memo BT Y1 GPS

VE790400



Digital electronic switch, 110–240 Vac, DIN-rail mounted, 2-module. Device offers hourly (daily/weekly/monthly/yearly) or astronomical (sunset to sunrise) programming, with 1 relay. Product equipped with Bluetooth interface for pairing with smartphones and tablets, allowing program transfer via dedicated app for easier and faster management. A GPS module GEO-2 (available as accessory) can be connected via BUS, for precise acquisition of time, date and geographical location through the satellite system, ensuring maximum accuracy over time Backup battery maintains date and time even during a power failure.

General features

- Large backlit display for viewing date, time, and relay status
- Sealable keyboard cover
- Application for iOS and Android systems
- Battery life: 5 years (with service flap for replacement and low-battery indication)
- Integrated Bluetooth BLE 5.1 interface for program exchange with the dedicated app
- Optional GPS module GEO-2 (code VE789900) for time and position reception from satellites
- Hourly programming for load management within 24 hours
- Astronomical programming for load management between sunset and sunrise
- Daily, weekly, yearly programming (ON, OFF, pulse, delay or holiday)
- Automatic acquisition of date, time and geographical position with GEO-2 module
- Random output switching function
- Manual relay override (temporary or permanent)
- Automatic daylight saving time update
- Sunrise and sunset time correction: ± 120 minutes
- 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	100 ÷ 240 Vac
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	Hourly (Daily / Weekly / Monthly / Yearly) or Astronomical
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

Parameter settings	
Number of storable programmes (events)	120
Measure	
Watch accuracy	± 0.5 seconds/day at 25 °C
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
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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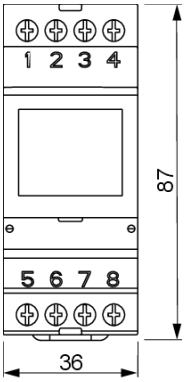
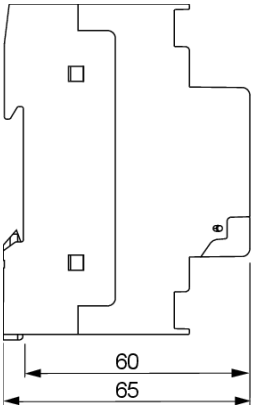
Dimensions

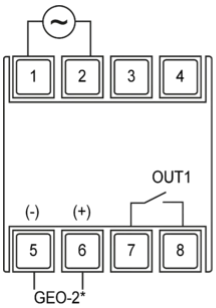
Front View



Side View



Wiring diagram



*Optional GPS module input (not isolated). For connections to the GEO-2 refer to to the module's specific instructions.

Remote control

Fully manageable via smartphone and tablet app

Memo

memo

GET IT ON Google Play

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.
- **GPS**
  Allows configuring the geographic coordinates on the timer.
- **Date / Time**
  Allows configuring the date and time 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 BT Y2 GPS

VE790500

DIN-rail mounted digital electronic time switch with daily, weekly, monthly, annual or astronomical programming, 2-DIN module, 110–240 Vac, 2 relays, Bluetooth and GPS.

Product set

Set memo BT Y1 GPS

VE790600

Accessories compatible with the product

GEO-2

VE789900

GPS module with 2-wire bus for data sharing

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 62479 • ETSI EN 300 328 • ETSI EN 301 489-1 • ETSI EN 301 489-17 • EN IEC 63000

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