Vaillant calorMATIC 350

Vaillant calorMATIC 350 Room Temperature Controller Instruction Manual

Model: 0020124472

1. Introduction

This manual provides comprehensive instructions for the installation, operation, and maintenance of the Vaillant calorMATIC 350 room temperature controller. The calorMATIC 350 is a digitally modulated room thermostat designed for intuitive control of your heating system.
It features a clear, illuminated display and is compatible with all Vaillant heat generators equipped with an eBUS interface.

2. Safety Information

Please read these safety instructions carefully before installing or operating the device. Failure to follow these instructions may result in property damage, personal injury, or death.

- Installation and maintenance must only be performed by qualified personnel.
- Ensure the power supply to the heating system is disconnected before any installation or wiring work.
- Do not expose the device to moisture or extreme temperatures.
- Do not attempt to repair the device yourself. Contact qualified service personnel.

3. Package Contents

Verify that all components are present in the package:

- Vaillant calorMATIC 350 Room Temperature Controller
- Wall mounting base
- Mounting screws and wall plugs
- Instruction Manual



Figure 3.1: Contents of the calorMATIC 350 package, showing the thermostat unit, instruction manual, and mounting accessories.

4. Setup and Installation

The calorMATIC 350 is designed for quick commissioning with an installation assistant. It connects to Vaillant heating systems via the eBUS interface.

4.1. Mounting Location

Choose a suitable location for the thermostat, typically on an interior wall in a main living area, away from direct sunlight, drafts, or heat sources that could affect temperature readings.

4.2. Wiring

Connect the calorMATIC 350 to your Vaillant heat generator using the eBUS interface. Refer to your heating system's manual for specific eBUS connection points. Ensure power is disconnected before wiring.

4.3. Initial Power-Up and Configuration

Upon initial power-up, the device will display a loading screen, followed by an installation assistant to guide you through basic settings such as language and time.



Figure 4.1: The calorMATIC 350 display during the initial loading sequence.

The installation assistant will prompt for specific operating parameters. Follow the on-screen instructions to complete the setup.

5. Operating Instructions

The calorMATIC 350 features intuitive operation without requiring prior knowledge. The clear, illuminated display shows current settings and allows for easy adjustments.

