

Riseon CZ2251ER

Riseon 5000W Electric Garage Heater Instruction Manual

Model: CZ2251ER

1. IMPORTANT SAFETY INFORMATION

Read all instructions before installing or using this heater. Failure to follow these instructions may result in electric shock, fire, property damage, or injury.

- **Electrical Installation:** This 240V heater requires hardwired installation by a qualified electrician. It must be grounded and connected to a properly sized current protection circuit breaker that meets U.S. National Electrical Code and local codes.
- **Overheat Protection:** The heater is equipped with a built-in thermostat and real-time sensors. In case of overheating, the system will automatically cut power to prevent hazards.
- **ETL Certified:** This product is ETL certified, ensuring compliance with safety standards.
- **Clearance:** Maintain minimum distances from combustible materials as specified in the installation section.
- Do not operate the heater with a damaged cord or plug, or after the heater malfunctions or has been dropped or damaged in any manner.
- Do not insert or allow foreign objects into any ventilation or exhaust opening as this may cause an electric shock or fire, or damage the heater.

2. PRODUCT FEATURES

The Riseon 5000W Electric Garage Heater is designed for efficient and versatile heating in various large spaces.

- **Fast Heating & Wide Coverage:** Delivers up to 17,060 BTU, warming spaces up to 592 square feet.
- **Multiple Power Settings:** Features four power settings: 3,000W, 4,000W, 5,000W, and fan-only mode.
- **Dual Control:** Equipped with a multi-function remote control and an LED touch screen for convenient operation.
- **ECO Mode:** Utilizes a precision temperature sensor to automatically adjust operation for optimal energy efficiency.
- **Programmable Timer:** Allows scheduling heating sessions from 1 to 12 hours.
- **Durable Construction:** Made with heavy-duty steel and robust heating elements for long-lasting performance.
- **Thermostat & Overheat Protection:** Integrated thermostat for temperature adjustment and automatic power cut-off upon detecting overheating.
- **Adjustable Angle & Space-Saving:** Features four sets of adjustable louvers and a multi-angle mounting bracket for precise heat direction. The ceiling-mounted design saves floor space.

3. PACKAGE CONTENTS

Please ensure all items are present upon unpacking:

- Riseon 5000W Electric Garage Heater Unit
- Remote Control
- Mounting Bracket
- Installation Hardware (screws, washers)
- User Manual

Note: This 240V heater does not come with a power cord. Hard wire accessories are not included. We advise hiring a licensed electrician to complete the installation.

4. SETUP AND INSTALLATION

This heater is designed for ceiling mounting. Professional installation by a licensed electrician is required.

4.1 Installation Overview

Your browser does not support the video tag.

Video: Installation guide for the Riseon Ceiling Mounted Shop Heater.

4.2 Wiring Connection

1. Turn off the power at the main circuit breaker.
2. Remove all screws from the bottom panel for access to the wiring compartment.
3. Choose a side and open the cutout for wiring entry.
4. Use the copper tips provided (for 7500W/10000W models, 5000W excluded) for better conductivity if applicable.

5. Connect the wires to the power block as instructed, ensuring proper grounding.
6. Tighten all terminal screws and power block lugs with the required torque.
7. Close the bottom panel and tighten the screws.
8. Turn on power at the main circuit breaker panel.

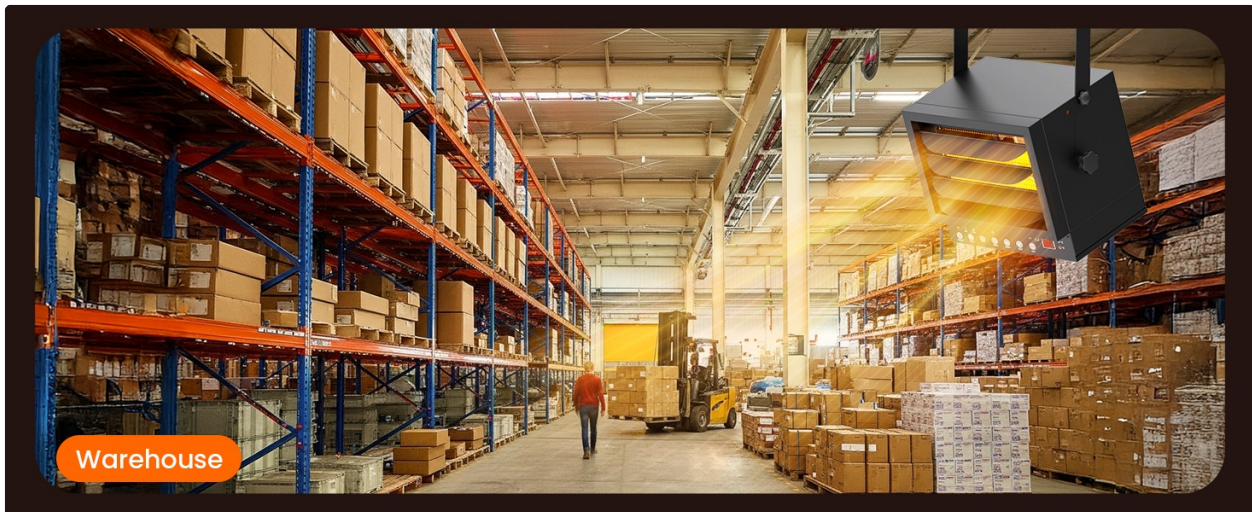


Image: Detailed wiring connection steps for the heater.

