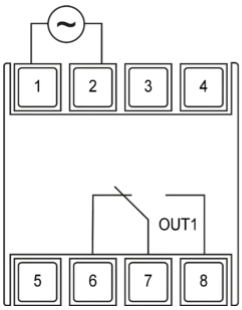
Front View



Side View



Wiring diagram



Reference standards

Compliance with Community Directives:

• 2014/35/UE (LVD) • 2014/30/UE (EMCD) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-7 • EN IEC 63000

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