memo AST1

VE344800



Daily or weekly astronomical 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. The NFC interface allows pairing with smartphones and tablets to transfer programmes made on the smartphone via the dedicated app.

General features

- It allows a load to be activated during the time period between sunset and sunrise.
- Large backlit display for viewing date, time, and relay status
- Sealable keyboard cover
- Battery life: 5 years (with service flap for replacement)
- Application for smartphones and tablets, for iOS and Android systems
- Maximum number of storable programmes: 120 events
- Random output switching function
- Manual relay override (temporary or permanent)
- Automatic daylight saving time update
- Sunrise and sunset time correction: ± 120 minutes
- Low battery warning
- NFC interface
- Keypad lock function with password to prevent modifications by unauthorised people
- Menu in 5 languages: Italian, English, Spanish, German, French

Technical specifications

Power supply	
Power supply	230 Vac (-10% ÷ +10%)
Frequency	50 / 60 Hz
Absorption	8 (2) 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
Measure	
Watch accuracy	± 0.5 seconds/day at 25°C

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

Functions	
Automatic daylight saving/standard time changeover	✓
Keypad lock function	✓
Manageable by application	✓
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 type	Heat exchange
Relay capacity at 250 Vac	16 (10) A
Mechanical features	
Protection degree	IP20 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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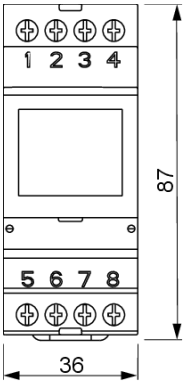
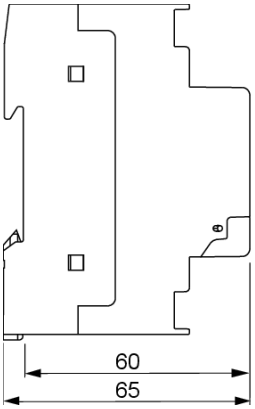
Dimensions

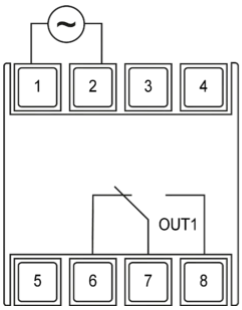
Front View



Side View



Wiring diagram



Remote control

Fully manageable via smartphone and tablet app

Memo

memo

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Download on the App Store

Memo is the smart application designed to control and programme Vemer digital watches. Depending on the model, the watch can be connected to smartphones and tablets via the NFC interface or Bluetooth connection. The Memo application's intuitive interface ensures practical and immediate use of the included functionalities, simplifies the management of device settings and its programming, and offers the user a wide range of customisation possibilities.

App features

- **Program management**
  Allows creating, editing, and renaming programs directly on the smartphone.
- **Copy / Paste programs**
  Allows transferring created programs to multiple timers of the same model. Acquire programs from one timer and copy them to other timers of the same model (copy / paste).
- **Relay Outputs**
  Allows manual switching of relay outputs.
- **Date / Time**
  Allows configuring the date and time on the timer.
- **GPS**
  Allows configuring the geographic coordinates on the timer.
- **Random output switching function**
  It allows you to switch the relay outputs automatically at regular intervals.

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Product variants

memo AST2

VE343000

DIN-rail mounted astronomical (sunset to sunrise) switch with daily or weekly programming, 2-DIN module, 230 Vac, 2 relays, NFC.

Reference standards

Compliance with Community Directives:

• 2014/53/UE (RED) • 2011/65/UE e 2015/863/UE (ROHS)

is declared with reference to the following Standards:

• EN IEC 60730-2-7 • EN 50364 • ETSI EN 300 330 • ETSI EN 301 489-1 • ETSI EN 301 489-3 • EN IEC 63000

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