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› [VEMER](#) /

› [VEMER THALOS Key Thermostat User Manual](#)

## VEMER VE718300

# VEMER THALOS Key Thermostat User Manual

Model: VE718300

## INTRODUCTION

The VEMER THALOS Key Thermostat (Model VE718300) is a wall-mounted device designed for precise temperature control in both heating and air conditioning systems. Featuring a clear display with blue backlighting and two intuitive physical buttons, it offers both elegance and ease of use. This manual provides essential information for the installation, operation, and maintenance of your thermostat.



Figure 1: Front view of the VEMER THALOS Key Thermostat, showing the large digital display and two control buttons.

## SETUP AND INSTALLATION

Proper installation is crucial for the optimal performance of your thermostat. Please follow these steps carefully.

### 1. Mounting the Thermostat

The THALOS Key Thermostat is designed for wall mounting. Choose a suitable location away from direct sunlight, drafts, or heat sources that could affect temperature readings. Ensure the mounting surface is flat and stable.

1. Carefully separate the front cover from the base unit.
2. Position the base unit on the wall at the desired height.
3. Mark the drilling points through the designated holes on the base.
4. Drill holes and insert wall plugs if necessary.
5. Secure the base unit to the wall using appropriate screws.

### 2. Battery Installation

The thermostat is powered by batteries.

- Locate the battery compartment on the back of the thermostat.
- Insert two (2) 1.5V AAA batteries, ensuring correct polarity (+/-).
- Close the battery compartment cover securely.

### 3. Wiring and Connections

Connect the thermostat to your heating or air conditioning system according to the wiring diagram. The thermostat also features a configurable digital input.



Figure 2: Installation diagram illustrating the front dimensions, side profile, and wiring schematic for the VEMER THALOS Key Thermostat.

The schematic shows connections for NA (Normally Open), NC (Normally Closed), COM (Common), and an auxiliary input (EST).

- Connect the system wires to the appropriate terminals (NA, NC, COM) as indicated in the wiring schematic. Consult a qualified electrician if you are unsure about the wiring.
- The digital input (EST) can be configured to connect an external temperature probe or a device that reduces the setpoint by 3°C. Refer to the advanced settings section for configuration details.

## OPERATING INSTRUCTIONS

The THALOS Key Thermostat is designed for straightforward operation.

## 1. Display and Backlight

The thermostat features a large display that shows the current temperature. The blue backlight activates automatically when any button is pressed, improving visibility in low-light conditions.

## 2. Temperature Adjustment

Use the two physical buttons located below the display to adjust the desired temperature (setpoint).

- Press the **Up Arrow** button to increase the setpoint temperature.
- Press the **Down Arrow** button to decrease the setpoint temperature.
- The new setpoint will be displayed temporarily, then the screen will revert to showing the current ambient temperature.

## 3. Key Lock Function

To prevent unauthorized changes to settings, especially in public installations, the thermostat includes a key lock function with a password.

- Consult the full product manual (if provided by VEMER) for specific instructions on how to activate and deactivate the key lock function and set the password.

## 4. Digital Input Configuration

The digital input (EST terminal) offers advanced functionality:

- **External Temperature Probe:** Allows the thermostat to read temperature from an external sensor, useful for specific applications or remote sensing.
- **Setpoint Reduction:** Can be configured to reduce the active setpoint by 3°C when triggered by an external device (e.g., a timer or occupancy sensor).
- Refer to the detailed product manual for programming and configuration steps for the digital input.

## MAINTENANCE

Regular maintenance ensures the longevity and accurate operation of your thermostat.

### 1. Battery Replacement

When the battery indicator appears on the display, or if the display becomes dim, it is time to replace the batteries.

- Open the battery compartment.
- Remove the old 1.5V AAA batteries.
- Insert new 1.5V AAA batteries, observing correct polarity.
- Close the battery compartment.

### 2. Cleaning

To clean the thermostat, gently wipe the surface with a soft, dry cloth. Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the unit.

## TROUBLESHOOTING

If you encounter issues with your VEMER THALOS Key Thermostat, consider the following common solutions:

- **No Display or Dim Display:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary.
- **Incorrect Temperature Reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. Verify that the digital input is not configured for an external probe if one is not connected or functioning correctly.

- System Not Responding (Heating/Cooling):** Check the wiring connections to your HVAC system. Ensure the thermostat is set to the correct mode (heating or cooling, if applicable, though this model seems to be a simple setpoint control). Verify that the setpoint is appropriately above/below the ambient temperature to trigger the system.
- Buttons Unresponsive:** Check if the key lock function is activated. Deactivate it using the password if necessary.

If the problem persists after attempting these steps, please contact VEMER customer support or a qualified technician.

## SPECIFICATIONS

Brand	VEMER
Model Number	VE718300
Model Name	THALOS KEY
Color	White
Dimensions (L x W x H)	12.5 x 3 x 8.5 cm
Weight	190 grams
Power Source	2 x 1.5V AAA Batteries
Controller Type	Push Button
Special Feature	Lockable Keypad
Specific Uses	Heating, Air Conditioning
Digital Input	Configurable for external temperature probe or 3°C setpoint reduction

## WARRANTY AND SUPPORT

For information regarding the product warranty, please refer to the warranty card included with your purchase or visit the official VEMER website. For technical support, troubleshooting beyond this manual, or spare parts inquiries, please contact VEMER customer service directly.

You can typically find contact information on the manufacturer's website or on the product packaging.

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