5.1. Display Overview

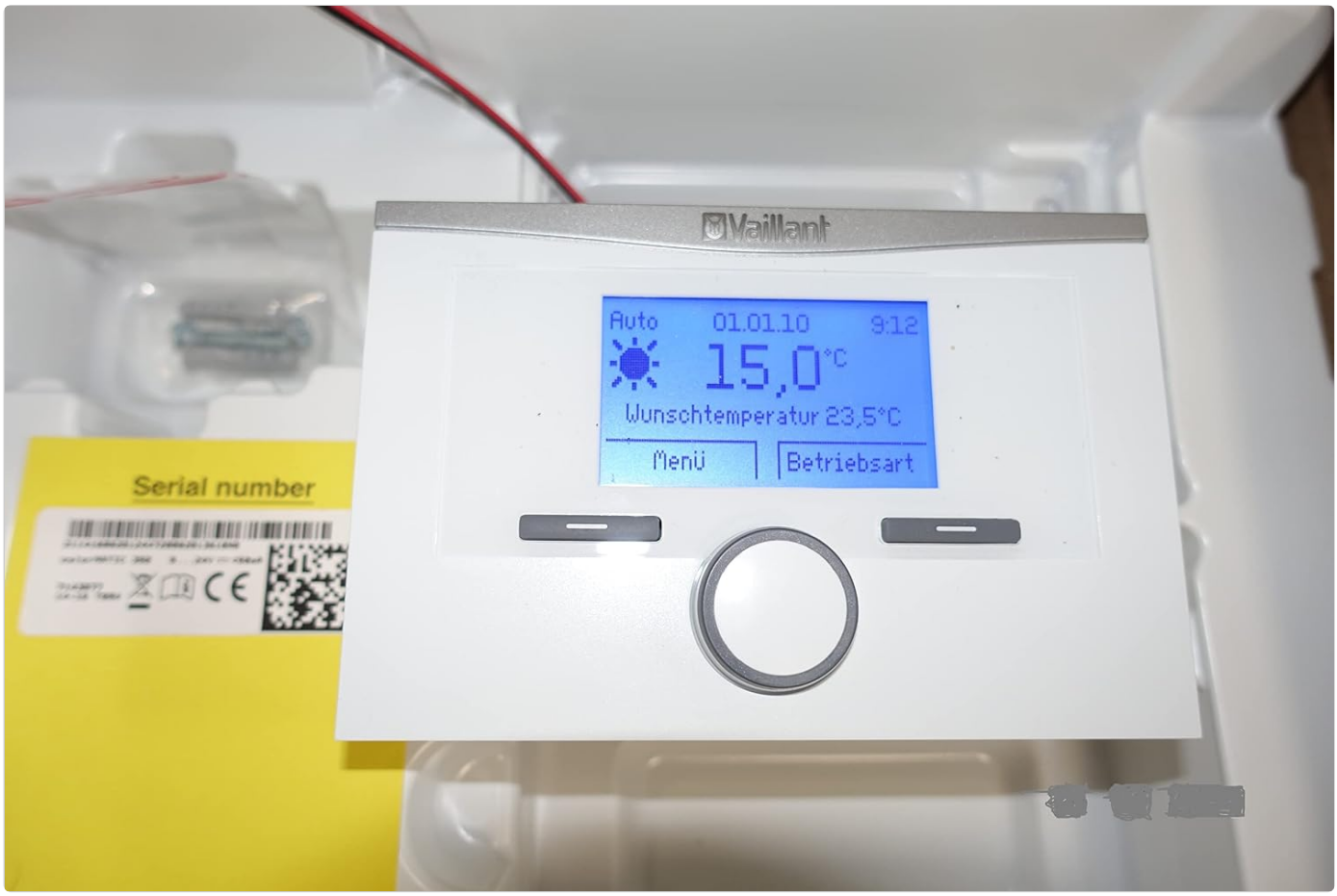


Figure 5.1: Main display of the calorMATIC 350, showing current room temperature (15.0°C), desired temperature (23.5°C), and menu navigation options.

The display typically shows the current room temperature, the desired setpoint temperature, and navigation options (e.g., "Menu", "Betriebsart" - Operating Mode).

5.2. Setting Temperature

Use the rotary knob to adjust the desired room temperature. Press the knob to confirm selections or enter menus.

5.3. Programming Schedules

The device supports both daily and weekly programming schedules. Access the programming menu to set specific heating times and temperatures for different periods of the day or week.

- **Weekly Program:** Allows for different settings on weekdays and weekends.
- **Holiday Function:** Temporarily overrides the schedule for extended periods away.
- **Summer Function:** Disables heating during warmer months.

5.4. Automatic Time Change

The calorMATIC 350 automatically adjusts for daylight saving time (summer/winter time changes).

6. Maintenance

The Vaillant calorMATIC 350 requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Wipe the device with a soft, dry cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any visible damage or loose connections.

- **Software Updates:** Consult your Vaillant service partner for information on potential software updates.

7. Troubleshooting

This section addresses common issues you might encounter with your calorMATIC 350.

Problem	Possible Cause	Solution
Display is blank	No power supply	Check power connection to the heating system and the thermostat. Ensure circuit breaker is on.
Heating system not responding	eBUS connection issue; Thermostat in "Summer" or "Off" mode	Verify eBUS wiring. Check operating mode settings on the thermostat. Consult heating system manual.
Incorrect temperature reading	Thermostat location affected by external factors (drafts, direct sunlight)	Relocate the thermostat to a more suitable position if possible.

If problems persist, contact Vaillant customer support or a qualified service technician.

8. Technical Specifications

- **Model:** calorMATIC 350
- **Part Number:** 0020124472
- **Brand:** Vaillant
- **Dimensions (L x W x H):** 40 x 30 x 15 cm
- **Weight:** 800 g
- **Voltage:** 230 Volts
- **Material:** Plastic
- **Interface:** eBUS system interface
- **Controller Type:** Mechanical rotary knob and buttons
- **Temperature Control:** Room temperature guided
- **Power Source:** Electric cable
- **Specific Uses:** Residential, Commercial

9. Warranty and Support

For warranty information, please refer to the documentation provided with your purchase or contact your local Vaillant representative. Vaillant offers a standard manufacturer's warranty on its products.
For technical support, spare parts, or service inquiries, please contact your authorized Vaillant installer or Vaillant customer service. Contact details can typically be found on the Vaillant website for your region.



Figure 9.1: The calorMATIC 350 display showing the 'Kontaktdaten' menu, which may contain contact information for service or support.

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Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question