Vaillant 0020092435

Vaillant calorMATIC 630/3 Outdoor Sensor Regulator User Manual

Model: 0020092435

Introduction Safety Information Product Overview Setup Operating Instructions Maintenance Troubleshooting Specifications Warranty & Support

1. Introduction

This manual provides essential information for the installation, operation, and maintenance of your Vaillant calorMATIC 630/3 outdoor sensor regulator. Please read these instructions carefully before installation and use to ensure safe and efficient operation of the device. Keep this manual for future reference.

The Vaillant calorMATIC 630/3 is a sophisticated multi-circuit heating regulator designed for managing complex heating systems. It offers easy adaptation through modular expansion and user-friendly operation via a clear, backlit text display with guided function levels. The system supports communication via internet or PC with additional equipment. Key features include temperature adjustment with a time program for one direct and two regulated heating circuits, plus a water heater. It incorporates a radio-controlled clock for weekly programming across all heating circuits, hot water preparation, and circulation pump, allowing for three heating times per day. The regulator supports connectable remote devices, thermal disinfection, parallel loading, frost protection, and pump blockage protection. Operating modes for different heating circuits can be switched remotely. It includes four standard VR10 sensors and one outdoor sensor with a DCF radio-controlled clock. The system is expandable up to 14 mixing circuits and cascades up to 6 heating appliances (modular or 1 and 2 levels), and supports up to 8 remote controls. Heating circuits are individually configurable for fixed value settings, return lift, or use as a memory load circuit. It can cascade up to 8 heating appliances with eBUS electronics.

2. Safety Information

Important: Installation and maintenance must only be carried out by a qualified and authorized technician. Failure to comply with these instructions may result in property damage, personal injury, or death.

- Always disconnect power to the heating system before performing any installation, maintenance, or repair work.
- Ensure all electrical connections comply with local and national regulations.

- Do not expose the regulator to moisture or extreme temperatures.
- Keep packaging materials away from children.
- Do not attempt to modify the device. Use only genuine Vaillant spare parts.

3. Product Overview

The calorMATIC 630/3 is a central control unit for your heating system. It manages multiple heating circuits and hot water preparation based on outdoor temperature and programmed schedules.

