

VEMER VE618500 CM100

VEMER VE618500 CM100 Wall Thermostat User Manual

Daily Programmable Thermostat for Heating Systems



1. INTRODUCTION

The VEMER VE618500 CM100 is a battery-powered, daily programmable wall thermostat designed for controlling heating systems. Its intuitive mechanical interface allows for easy setting of daily heating schedules and desired temperatures. This manual provides detailed instructions for the proper installation, setup, operation, and maintenance of your thermostat.

2. SAFETY INFORMATION

- **Electrical Safety:** Installation should be performed by a qualified electrician or competent person in accordance with local wiring regulations. Always disconnect power to the heating system at the main circuit breaker before beginning any wiring work.
- **Battery Safety:** Use only the specified battery type (2 x 1.5V AA). Do not mix old and new batteries, or different types of batteries. Dispose of used batteries responsibly.
- **Placement:** Install the thermostat away from direct sunlight, drafts, and heat sources (e.g., radiators, lamps) to ensure accurate temperature readings.
- **Cleaning:** Do not use abrasive cleaners or solvents. Clean the thermostat with a soft, damp cloth only.

3. PACKAGE CONTENTS

Please check that all items are present in the package:

- VEMER VE618500 CM100 Wall Thermostat Unit
- Installation Kit (screws, wall plugs)
- User Manual

4. PRODUCT OVERVIEW

Familiarize yourself with the main components and controls of your thermostat.

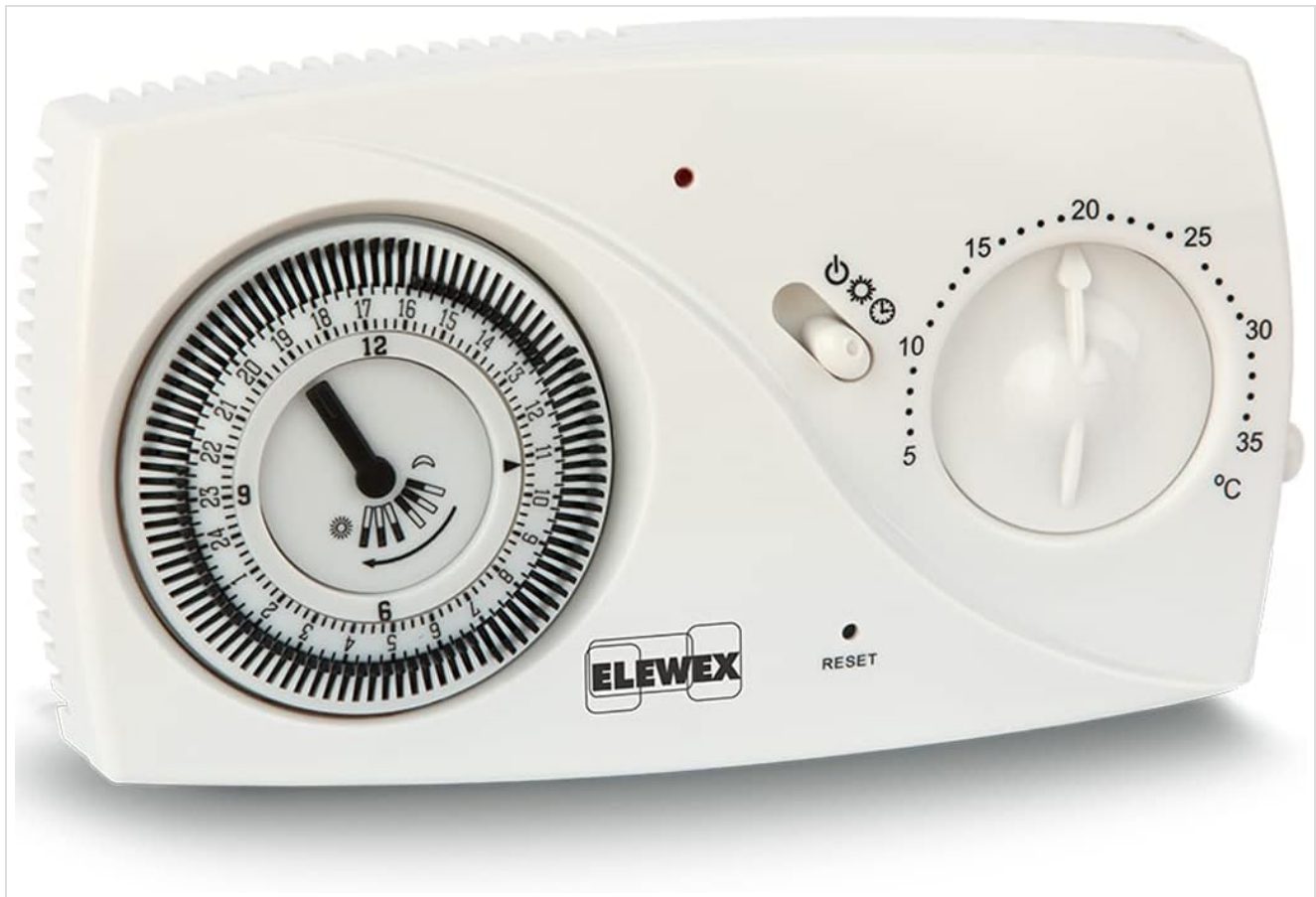


Figure 1: Front View of the Thermostat. This image displays the front of the VEMER VE618500 CM100 thermostat, showing the large central time dial with 15-minute riders, the temperature setting dial on the right, and the mode selector switch.

