

RIELLO RLE 25 KIS

RIELLO RLE 25 KIS Methane Outdoor Condensing Boiler User Manual

Model: RLE 25 KIS

1. INTRODUCTION

This manual provides essential information for the safe and efficient operation, installation, and maintenance of your RIELLO RLE 25 KIS Methane Outdoor Condensing Boiler. Please read this manual thoroughly before attempting any installation, operation, or maintenance procedures. Keep this manual in a safe place for future reference.

The RIELLO RLE 25 KIS is a high-efficiency methane condensing boiler designed for outdoor installation. It features an intuitive touch control panel with clear icons and a compact design for ease of use and integration.

2. IMPORTANT SAFETY INFORMATION

Your safety and the safety of others are paramount. Always adhere to the following safety guidelines:

- **Professional Installation:** Installation, initial startup, adjustment, and maintenance must be performed by qualified and authorized personnel in accordance with all local and national regulations.
- **Gas Safety:** This appliance uses methane gas. Ensure all gas connections are secure and leak-free. In case of a gas leak, immediately shut off the gas supply, ventilate the area, and contact emergency services. Do not operate electrical switches.
- **Electrical Safety:** Ensure the boiler is properly grounded. Do not operate the boiler with wet hands or if the electrical components are exposed to water. Disconnect power before any service or maintenance.
- **Water Safety:** Do not tamper with the pressure relief valve. Ensure proper water pressure is maintained.
- **Ventilation:** As an outdoor unit, ensure its location allows for proper air circulation and exhaust discharge as per installation guidelines.
- **Children and Pets:** Keep children and pets away from the boiler, especially during operation.

Failure to follow these instructions could result in property damage, personal injury, or death.

3. PRODUCT OVERVIEW

The RIELLO RLE 25 KIS is a state-of-the-art condensing boiler designed for efficient heating and domestic hot water production. Its robust construction and advanced technology ensure reliable performance.



Image: Front view of the RIELLO RLE 25 KIS Methane Outdoor Condensing Boiler. The unit is white, rectangular, with the 'RIELLO' logo on the bottom left and 'RLE' on the bottom right. A digital display and four control buttons are visible at the bottom center.

Key Features:

- Intuitive touch control panel with representative icons.
- Compact and modern design.
- Heating energy efficiency class A.
- Sanitary energy efficiency profile XL class A.
- Thermal power (heating): 25 kW.
- Hot water quantity (with 25 °C temperature rise): 14.3 l/min.
- Dimensions: 700 x 400 x 300 mm.
- Weight: 31 kg.

4. SETUP AND INSTALLATION

Installation of the RIELLO RLE 25 KIS boiler must be carried out by a certified professional. Incorrect installation can lead to serious hazards and void the warranty. Refer to the separate detailed installation manual provided with the product for comprehensive instructions.

4.1. Pre-Installation Checks

- **Location:** Ensure the chosen outdoor location complies with local regulations for gas appliances and provides adequate clearance for maintenance.
- **Ventilation:** Verify that the location allows for proper air intake and exhaust discharge.
- **Gas Supply:** Confirm the methane gas supply line is correctly sized and accessible.
- **Water Supply:** Ensure cold water inlet and heating system return/flow lines are ready.
- **Electrical Supply:** A dedicated electrical circuit with appropriate voltage and current protection is required.

4.2. Mounting the Boiler

The boiler should be securely mounted on a stable, vertical surface capable of supporting its weight (31 kg). Use appropriate mounting hardware as specified in the installation manual. Ensure the unit is level.

4.3. Connecting Utilities

- **Gas Connection:** Connect the gas supply line to the boiler's gas inlet, ensuring all connections are sealed and tested for leaks.
- **Water Connections:** Connect the heating system flow and return pipes, as well as the domestic cold water inlet and hot water outlet.
- **Electrical Connection:** Wire the boiler to the dedicated electrical supply, following the wiring diagram in the installation manual.
- **Condensate Drain:** Connect the condensate drain line to an appropriate drainage system, ensuring proper slope and trap.

5. OPERATING INSTRUCTIONS

Once installed and commissioned by a professional, your RIELLO RLE 25 KIS boiler is ready for operation. The intuitive touch panel allows for easy control.

5.1. Control Panel Overview

The boiler features a digital display and several touch-sensitive buttons, each represented by an icon. These icons typically include power on/off, heating mode, domestic hot water mode, temperature adjustment, and information/reset functions. Refer to the specific icons on your boiler's panel for their exact functions.

5.2. Initial Startup

1. Ensure the gas supply valve is open.
2. Ensure the water supply valves to the boiler are open and the system pressure is within the recommended range (typically 1.0-1.5 bar).
3. Switch on the electrical power to the boiler.
4. Press the power button on the control panel. The boiler will initiate its startup sequence.

5.3. Adjusting Heating Settings

To adjust the desired heating temperature, navigate to the heating mode using the control panel. Use the '+' and '-' buttons (or similar icons) to set the desired temperature. The display will show the current setting.

5.4. Adjusting Domestic Hot Water (DHW) Settings

To adjust the desired domestic hot water temperature, navigate to the DHW mode. Use the '+' and '-' buttons to set the desired temperature. The boiler will prioritize hot water production when a tap is opened.

