

VEMER VP871800

VEMER VP871800 MEMO DW E Digital Time Switch User Manual

Model: VP871800 | Brand: VEMER

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1. INTRODUCTION

The VEMER VP871800 MEMO DW E is a digital time switch designed for precise control of electrical devices. It offers both daily and weekly programming capabilities, allowing for flexible scheduling with a resolution of 1 minute. This device supports up to 120 programmable events and features ON/OFF, cycle, and pulse modes to suit various operational needs. It is designed for easy installation on a DIN rail within electrical panels and includes a 16A relay with a changeover contact for safe control of high-power equipment. The backlit LCD display ensures clear readability, even in low-light conditions, and the unit automatically adjusts for Daylight Saving Time. A replaceable backup battery provides a 5-year autonomy, preserving settings during power outages.

2. SAFETY GUIDELINES

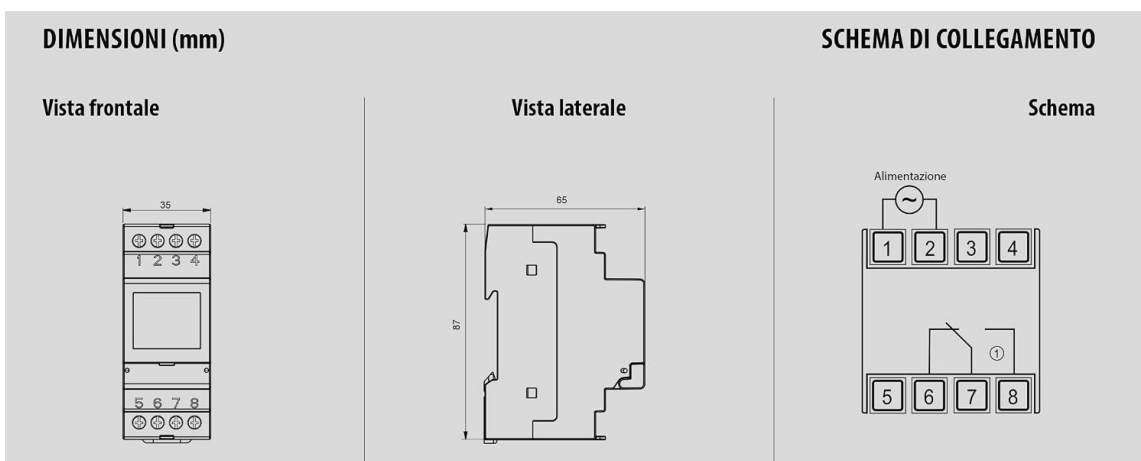
- Installation and maintenance must be performed by qualified personnel only.
- Always disconnect power to the circuit before installing, wiring, or servicing the device.
- Ensure all wiring connections comply with local electrical codes and standards.
- Do not exceed the maximum load rating of the relay (16A).
- Avoid exposing the device to moisture, extreme temperatures, or corrosive environments.
- The device is designed for indoor use in electrical panels unless otherwise specified.

3. PRODUCT OVERVIEW

The VEMER VP871800 MEMO DW E is a compact, white digital time switch. It features a clear, backlit LCD display that shows the current time, date, and programming status. Below the display are control buttons (typically labeled C1, C2, OK) used for navigating menus and setting programs.



This image provides a clear front view of the VEMER VP871800 MEMO DW E Digital Time Switch, highlighting its backlit LCD display and the intuitive control buttons for programming.



This image presents an angled view of the VEMER VP871800 MEMO DW E Digital Time Switch, emphasizing its compact form factor and design for easy DIN rail mounting.

4. INSTALLATION

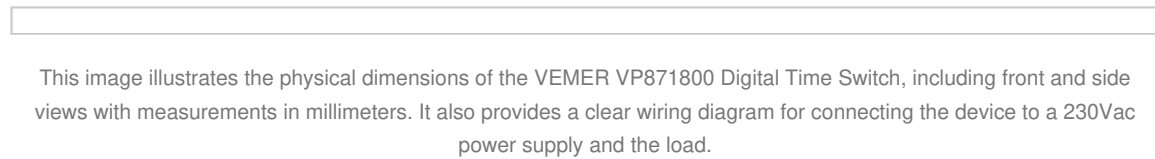
4.1 DIN Rail Mounting

The VEMER VP871800 is designed for quick and secure installation on a standard DIN rail (35mm) inside

an electrical distribution board or enclosure. Simply clip the device onto the rail until it locks into place.

4.2 Wiring Connections

The device requires a 230Vac power supply. Connect the mains voltage to terminals 1 and 2. The integrated 16A relay provides a changeover contact (terminals 5, 6, 7, 8) to control the load. Refer to the wiring diagram below for correct connections.



Terminals 1 & 2: 230Vac Power Supply

Terminals 5, 6, 7, 8: 16A Changeover Relay Contact for Load Control

5. INITIAL SETUP

5.1 Power On and Initial Display

Upon initial power-up, the display will illuminate. If the battery is new or recently replaced, you may need to set the current time and date.

