

## VEMER VE787501

# VEMER VE787501 Tempo-INT Digital Timer User Manual

Model: VE787501

## 1. INTRODUCTION

The VEMER VE787501 Tempo-INT is a digital time switch designed for precise control of electrical loads, such as roller shutters, gates, and outdoor lighting. It offers both daily/weekly hour programming and advanced astronomical programming, which calculates sunset and sunrise times based on your geographical location. This manual provides essential information for the safe installation, setup, and operation of your device.

For installations in public areas, the device includes a password-protected 'key lock' function to prevent unauthorized changes to settings.

## 2. PRODUCT FEATURES

- Digital timer with flexible programming options: daily, weekly, or astronomical.
- Astronomical programming calculates sunset and sunrise based on geographical area.
- Designed for flush-mounted installation in a standard round box.
- Ideal for controlling roller shutters, gates, outdoor lights, and other electrical loads.
- Compatible with cover frames from various manufacturers including Berker, Busch-Jaeger, Gira, Jung, and Merten.
- Includes both white and charcoal grey front panels for aesthetic integration.
- Features a password-protected 'keyboard lock' function to prevent unauthorized setting changes.

## 3. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating this device. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Installation must be performed by a qualified electrician in accordance with all local and national electrical codes.
- Ensure the main power supply is disconnected before commencing any installation or maintenance work.

- Do not expose the device to moisture, extreme temperatures, or direct sunlight.
- Do not attempt to open or repair the device yourself. Refer all servicing to qualified personnel.
- Verify correct wiring connections to prevent damage to the device or connected loads.

## 4. PACKAGE CONTENTS

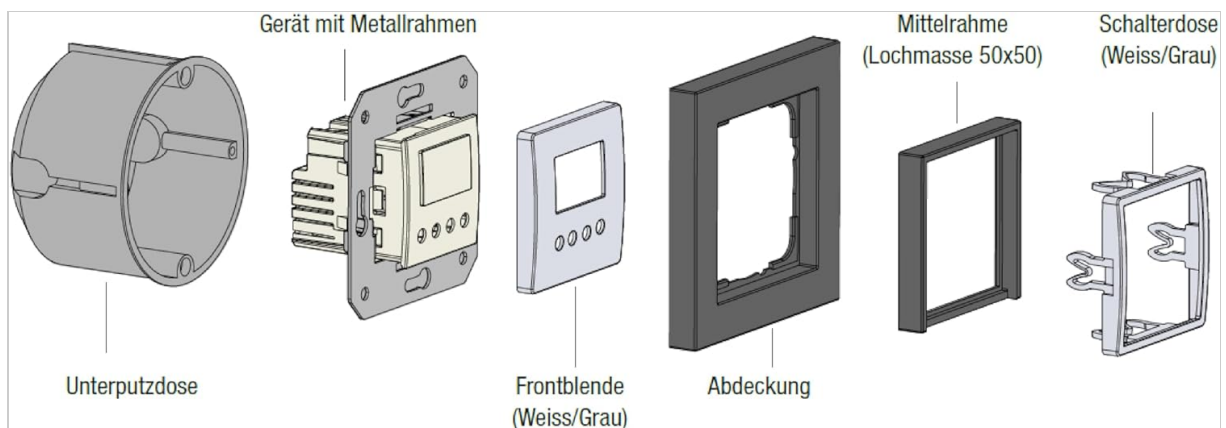
Verify that all items are present in the package:

- VEMER VE787501 Tempo-INT Digital Timer unit
- White front panel
- Charcoal grey front panel
- Instruction Manual (this document)
- Mounting accessories (if applicable, not explicitly listed but implied by installation)

## 5. INSTALLATION

The VEMER VE787501 is designed for flush-mounted installation in a standard round electrical box (2 modules). Ensure the power supply is OFF before proceeding.

1. **Prepare the Installation Site:** Ensure a suitable round flush-mounted box is available and correctly installed in the wall.
2. **Wiring:** Connect the electrical wires to the terminals on the back of the timer unit according to the wiring diagram provided with the product (refer to the specific wiring diagram for your region and application). Ensure all connections are secure.
3. **Mount the Device:** Insert the timer unit into the flush-mounted box and secure it using the provided mounting screws or clips.
4. **Attach the Front Panel:** Choose either the white or charcoal grey front panel and snap it onto the timer unit.
5. **Install Cover Frame (Optional):** If using a compatible cover frame (e.g., Berker, Busch-Jaeger, Gira, Jung, Merten), install it around the front panel.
6. **Restore Power:** Once installation is complete and all connections are verified, restore power to the circuit.