4.3 Mounting the Heater

1. Locate a suitable ceiling position, ensuring minimum distances: 8 inches from the side to the wall, 13 inches from the front/back to the wall.
2. Drill pilot holes for the mounting bracket.
3. Place washers on the screws and securely fasten the bracket to the ceiling.
4. Align the lower bracket holes of the heater with the bracket, then align the upper bracket holes.
5. Use the keyhole slots for adjusting the angle of the heater.

240V Electric Garage Heater



Image: The Riseon 5000W Electric Garage Heater installed on a ceiling, demonstrating its space-saving design.

5. OPERATING INSTRUCTIONS

The heater can be controlled via the LED touch screen on the unit or the included remote control.

5.1 Power On/Off

- Press the 'ON/OFF' button on the control panel or remote to turn the heater on or off.

5.2 Mode Selection

- Press the 'MODE' button to cycle through power settings: 3000W (Low), 4000W (Medium), 5000W (High), and Fan Only.



Your All-Season MVP: 4 Modes,
The Ultimate Workshop Companion for Winter Warmth & Summer Cool

Image: Illustration of the four power modes: 5000W (High), 4000W (Middle), 3000W (Low), and Fan Only.

5.3 Temperature Adjustment

- Use the 'TEMP+' and 'TEMP-' buttons on the control panel or remote to set the desired temperature. The built-in thermostat will maintain the set temperature.
- Press the '°F/°C' button to switch between Fahrenheit and Celsius display.



Dual Control, Total Freedom:
Remote & Touch, Adjust Temperature Without Moving a Muscle

Power ON/OFF Mode Selection °F/°C Conversion Timer Setting Temp+ Temp- ECO Mode

Image: The heater's LED touch screen control panel and multi-function remote control.

5.4 ECO Mode

- Activate ECO Mode by pressing the 'ECO' button. The heater will automatically adjust its power output based on the ambient temperature to optimize energy consumption while maintaining comfort.

One-Touch ECO Mode

Smartly Balances Efficiency & Protection



Image: Graph illustrating how ECO Mode intelligently adjusts power to save energy.

5.5 Timer Function

- Press the 'TIMER' button to set the operating duration from 1 to 12 hours. The heater will automatically turn off after the set time.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your heater.

- **Cleaning:** Ensure the heater is turned off and disconnected from power before cleaning. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or solvents.
- **Ventilation:** Keep the air intake and exhaust vents clear of dust and debris to maintain proper airflow.
- **Seasonal Storage:** If storing the heater for an extended period, ensure it is clean and dry. Store in a cool, dry place.

7. TROUBLESHOOTING

If you encounter issues with your heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heater does not turn on.	No power supply, circuit breaker tripped, power button not pressed.	Check power connection, reset circuit breaker, press ON/OFF button.
Heater is not producing heat.	Incorrect mode selected, thermostat set too low, overheat protection activated.	Select a heating mode (3000W, 4000W, 5000W), increase thermostat setting, allow heater to cool down if overheated.
Heater turns off unexpectedly.	Overheat protection activated, timer expired.	Check for obstructions around vents, allow unit to cool. Check timer settings.
Remote control not working.	Dead batteries, obstruction between remote and heater.	Replace batteries, ensure clear line of sight to the heater's receiver.

If problems persist after attempting these solutions, contact customer support or a qualified electrician.

8. SPECIFICATIONS

Feature	Detail
Brand	Riseon
Model Number	CZ2251ER
Heat Output	5000 Watts (17,060 BTU)
Voltage	240 Volts
Power Settings	3000W, 4000W, 5000W, Fan Only
Heating Coverage	Up to 592 square feet
Mounting Type	Ceiling Mount
Control Type	Remote & Touch Screen
Special Features	Adjustable Temperature, Digital Display, Electronic Thermostat, Overheat Protection, ECO Mode, 12H Timer, Adjustable Louvers
Product Dimensions	10.63"D x 14.4"W x 18.62"H

Feature	Detail
Item Weight	24.7 pounds
Color	Black
Certifications	ETL Certified

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact Riseon customer service directly. Keep your purchase receipt as proof of purchase.