5.2 Setting Time and Date

Use the control buttons (C1, C2, OK) to navigate the menu and adjust the current hour, minute, day of the week, month, and year. Refer to the detailed instructions in the full user manual for specific button sequences.

5.3 Automatic Daylight Saving Time (DST)

The VP871800 features automatic adjustment for Daylight Saving Time, eliminating the need for manual changes. Ensure this feature is enabled in the settings if desired.

6. PROGRAMMING

The VEMER VP871800 allows for up to 120 programmable events with daily or weekly scheduling. Programming can be done in three main modes:

- **ON/OFF Mode:** Set specific times for the connected device to turn ON and OFF. The minimum duration for an ON or OFF state is 1 minute.
- **Cycle Mode:** Program repetitive ON/OFF cycles with defined durations.
- **Pulse Mode:** Generate short pulses (1 to 59 seconds) for applications requiring momentary contact, such as activating a bell or gate opener.

Detailed programming steps are available in the comprehensive user manual. Use the C1, C2, and OK buttons to navigate the programming menu, select modes, and set desired times and days.

7. MAINTENANCE

7.1 Battery Replacement

The device is equipped with a replaceable backup battery that provides approximately 5 years of autonomy, preserving programmed settings during power outages. When the battery level is low, a warning may appear on the display. To replace the battery:

1. **Disconnect Power:** Ensure the main power supply to the time switch is disconnected before proceeding.
2. **Access Battery Compartment:** Locate the battery compartment on the rear of the device. It typically has a small cover that can be opened with a screwdriver or coin.
3. **Remove Old Battery:** Carefully remove the old coin cell battery.
4. **Insert New Battery:** Insert a new, compatible coin cell battery, ensuring correct polarity.
5. **Close Compartment:** Securely close the battery compartment cover.
6. **Restore Power:** Reconnect the main power supply. You may need to reset the current time and date after battery replacement.



This image displays the rear of the VEMER VP871800 Digital Time Switch, highlighting the battery compartment. The cover is shown removed, indicating how to access and replace the internal backup battery.

8. APPLICATIONS

The VEMER VP871800 MEMO DW E is versatile and suitable for a wide range of applications, including:

- **Domestic Use:** Controlling lighting systems, heating, and other household appliances.
- **Industrial Use:** Managing pumps, air conditioning systems, and production equipment.
- **Commercial & Residential:** Optimizing energy consumption in various settings.
- **Outdoor Control:** Automating irrigation systems and electric gates.



This image shows the VEMER Memo DW E Digital Time Switch integrated into an outdoor electrical panel, demonstrating its use in controlling an electric gate for a residential complex.



This image depicts a garden being watered by a sprinkler system, showcasing how the VEMER VP871800 Digital Time Switch can be used to automate irrigation schedules.



This image features an electric gate, highlighting the VEMER VP871800 Digital Time Switch's capability to manage its opening and closing times automatically.



This image shows a manufacturing process with various equipment, demonstrating the VEMER VP871800 Digital Time Switch's utility in automating the on/off cycles of production machinery.

9. TROUBLESHOOTING

- **Device Not Powering On:** Check the 230Vac power supply connections to terminals 1 and 2. Ensure the circuit breaker is ON.
- **Load Not Switching:** Verify the wiring to the load through the relay contacts (terminals 5, 6, 7, 8). Check your programming schedule to ensure it is active and correctly set.
- **Incorrect Time/Date:** If the time or date is incorrect after a power outage, the backup battery may be depleted. Replace the battery as described in the Maintenance section.
- **Display Issues:** If the display is blank or unreadable, check power supply and battery.
- **Programming Difficulties:** Refer to the detailed programming instructions in the full user manual. If issues persist, a factory reset might be necessary (consult the manual for this procedure).

For complex issues or problems not resolved by these steps, please contact VEMER technical support.

10. TECHNICAL SPECIFICATIONS

Feature	Specification
Model Number	VP871800
Brand	VEMER
Product Type	Digital Time Switch, Daily or Weekly Programming Timer
Power Supply	230Vac
Relay Contact	16A Changeover Contact
Programming Modes	ON/OFF, Cycle, Pulse
Programming Resolution	1 Minute
Number of Programs	Up to 120
Display	Backlit LCD
Daylight Saving Time	Automatic Adjustment
Backup Battery Life	5 Years
Installation	DIN Rail
Color	White
Product Dimensions (DxWxH)	4P x 71 x 9H cm
Smart Home Compatibility	Not compatible
Country of Origin	Italy
Included Components	Switch, user manual, backup battery

11. WARRANTY

The VEMER VP871800 MEMO DW E Digital Time Switch comes with a manufacturer's warranty of 2 years from the date of purchase. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

12. SUPPORT

For any questions, technical assistance, or support regarding the VEMER VP871800 MEMO DW E Digital Time Switch, please contact our dedicated support team:
Email: assistenza.technica@vemer.it
An expert team is available to assist you step-by-step.