**Figure 1:** Exploded view diagram of VEMER Tempo-INT Digital Timer components for flush-mounted installation. This diagram illustrates the various components of the VEMER Tempo-INT Digital Timer for installation. It shows the flush-mounted box, the device with metal frame, the front panel (white/grey), the middle frame (50x50mm), and the switch box (white/grey) in an exploded view, indicating the assembly order.

## 6. SETUP AND INITIAL CONFIGURATION

Upon first power-up or after a power outage, you may need to set the current time, date, and geographical location.



**Figure 2:** VEMER Tempo-INT Digital Timer front view with display showing time and date. This image displays the VEMER Tempo-INT Digital Timer, featuring its digital screen with current time and date, along with control buttons for 'SET', navigation, and 'OK'.

1. **Access Settings:** Press the **SET** button to enter the main menu or configuration mode.
2. **Set Time and Date:** Navigate through the menu using the arrow buttons (up/down) to find the 'Time' and 'Date' settings. Adjust values using the arrow buttons and confirm with **OK**.
3. **Set Geographical Area (for Astronomical Programming):** If you plan to use astronomical programming, locate the 'Geo Location' or 'Astro Settings' menu. Select your region or input geographical coordinates as prompted. This allows the timer to accurately calculate sunrise and sunset times.
4. **Key Lock Function:** To activate the password-protected key lock, navigate to the 'Security' or 'Key Lock' menu. Follow the on-screen prompts to set a password and enable the function. This prevents unauthorized access to settings.

## 7. OPERATING INSTRUCTIONS

### 7.1. Hour Programming (Daily/Weekly)

This mode allows you to set specific ON/OFF times for each day of the week.

1. From the main menu, select 'Program' or 'Timer Settings'.
2. Choose 'Hour Program' or 'Daily/Weekly Program'.
3. Select the desired day(s) of the week for the program.
4. Set the ON time and OFF time for the electrical load. You can typically set multiple ON/OFF events per day.
5. Confirm each setting with **OK**.

### 7.2. Astronomical Programming

This mode automatically adjusts ON/OFF times based on local sunrise and sunset, ideal for outdoor lighting.

1. Ensure your geographical location is correctly set (refer to Section 6).
2. From the main menu, select 'Program' or 'Timer Settings'.
3. Choose 'Astro Program'.
4. You can typically set an offset (e.g., turn ON 30 minutes before sunset, turn OFF 15 minutes after sunrise).
5. Confirm your settings with **OK**.

### 7.3. Manual Override

The timer usually allows for temporary manual override of programmed settings.

- Look for a dedicated 'Manual' button or an option within the menu to temporarily switch the load ON or OFF, overriding the current program.
- The timer will typically revert to its programmed schedule at the next scheduled event or after a set period.

## 8. MAINTENANCE

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The VEMER VE787501 Tempo-INT Digital Timer requires minimal maintenance.

- **Cleaning:** Wipe the surface of the device with a soft, dry cloth. Do not use abrasive cleaners, solvents, or excessive moisture.
- **No User-Serviceable Parts:** The device contains no user-serviceable parts. Do not attempt to open the casing.
- **Battery (if applicable):** While the product specifications state 'Batteries required: No', some internal clocks may have a small backup battery. If the time/date frequently resets after power outages, consult VEMER support.

## 9. TROUBLESHOOTING

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If you encounter issues with your VEMER Tempo-INT Digital Timer, refer to the following common problems and solutions:

- **Device not powering on:**
  - Check the main power supply to the circuit.
  - Verify all wiring connections are secure and correct (consult a qualified electrician if unsure).

- **Programs not executing:**

- Ensure the current time and date are set correctly.
- Check that the program is enabled and not in manual override mode.
- For astronomical programming, verify the geographical location is accurately set.

- **Display is blank or unreadable:**

- Check power supply.
- If the issue persists, the device may require professional inspection.

- **Key lock prevents access:**

- Enter the correct password to unlock the device.
- If the password is forgotten, refer to the full product manual or contact VEMER support for reset procedures.

## 10. SPECIFICATIONS

Feature	Specification
Model Number	VE787501
Brand	VEMER
Programming Type	Digital (Daily, Weekly, Astronomical)
Installation Type	Flush-mounted (2 modules)
Product Dimensions	7 x 11 x 16 cm
Item Weight	0.22 Kilograms
Material	Kunststoff (Plastic)
Color	White and grey anthracite (front panels included)
Batteries Required	No
Number of Settings	3 (Implied by programming types)

## 11. WARRANTY AND SUPPORT

VEMER products are manufactured to high-quality standards. For information regarding warranty coverage, please refer to the warranty card included with your purchase or visit the official VEMER website.

If you require technical assistance, troubleshooting beyond this manual, or have questions about your VEMER VE787501 Tempo-INT Digital Timer, please contact VEMER customer support through their official channels. Always provide your model number (VE787501) when seeking support.