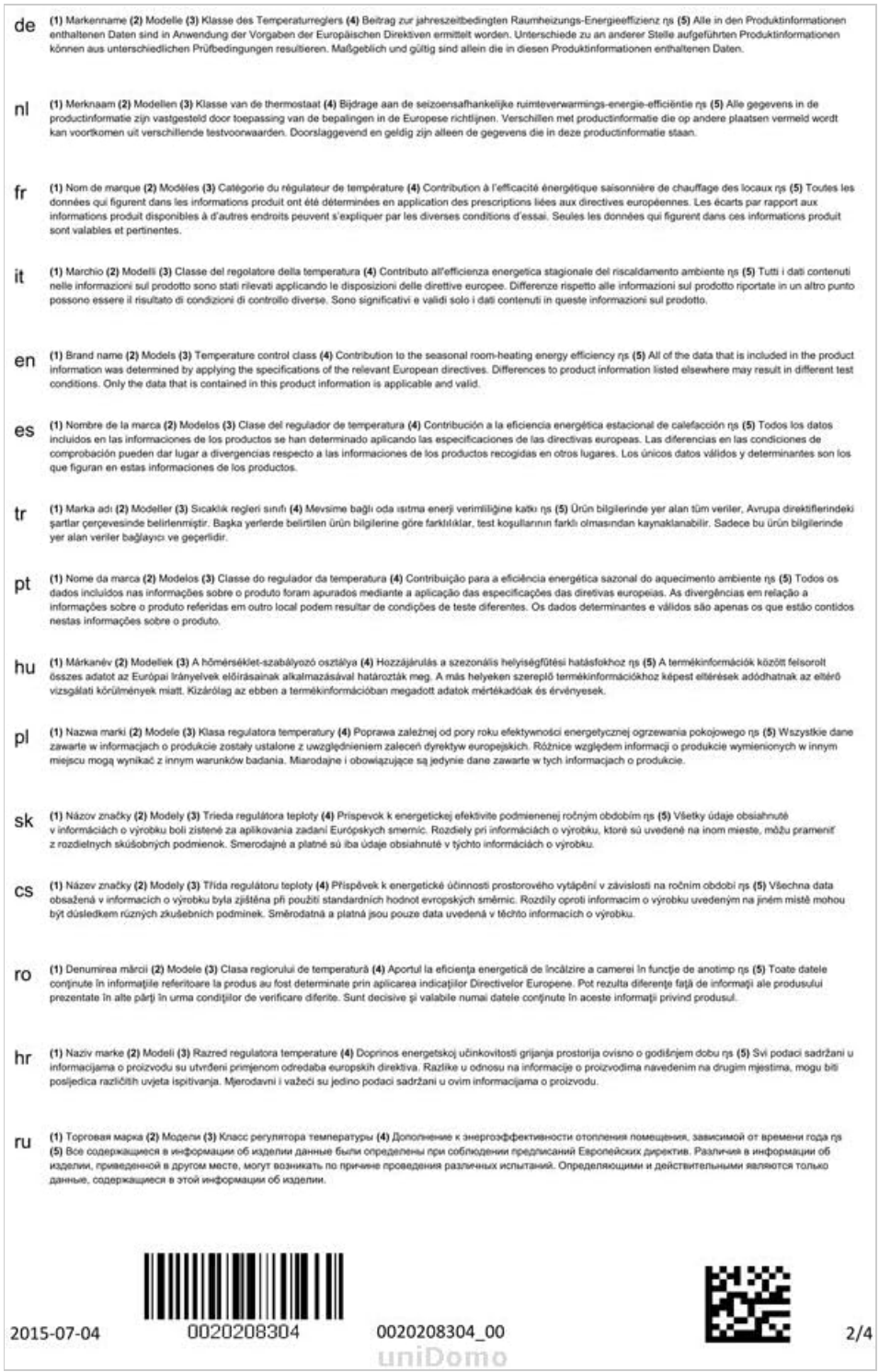


Figure 1: Front view of the Vaillant calorMATIC 630/3 regulator, showing the display and control buttons. This image illustrates the user interface for programming and monitoring the heating system.

Key Components:

- **Display:** Backlit text display for clear information and guided operation.
- **Control Buttons:** For navigation and setting adjustments.
- **Outdoor Sensor:** Measures ambient temperature for weather-compensated control.
- **VR10 Sensors:** Standard sensors for various heating circuits.
- **eBUS Connection:** For communication with Vaillant heating appliances and system expansion.

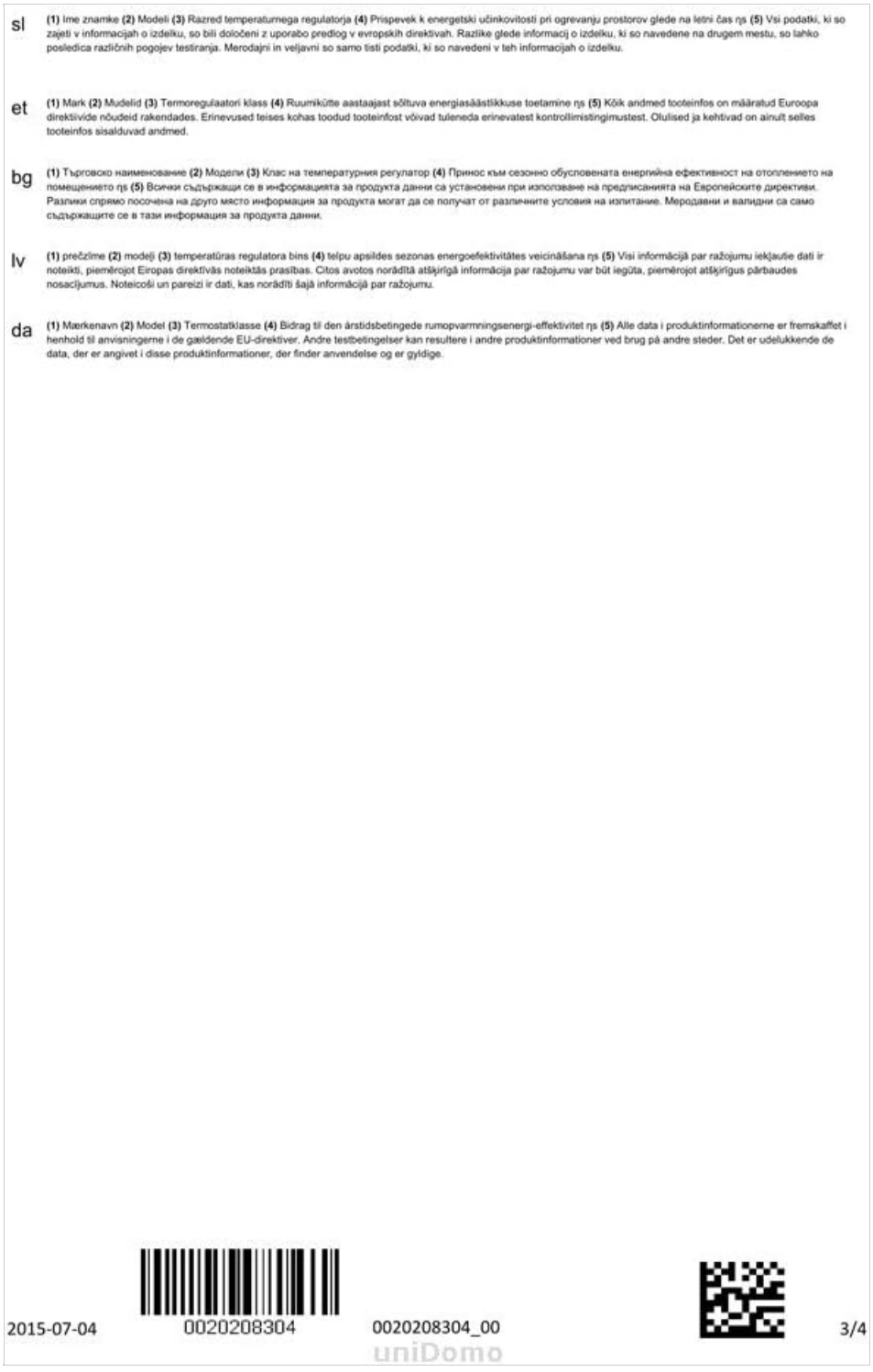


Figure 2: Side view of the Vaillant calorMATIC 630/3 regulator, highlighting connection ports for sensors and eBUS. This image helps identify where external components are connected to the main unit.

