memo AST LUX

VE770500



Daily or weekly astronomical twilight switch, 230 Vac, DIN-rail mounted, 2-module, 1 relay. With external probe. It allows a load to be activated during the time period between sunset and sunrise. Astronomical operation: night and daytime switch-on via twilight sensor when brightness falls below threshold. Programmable twilight operation: switch-on when brightness falls below threshold, according to daily or weekly programming.

General features

- Large backlit display for viewing date, time, and relay status
- It allows a load to be activated during the time period between sunset and sunrise.
- Sealable keyboard cover
- Light sensor for daytime switching
- Battery life: 5 years (with service flap for replacement)
- Automatic daylight saving time update
- Sunrise and sunset time correction: ± 120 minutes
- Low battery warning
- Manual relay override (temporary or permanent)
- Daytime operation (dawn to dusk) with remote probe
- Keypad lock function with password to prevent modifications by unauthorised people
- Menu in 5 languages: Italian, English, Spanish, German, French
- Adjustable sensitivity (threshold) between 3 and 500 lux. OFF setting (below 3 lux): twilight function always disabled. ON setting (above 500 lux): twilight function always active.
- Adjustable hysteresis between 1 and 50 lux
- Switching delay adjustable from 1 second to 30 minutes
- Maximum distance between probe and device: approx. 50 m

Technical specifications

Power supply	
Power supply	230 Vac (-15% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	3.5 (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 / Weekly)
Programming resolution	1 minute

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	± 0.5 seconds/day at 25°C
Functions	
Automatic daylight saving/standard time changeover	✓
Keypad lock function	✓
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
Outputs	
Relay number	1
Relay type	Heat exchange
Relay capacity at 250 Vac	16 (10) A
Mechanical features	
Protection degree	IP41 (on the front)
Physical features	
Device command	Keys
Backlighting	✓
Overall dimensions	
Height (A)	87 mm
Width (B)	36 mm
Depth (C)	65 mm

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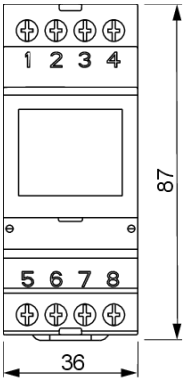
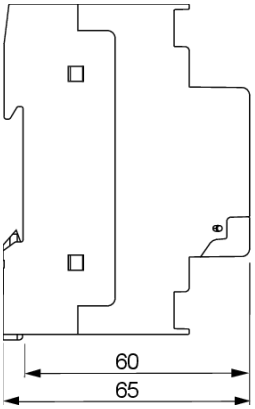
Dimensions

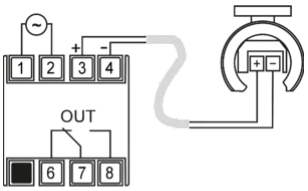
Front View



Side View



Wiring diagram



Accessories compatible with the product

SIL

VE765700

External light sensor with wall mount

SIL-AV

VE765800

External light sensor with self-locking plug-in connector

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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