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› VEMER VE721700 THALOS Key Room Thermostat - User Manual

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User Manual - Model: VE721700

1. INTRODUCTION

The VEMER VE721700 THALOS Key is a wall-mounted room thermostat designed for controlling both heating and air conditioning systems. It features a clear, blue-backlit display and a simple two-button interface for temperature adjustment. This thermostat operates on a 230V mains power supply and includes a keypad lock function for enhanced security, preventing unauthorized changes to settings.



TERMOSTATO THALOS KEY 230



Image 1.1: VEMER THALOS Key 230 Thermostat overview.

2. SAFETY INFORMATION

- **Electrical Installation:** Installation must be performed by a qualified electrician in accordance with local electrical codes and regulations. Ensure the main power supply is disconnected before any installation or maintenance work.
- **Voltage:** This device operates on 230V. Incorrect voltage can damage the unit and pose a safety hazard.
- **Moisture:** Do not expose the thermostat to water or excessive humidity.
- **Cleaning:** Use a dry, soft cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Disassembly:** Do not attempt to disassemble or repair the unit yourself. Refer all servicing to qualified personnel.

3. PRODUCT OVERVIEW

The THALOS Key thermostat features a minimalist design with essential controls for ease of use.

3.1 Components

- **Display:** Blue-backlit LCD screen showing current temperature and operating status.
- **Up/Down Buttons:** Two physical buttons for adjusting the set temperature.
- **Mounting Plate:** For secure wall installation.

3.2 Key Features

- Room thermostat for heating and air conditioning.
- 230V power supply.
- Two physical buttons for temperature adjustment.
- Blue backlit display for clear visibility.
- Keypad lock function with password, ideal for public installations.



Keypad Lock



Display & Buttons



230V Power



Heating/Cooling

4. SETUP AND INSTALLATION

Important: Ensure the main power supply is turned off before beginning installation. This device requires professional installation.

4.1 Mounting the Thermostat

1. Choose a suitable location on an interior wall, away from direct sunlight, drafts, or heat sources that could affect temperature readings.
2. Carefully detach the front panel from the mounting plate.
3. Position the mounting plate on the wall and mark the drilling points.
4. Drill holes and insert wall plugs if necessary. Secure the mounting plate to the wall using screws.



Image 4.1: Securing the mounting plate to the wall.

4.2 Wiring Diagram

Connect the electrical wires to the terminals on the mounting plate as shown in the diagram below. Ensure all connections are secure and correctly polarized.



Image 4.2: Connecting electrical wires to the thermostat terminals.



Image 4.3: Detailed view of wiring connections.

After wiring, carefully reattach the front panel to the mounting plate. Restore power to the thermostat.



Image 4.4: Front view, side view with dimensions, and wiring schematic for the THALOS Key 230.

5. OPERATING INSTRUCTIONS

5.1 Power On/Off

Once connected to the 230V mains supply, the thermostat will power on automatically. The blue backlit display will illuminate, showing the current room temperature.

5.2 Adjusting Temperature

Use the **Up** (▲) and **Down** (▼) buttons located below the display to set your desired temperature. Each press will adjust the temperature by a specific increment (e.g., 0.5°C or 1°F, refer to specific model settings if programmable). The display will show the set temperature temporarily, then revert to the current room temperature.

5.3 Keypad Lock Function

The keypad lock function prevents unauthorized changes to the thermostat settings. To activate or deactivate the keypad lock:

1. Access the lock menu (specific button combination or long press, refer to advanced settings if available).
2. Enter the pre-set password.
3. Toggle the lock status.

When locked, the buttons will not respond to presses, and a lock icon may appear on the display.

6. MAINTENANCE

- **Cleaning:** Regularly wipe the thermostat's surface with a soft, dry cloth to remove dust. Do not use liquid cleaners or sprays directly on the unit.
- **Inspection:** Periodically check the wiring connections for any signs of wear or looseness. Ensure the thermostat is securely mounted to the wall.
- **No User-Serviceable Parts:** The VEMER VE721700 THALOS Key does not contain any user-serviceable parts. Do not attempt to open the casing.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Thermostat display is blank.	No power supply or incorrect wiring.	Check the main power supply. Verify wiring connections are secure and correct (refer to Section 4.2). Consult a qualified electrician if unsure.
Thermostat not controlling heating/cooling.	Incorrect temperature setting, system mode, or wiring issue.	Ensure the set temperature is appropriate for activation (e.g., higher than room temp for heating). Verify the system is in the correct mode (heating/cooling). Check wiring connections.
Buttons are unresponsive.	Keypad lock is active.	Deactivate the keypad lock using the password (refer to Section 5.3).
Inaccurate temperature reading.	Thermostat location affected by external factors.	Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources. Relocate if necessary.

8. SPECIFICATIONS

- Brand:** VEMER
- Model Number:** VE721700
- Color:** Black
- Dimensions (L x W x H):** 12.5 x 3 x 8.5 cm
- Weight:** 190 grams
- Voltage:** 230 Volts
- Special Features:** Keypad lock with password, blue backlight
- Controller Type:** Push-button
- Temperature Control Type:** Manual
- Power Source:** Electric cable
- Product Usage:** HVAC systems (Heating, Ventilation, Air Conditioning)

9. WARRANTY AND SUPPORT

- VEMER products are manufactured to high-quality standards. For warranty information, please refer to the documentation provided with your purchase or visit the official VEMER website. If you encounter any issues or require technical assistance, please contact VEMER customer support or your authorized dealer.
- Online Support:** For additional resources, FAQs, and contact information, please visit the VEMER official website.

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