4. Setup and Installation

Installation should only be performed by a certified professional. Refer to the detailed installation guide provided with the product for specific wiring diagrams and mounting instructions.

4.1 Mounting Location

- Mount the regulator indoors, in a dry, easily accessible location.
- Avoid direct sunlight, heat sources, or drafts that could affect temperature readings.
- Ensure sufficient space around the unit for ventilation and access.

4.2 Electrical Connections

- Connect the regulator to the eBUS of the Vaillant heating appliance.
- Connect the outdoor sensor to the designated terminals.
- Connect VR10 sensors to their respective heating circuits as per the system design.
- Ensure all wiring is secure and correctly terminated.

4.3 Initial Configuration

- After power-up, the regulator will guide you through the initial setup process on the display.
- Set the current date and time. The radio-controlled clock will automatically synchronize.
- Configure the number of heating circuits and hot water preparation settings according to your system.
- Perform a system test to ensure all components are communicating correctly.

5. Operating Instructions

The calorMATIC 630/3 features an intuitive menu structure accessible via the backlit display and control buttons.

5.1 Basic Navigation

- Use the **Up**/**Down** arrows to scroll through menu options.
- Press **OK** to select an option or confirm a setting.
- Press **Back**/**Menu** to return to the previous screen or access the main menu.

5.2 Setting Time Programs

- Navigate to the "Time Programs" menu.
- Select the desired heating circuit or hot water preparation.
- Set up to three heating times per day for each circuit.
- The radio-controlled clock ensures accurate timekeeping and program execution.

5.3 Operating Modes

The regulator offers various operating modes:

- **Automatic Mode:** Follows programmed time schedules and outdoor temperature compensation.
- **Manual Mode:** Allows continuous heating or hot water preparation at a set temperature.
- **Party Mode:** Extends heating periods temporarily.
- **Holiday Mode:** Reduces heating to a frost protection level for a specified duration.
- **Frost Protection:** Automatically activates heating to prevent freezing when temperatures drop.

5.4 Remote Control (Optional)

If equipped with remote control units, individual heating circuits can be adjusted or switched remotely. Refer to the remote control's specific manual for pairing and operation.

6. Maintenance

The calorMATIC 630/3 is designed for minimal maintenance. Regular checks of the overall heating system by a qualified technician are recommended annually.

6.1 Cleaning

- Clean the exterior of the regulator with a soft, damp cloth.
- Do not use abrasive cleaners or solvents.
- Ensure no liquid enters the device.

6.2 System Checks

- Periodically check the outdoor sensor for obstructions (e.g., leaves, snow) that could affect its readings.
- Ensure all cables are securely connected and show no signs of damage.
- Verify that the time and date are correct on the display.

7. Troubleshooting

If you encounter issues, consult the following table before contacting customer support.

Problem	Possible Cause	Solution
Display is blank	No power supply.	Check power connection to the heating system and regulator. Ensure circuit breaker is on.
Heating not working	Incorrect operating mode; time program not active; outdoor sensor fault.	Check operating mode and time programs. Verify outdoor sensor connection. Consult a technician if the issue persists.
Incorrect temperature readings	Sensor fault; sensor obstructed.	Check sensor connections and ensure sensors are not obstructed or damaged.
Error code on display	System malfunction.	Note the error code and consult the detailed Vaillant service manual or contact a qualified technician.

For problems not listed here or if solutions do not resolve the issue, please contact Vaillant customer support or a certified service technician.

8. Specifications

Feature	Detail
Manufacturer	Vaillant
Model Number	0020092435
Product Dimensions (L x W x H)	42 x 40 x 12 cm
Weight	3.42 kilograms

Feature	Detail
Control Type	Outdoor sensor regulator, multi-circuit
Display	Backlit text display
Time Synchronization	Radio-controlled clock (DCF)
Expandability	Up to 14 mixing circuits, 6 heating appliances, 8 remote controls
Included Sensors	4 x VR10 standard sensors, 1 x outdoor sensor
Communication	eBUS, Internet/PC (with additional equipment)

9. Warranty and Support

9.1 Warranty Information

Vaillant products are manufactured to high quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official Vaillant website. Keep your proof of purchase for warranty claims.

9.2 Customer Support

If you require technical assistance, spare parts, or service, please contact your local Vaillant service partner or visit the official Vaillant website for contact information. When contacting support, please have your product model number (0020092435) and serial number ready.
Official Vaillant Website: www.vaillant.com

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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.

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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