

Junkers ZWB 25/32-1A

Junkers Cerapur Excellence Compact ZWB 25/32-1A Natural Gas Condensing Boiler User Manual

Model: ZWB 25/32-1A | Brand: Junkers

1. INTRODUCTION

This user manual provides essential information for the safe and efficient operation, installation, and maintenance of your Junkers Cerapur Excellence Compact ZWB 25/32-1A natural gas condensing boiler. Please read this manual thoroughly before installation or use and keep it for future reference.

The Junkers Cerapur Excellence Compact boiler is a high-efficiency appliance designed to provide both central heating and domestic hot water. It features a robust design, advanced condensing technology, and a user-friendly digital Multidisplay for easy control.

2. SAFETY INFORMATION

WARNING: Improper installation, adjustment, alteration, service, or maintenance can cause property damage, injury, or death. Read the installation, operating, and maintenance instructions thoroughly before installing or servicing this equipment.

- **Professional Installation:** This appliance must be installed by a qualified and certified professional in accordance with all local and national regulations and standards.
- **Gas Safety:** Ensure proper ventilation. If you smell gas, do not operate electrical switches, light matches, or use any flame. Immediately open windows and doors, and contact your gas supplier or emergency services.
- **Electrical Safety:** Ensure the boiler is properly grounded. Do not touch electrical components with wet hands. Disconnect power before any service or maintenance.
- **Water Pressure:** Regularly check the system pressure as indicated on the boiler's display. Refer to the installation guide for correct pressure ranges.
- **Flammable Materials:** Do not store flammable liquids or materials near the boiler.
- **Children and Pets:** Keep children and pets away from the appliance.

3. SETUP AND INSTALLATION

Installation of the Junkers Cerapur Excellence Compact ZWB 25/32-1A boiler must be performed by a qualified and certified heating engineer. This section provides a general overview; detailed installation instructions are provided in a separate installer's manual.

- **Location:** The boiler is designed for wall-mounting. Ensure the chosen location complies with local regulations regarding ventilation, clearances, and accessibility for servicing.
- **Mounting:** Use the provided template and mounting kit for secure wall installation.
- **Gas Connection:** The boiler is compatible with natural gas, and can be adapted for butane or propane. The gas connection must be made by a certified professional.
- **Water Connections:** Connect the heating flow and return pipes, and the domestic hot water inlet and outlet pipes. Ensure all connections are watertight.
- **Flue System:** Install the gas discharge kit (flue system) according to manufacturer instructions and local regulations to ensure safe exhaust of combustion products.
- **Electrical Connection:** Connect the boiler to the electrical supply as per wiring diagrams and local electrical codes.
- **Initial Fill and Venting:** After installation, the heating system must be filled with water and thoroughly vented to remove air.



Figure 1: Front view of the Junkers Cerapur Excellence Compact ZWB 25/32-1A natural gas condensing boiler, typically white in color, with a digital display panel.

4. OPERATING INSTRUCTIONS

The Junkers Cerapur Excellence Compact boiler features a digital Multidisplay for easy control and monitoring.

- **Power On/Off:** Use the main power switch (usually located on the control panel or near the boiler) to turn the appliance on or off.
- **Digital Multidisplay:** The display shows current operating status, temperatures, and any error codes. Refer to the detailed operating guide for specific icon meanings.
- **Setting Heating Temperature:** Use the designated controls (buttons or rotary knobs) on the control panel to adjust the desired central heating temperature.
- **Setting Domestic Hot Water (DHW) Temperature:** Adjust the DHW temperature using the dedicated controls. The boiler has a capacity of 18.3 liters per minute for hot water.
- **System Pressure:** Monitor the system pressure on the display. If the pressure falls below the recommended level (typically 1.0-1.5 bar when cold), the system may need to be refilled. Consult your installer for instructions on refilling.
- **Frost Protection:** The boiler typically includes an integrated frost protection function. Ensure the boiler remains powered during cold periods to activate this feature.

5. MAINTENANCE

Regular maintenance is crucial for the safe, efficient, and long-lasting operation of your Junkers boiler. All internal maintenance and servicing must be carried out by a qualified and certified heating engineer.

- **Annual Service:** It is highly recommended to have your boiler serviced annually by a qualified professional. This ensures optimal performance, safety, and compliance with warranty conditions.
- **Cleaning:** The exterior casing of the boiler can be cleaned with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no water enters the internal components.
- **System Pressure Check:** Periodically check the system pressure on the digital display. If it consistently drops, there might be a leak in the system, and a professional should be contacted.
- **Ventilation:** Ensure that the area around the boiler is kept clear and that all ventilation openings are unobstructed.

6. TROUBLESHOOTING

This section provides guidance for common issues. For complex problems or if you are unsure, always contact a qualified heating engineer.

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
No heating or hot water	- No power supply - Low system pressure - Gas supply interrupted - Thermostat setting too low	- Check main power switch and circuit breaker. - Check system pressure on display; refill if necessary (consult installer). - Check gas valve and ensure gas supply is active. - Increase thermostat setting. - If problem persists, contact a qualified engineer.
Error code displayed	Internal fault or operational issue.	Note the error code and consult the detailed operating manual or contact a qualified engineer, providing the error code.
Boiler making unusual noises	Air in the system, pump issue, or other internal component fault.	Bleed radiators if air is suspected. If noises persist or are severe, immediately contact a qualified engineer.

7. TECHNICAL SPECIFICATIONS

Below are the key technical specifications for the Junkers Cerapur Excellence Compact ZWB 25/32-1A condensing boiler:

- Model:** ZWB 25/32-1A (Excellence Compact series)
- Manufacturer:** Junkers
- Type:** Wall-mounted Condensing Boiler
- Heating Output:** 25 kW
- Domestic Hot Water (DHW) Output:** 32 kW
- DHW Flow Rate:** 18.3 Liters per minute
- Efficiency:** 94%
- Energy Class (Heating/DHW):** A/A
- Fuel Type:** Natural Gas (adaptable for Butane/Propane)
- Display:** Digital Multidisplay
- Special Features:** High energy efficiency, Condensing technology, Digital multidisplay screen
- Color:** White
- Item Weight:** 12 kg
- Dimensions (Depth):** Compact
- ASIN:** B01N7FC11B
- EAN/UPC:** 04057749086549

8. WARRANTY AND SUPPORT

For detailed information regarding the warranty period and conditions for your Junkers Cerapur Excellence Compact ZWB 25/32-1A boiler, please refer to the warranty card provided with your purchase or visit the official Junkers website. In case of technical issues, service requirements, or questions not covered in this manual, please contact your certified installer or the official Junkers customer support. Ensure you have your boiler's model number (ZWB 25/32-1A) and serial number ready when contacting support.

Junkers Official Website: www.junkers.com (Please note: This is a placeholder URL. Refer to your product

documentation for the correct regional website.)

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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