4.1 Front Panel Controls

- **Time Dial (Left):** A 24-hour dial with 96 movable riders (pins). Each rider represents a 15-minute interval. Push riders outwards for 'ON' periods and inwards for 'OFF' periods. The current time is indicated by a pointer.
- **Temperature Dial (Right):** Used to set the desired room temperature, typically ranging from 5°C to 35°C.
- **Mode Selector Switch:** Located near the temperature dial, this switch allows you to select the operating mode.
- **RESET Button:** A small button, usually recessed, to reset the thermostat.



Figure 2: Side View with Mode Selector. This image shows a close-up of the side of the thermostat, highlighting the mode selector switch, which typically has positions for 'OFF', 'Programmed', and 'Continuous ON'.

4.2 Rear Panel (for Installation)



Figure 3: Rear View of the Thermostat. This image displays the back of the VEMER VE618500 CM100 thermostat, showing the mounting holes, wiring terminals (L, NO, NC), and the battery compartment cover. The model number and electrical ratings are also visible.

- **Wiring Terminals:** Connections for the heating system (typically Live, Normally Open, Normally Closed).
- **Battery Compartment:** Holds 2 x 1.5V AA batteries.
- **Mounting Holes:** For securing the thermostat to the wall.

5. INSTALLATION

Important: Ensure power to the heating system is disconnected before proceeding.

5.1 Mounting Location

Choose an interior wall location, approximately 1.5 meters (5 feet) from the floor, away from:

- Direct sunlight
- Drafts from windows or doors
- Heat sources (e.g., radiators, televisions, lamps)
- Areas with poor air circulation

5.2 Mounting the Thermostat

1. Carefully separate the front cover from the backplate of the thermostat.
2. Position the backplate on the chosen wall location and mark the drilling points.
3. Drill holes and insert wall plugs (if necessary).
4. Secure the backplate to the wall using the provided screws.

5.3 Wiring

Refer to the wiring diagram on the back of the thermostat (see [Figure 3](#)) and your heating system's manual for specific connections. Typically, the thermostat acts as a simple switch for your boiler. Connect the heating system's control wires to the appropriate terminals (L, NO, NC) on the thermostat's backplate.

Ensure all connections are secure and correctly insulated.

5.4 Battery Insertion

1. Open the battery compartment cover on the rear of the thermostat.
2. Insert two 1.5V AA alkaline batteries, observing the correct polarity (+/-).
3. Close the battery compartment cover.

Once wiring and batteries are installed, reattach the front cover to the backplate. Restore power to the heating system.

6. INITIAL SETUP

6.1 Setting the Current Time

1. Gently rotate the central time dial clockwise until the current time aligns with the fixed pointer on the thermostat. The dial is a 24-hour clock.

6.2 Setting the Desired Temperature

1. Rotate the temperature dial on the right to your desired room temperature. This is the temperature the thermostat will maintain during 'ON' periods.

7. OPERATION

7.1 Daily Programming

The VEMER VE618500 CM100 uses 96 movable riders around the time dial for daily programming. Each rider represents a 15-minute interval.

1. **To set an 'ON' period (heating active):** Push the corresponding riders outwards.
2. **To set an 'OFF' period (heating inactive):** Push the corresponding riders inwards.

The thermostat will activate the heating system when the current time falls within an 'ON' period (riders pushed outwards) and the room temperature is below the set temperature.

7.2 Mode Selection

Use the mode selector switch (see [Figure 2](#)) to choose the operating mode:

- **Programmed Mode (Clock/Timer Symbol):** The thermostat operates according to the daily program set by the riders on the time dial.
- **Continuous ON Mode (Sun Symbol):** The heating system will remain active continuously, attempting to maintain the set temperature, regardless of the program.
- **OFF Mode (Moon Symbol / Snowflake Symbol):** The heating system will remain off, regardless of the program or temperature. This is useful for extended absences or during warmer seasons.

8. MAINTENANCE

8.1 Battery Replacement

When the batteries are low, the thermostat's performance may be affected. Replace the batteries as follows:

1. Carefully remove the front cover of the thermostat.
2. Open the battery compartment.
3. Remove the old batteries and dispose of them properly.
4. Insert two new 1.5V AA alkaline batteries, ensuring correct polarity.
5. Close the battery compartment and reattach the front cover.

After battery replacement, you may need to reset the current time.

8.2 Cleaning

Clean the thermostat's exterior with a soft, dry, or slightly damp cloth. Do not use chemical cleaners, abrasives, or solvents, as these can damage the casing.

9. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Thermostat not turning on / No display	Dead or incorrectly inserted batteries.	Check battery polarity; replace batteries.
Heating not activating	<ul style="list-style-type: none"> • Mode selector in 'OFF' position. • Room temperature is above set temperature. • Programmed 'OFF' period. • Wiring issue. • Boiler fault. 	<ul style="list-style-type: none"> • Switch to 'Programmed' or 'Continuous ON' mode. • Lower the set temperature. • Check time dial riders for 'ON' period. • Verify wiring connections (consult a professional). • Check boiler status.
Heating runs continuously	Mode selector in 'Continuous ON' position.	Switch to 'Programmed' or 'OFF' mode.
Incorrect time display	Time dial not set correctly.	Adjust the time dial to the current time.

10. SPECIFICATIONS

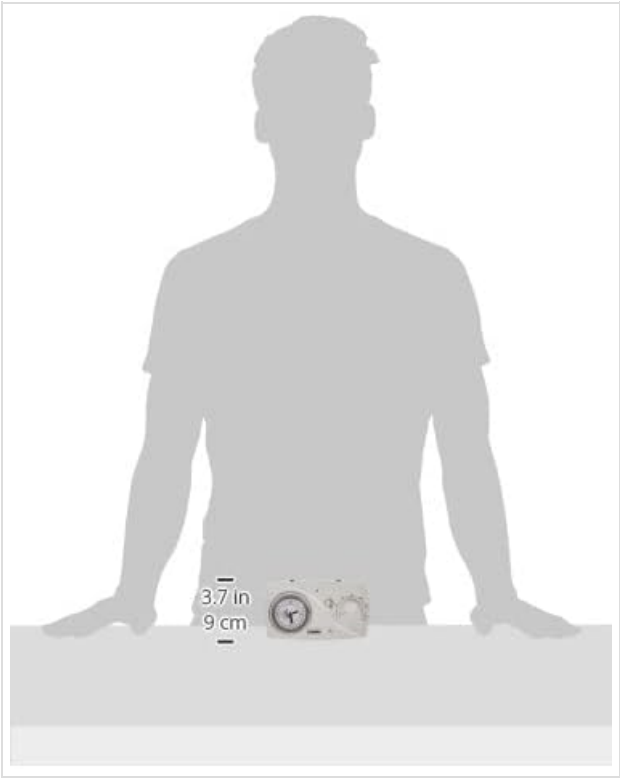


Figure 4: Thermostat Dimensions. This image provides a visual representation of the VEMER VE618500 CM100 thermostat's dimensions, indicating a width of approximately 15.6 cm (6.1 inches) and a height of 9 cm (3.5 inches).

Feature	Detail
Model	VE618500 CM100
Brand	VEMER

Feature	Detail
Color	White
Dimensions (L x W x H)	15.6 x 3.3 x 9 cm (approx. 6.1 x 1.3 x 3.5 inches)
Weight	183 g (approx. 6.4 oz)
Power Supply	2 x 1.5V AA Batteries
Voltage	3 Volts (battery)
Material	Plastic
Operating Mode	Heating
Programming	Daily, 15-minute intervals (mechanical riders)
Installation	Wall-mounted
Controller Type	Dial / Mechanical
Special Feature	Clock Display
Product Usage	HVAC Systems (Heating)
Temperature Control Type	Manual


11. WARRANTY AND SUPPORT

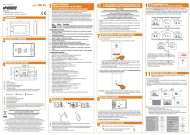




This VEMER product is covered by a manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your purchase or contact VEMER customer support. For technical assistance or inquiries, please visit the official VEMER website or contact their authorized service centers.



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Related Documents - VE618500 CM100

	<p>Vemer ThermoPro Programmable Radiator Thermostat User Manual</p> <p>User manual for the Vemer ThermoPro programmable radiator thermostat (model VE740700). Learn about installation, programming, functions, and safety features for efficient home heating control.</p>
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	<p>Vemer TUO 4G-LTE Smart Thermostat User Manual and Installation Guide</p> <p>Comprehensive user manual and installation guide for the Vemer TUO 4G-LTE smart thermostat. Learn about setup, programming, local and remote control, technical specifications, and disposal information.</p>
	<p>Vemer Climate Control Devices: Thermostats, Chronothermostats, and Humidistats Catalog</p> <p>Explore Vemer's comprehensive catalog of advanced climate control solutions, featuring a wide range of thermostats, chronothermostats, and humidistats designed for modern homes and buildings. Discover innovative features and quality Italian design.</p>
	<p>Vemer Dafne Digital Programmable Thermostat User Manual</p> <p>Comprehensive user manual for the Vemer Dafne digital programmable thermostat, covering installation, programming, operation, safety, and technical specifications for efficient home climate control.</p>
	<p>Vemer TUO 4G LTE Smart Thermostat User Manual</p> <p>Comprehensive user manual for the Vemer TUO 4G LTE Smart Thermostat, covering installation, configuration, programming, and operation for heating and air conditioning systems.</p>
	<p>ThermoPro Wi-Fi Smart Thermostat for Radiators - Vemer Intelligent Control & Energy Savings</p> <p>Discover the ThermoPro Wi-Fi smart thermostat for radiators by Vemer. Offers multi-zone control, efficient energy management, weekly programming, and remote control via smartphone app for optimal home comfort and reduced energy consumption.</p>