5.5. Shutdown

- **Temporary Shutdown:** Press the power button on the control panel. The boiler will enter standby mode.
- **Complete Shutdown (for extended periods or maintenance):** Turn off the electrical power supply to the boiler and close the main gas supply valve.

6. MAINTENANCE

Regular maintenance is crucial for the longevity, efficiency, and safe operation of your RIELLO RLE 25 KIS boiler. Neglecting maintenance can lead to reduced performance and potential safety hazards.

6.1. User Maintenance

- **Exterior Cleaning:** Periodically wipe the exterior of the boiler with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Pressure Check:** Regularly check the system pressure gauge. If the pressure falls below the recommended range (e.g., 1.0 bar), repressurize the system according to the installation manual.

6.2. Professional Maintenance

It is highly recommended to have your boiler serviced annually by a qualified heating engineer. Professional maintenance typically includes:

- Inspection and cleaning of the heat exchanger.
- Checking and adjusting gas pressure.
- Testing safety devices.
- Checking and cleaning the condensate trap and drain.
- Verification of electrical connections.
- Flue gas analysis.

7. TROUBLESHOOTING

This section provides guidance for common issues. For complex problems or if an error code persists, contact a qualified service technician.

Problem	Possible Cause	Solution
No heating/cold radiators	Low system pressure; Thermostat set too low; Boiler in standby mode; Gas supply off.	Check system pressure and repressurize if needed; Increase thermostat setting; Check boiler power and mode; Ensure gas valve is open.
No hot water	DHW temperature set too low; Boiler in standby mode; Water supply off.	Increase DHW temperature setting; Check boiler power and mode; Ensure water supply is open.
Boiler displays an error code	Various internal faults (e.g., ignition failure, sensor error, fan fault).	Note the error code and consult the detailed technical manual or contact a qualified service technician. Attempt a boiler reset if indicated by the manual.
Unusual noises from boiler	Air in system; Pump issue; Component wear.	Bleed radiators to remove air; If noises persist, contact a qualified service technician.

8. TECHNICAL SPECIFICATIONS

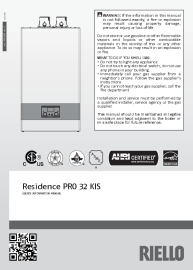
Feature	Value
Brand	RIELLO
Model	RLE 25 KIS
Type	Methane Outdoor Condensing Boiler
Heating Thermal Power	25 kW
DHW Flow Rate (at 25°C rise)	14.3 l/min
Heating Energy Efficiency Class	A
Sanitary Energy Efficiency Profile	XL Class A
Dimensions (L x W x H)	700 x 400 x 300 mm
Weight	31 kg
Color	White






9. WARRANTY AND SUPPORT

Your RIELLO RLE 25 KIS boiler is covered by a manufacturer's warranty. The terms and duration of the warranty are typically provided with your purchase documentation. Please retain your proof of purchase for warranty claims.

For technical support, service, or warranty inquiries, please contact your authorized RIELLO installer or the RIELLO customer service department in your region. Do not attempt to repair the boiler yourself, as this may void the warranty and pose safety risks.

Related Documents - RLE 25 KIS

	<p>Riello Residence PRO 32 KIS User Information Manual - Operation & Maintenance Guide</p> <p>This user information manual for the Riello Residence PRO 32 KIS condensing boiler provides essential guidance on safe installation, operation, and maintenance. It covers features like the Active Combustion Control (ACC) system, troubleshooting, and system management, ensuring efficient and reliable home heating and hot water supply.</p>
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	<p>Riello Family PRO 42 KIS-IS Service Guide: Diagnostics and Maintenance</p> <p>Essential service manual for Riello Family PRO 42 KIS-IS boilers. Provides detailed error code diagnostics, component removal procedures, operational sequences, and safety guidelines for qualified HVAC technicians.</p>
	<p>Riello FAMILY HM e FAMILY HM CONNECT: Caldaie Murali a Condensazione ad Alta Efficienza</p> <p>Scopri le caldaie murali a condensazione Riello FAMILY HM e FAMILY HM CONNECT. Tecnologia avanzata, design iconico, comfort elevato ed efficienza energetica per la tua casa.</p>
	<p>Riello Condexa Pro US Quickstart Guide</p> <p>This quickstart guide provides essential information for the initial setup, operation, and troubleshooting of the Riello Condexa Pro boiler. It emphasizes critical safety warnings and the necessity of consulting the full Installation & Operation Manual.</p>
	<p>Riello RTQ 3S: Caldaie ad Aria Soffiata ad Inversione - Scheda Tecnica</p> <p>Scopri la gamma di caldaie ad aria soffiata Riello RTQ 3S. Soluzioni ad alto rendimento in acciaio per riscaldamento e produzione acqua calda sanitaria. Dati tecnici, dimensioni e installazione.</p>
	<p>Riello 40 Series F3 & F5 Residential Oil Burner Installation Manual</p> <p>Comprehensive installation manual for Riello 40 Series residential oil burners, models F3 and F5. Covers technical data, component identification, setup, mounting, electrical connections, oil line configuration, pump purge, adjustments, and spare parts.</p>