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VEMER VN171500

VEMER VN171500 KEO-A Built-in Thermostat Instruction Manual

Model: VN171500 | Brand: VEMER

1. PRODUCT OVERVIEW

The VEMER KEO-A VN171500 is a built-in thermostat designed for precise temperature regulation in both heating and cooling systems. It features an intuitive knob for setting the desired temperature and is compatible with standard 230V electrical systems. This manual provides essential information for proper installation, operation, and maintenance of your thermostat.



Figure 1: VEMER KEO-A VN171500 Thermostat, highlighting its 230V power compatibility.

2. FEATURES

- **Built-in Thermostat:** Designed for 3-module flush-mounted boxes, suitable for heating and cooling systems.
- **Heating and Cooling Control:** Supports ON/OFF or proportional regulation for both winter (heating) and summer (cooling) modes, ideal for boilers or heat pumps.
- **Knob Control:** Features an intuitive front knob for simple and immediate temperature setting, eliminating complex displays or menus.
- **230V Power Supply:** Compatible with standard electrical power, suitable for domestic and professional systems requiring a direct 230V connection.
- **Interchangeable Faceplates:** Includes two faceplates (anthracite grey and white) to match home decor, offering customizable design.
- **Adaptability to Civil Series:** Includes adapters for integration with main civil series plates, ensuring perfect installation and consistent design.
- **Made in Italy:** High-quality product manufactured in Italy, ensuring reliability, precision, and attention to detail for long-lasting performance.

3. INSTALLATION

Installation should be performed by qualified personnel in compliance with local electrical regulations. Ensure the main power supply is disconnected before beginning installation.

3.1 Thermostat Components

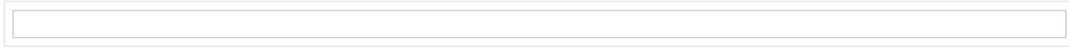


Figure 2: Exploded view of the VEMER KEO-A thermostat, showing the main unit, the interchangeable white faceplate, and the temperature setting knob. This illustrates how the components fit together for installation.

3.2 Component Identification and Faceplates



Figure 3: Front view of the VEMER KEO-A thermostat, showing both the white and anthracite grey faceplates. Numbered labels indicate key features such as the temperature knob and mode switch for easy identification.

1. Anthracite Grey Faceplate
2. White Faceplate
3. Temperature Setting Knob (Anthracite)
4. Mode Switch (Anthracite)
5. Temperature Setting Knob (White)

3.3 Wiring Diagram and Dimensions



Figure 4: Technical views of the KEO-A thermostat, including frontal and side dimensions (69mm width, 50mm height, 51mm depth) and the electrical wiring diagram. The diagram shows connections for N (Neutral), L (Live), and the output terminals (NA, COM, NC) for controlling the heating/cooling system.

The thermostat is designed for flush mounting in a 3-module box. Refer to Figure 4 for precise dimensions and the wiring diagram. Ensure correct connection of Live (L), Neutral (N), and the control outputs (NA, COM, NC) to your heating or cooling system. Always ensure the power is off before handling electrical components.

4. OPERATING INSTRUCTIONS

The VEMER KEO-A thermostat is designed for straightforward operation using its front knob and mode switch.

4.1 Setting Temperature and Mode



Figure 5: Close-up of the VEMER KEO-A thermostat with the anthracite grey faceplate, highlighting the temperature setting knob and the heating/cooling mode switch.

- **Temperature Adjustment:** Rotate the central knob to set your desired room temperature. The scale around the knob indicates temperature values.
- **Mode Selection:** Use the small switch located below the knob to select between heating (winter), cooling (summer), or off modes.

5. MAINTENANCE

The VEMER KEO-A thermostat requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Periodically wipe the surface of the thermostat with a soft, dry cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Annually, or if you suspect an issue, have a qualified electrician inspect the wiring connections to ensure they are secure.
- **Avoid Obstructions:** Ensure that the thermostat is not covered by furniture, curtains, or other objects that could obstruct airflow and affect temperature readings.

6. TROUBLESHOOTING

If you encounter issues with your VEMER KEO-A thermostat, consider the following common troubleshooting steps:

Problem	Possible Cause	Solution
System not heating/cooling	Incorrect mode selected (e.g., cooling when heating is needed), temperature set too low/high, power supply issue, system fault.	Verify the mode switch is in the correct position. Adjust the temperature knob to a higher/lower setting than the current room temperature. Check the main power supply. Consult a qualified technician if the issue persists.
Inaccurate temperature reading	Thermostat location affected by drafts, direct sunlight, or heat sources.	Ensure the thermostat is located in an area that accurately reflects the room's ambient temperature, away from direct heat or cold sources.
Thermostat not responding	No power, loose wiring connection.	Check the circuit breaker. Ensure all wiring connections are secure (consult a qualified electrician).

For complex issues or if troubleshooting steps do not resolve the problem, please contact technical support.

7. SPECIFICATIONS

Feature	Detail
Manufacturer	VEMER
Model Number	VN171500
Item Weight	90 g
Product Dimensions	6.9 x 5.1 x 5 cm
Color	White/Grey/Anthracite (interchangeable faceplates)
Style	230V
Material	Plastic
Power Source Type	Corded Electric
Voltage	230 Volts
Display Style	LED (indicator light)
Electrical Socket Type	Wall Mount
Special Features	Lockable
Specific Uses	Boiler, Heater, Air Conditioner, Heat Pump

Feature	Detail
Included Components	Thermostat; white and anthracite grey faceplates; adapters for main civil series plates
Made in	Italy

8. WARRANTY AND SUPPORT

For any difficulties or technical assistance, please contact VEMER technical support.

Technical Support Email: assistenza.technica@vemer.it

Please refer to your purchase documentation for specific warranty terms and conditions.