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> Riseon 5000W Electric Garage Heater User Manual (Model CZ220ERW)

## Riseon CZ220ERW

# Riseon 5000W Electric Garage Heater User Manual

Model: CZ220ERW | Brand: Riseon

## 1. IMPORTANT SAFETY INFORMATION

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Please read and understand all safety warnings and instructions before using this heater. Failure to follow these instructions may result in electric shock, fire, serious injury, or death.

- **Qualified Electrician Required:** 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 complies with the 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 it meets recognized safety standards.
- **No Power Cord Included:** This 240V heater does not come with a power cord. The electrician will provide the appropriate wiring during installation.
- **Clearance:** Maintain minimum distances from combustible materials as specified in the installation section.

## 2. PRODUCT OVERVIEW

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The Riseon 5000W Electric Garage Heater is designed for efficient heating in various large spaces such as garages, workshops, warehouses, and industrial facilities. It features multiple control options, energy-saving modes, and robust safety features.



Image: Overview of the Riseon Electric Garage Heater, illustrating its application in different environments and available power options.

### Key Features:

- **Fast Heating & Wide Coverage:** Delivers up to 17,060 BTU, warming spaces up to 592 square feet.
- **Multiple Power Settings:** Offers 3,000W, 4,000W, 5,000W, and fan-only modes.
- **Triple Control Options:** Manage settings via Tuya APP, remote control, or LED touch screen.
- **ECO Mode:** Automatically adjusts operation for optimal energy efficiency based on environmental changes.
- **Programmable Timer:** Set heating sessions for 1-12 hours.
- **Thermostat & Overheat Protection:** Ensures consistent temperature and safety.
- **Adjustable Angle & Space-Saving:** Multi-angle mounting bracket and adjustable louvers direct heat effectively.
- **Durable Construction:** Made with heavy-duty steel and durable heating elements.

## 3. INSTALLATION GUIDE

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Proper installation is critical for safe and efficient operation. This heater is designed for ceiling or wall mounting. **Installation must be performed by a qualified electrician.**

### 3.1 Mounting Location

- Choose a location that allows for proper heat distribution and maintains minimum clearances.
- Ensure the mounting surface can support the weight of the heater.
- Minimum distance from the side of the heater to a wall: 8 inches.
- Minimum distance from the front of the heater to a wall: 13 inches.

# One-Touch ECO Mode

Smartly Balances Efficiency & Protection



Image: Heater mounted in a garage, illustrating recommended clearances for optimal performance and safety.

## 3.2 Wiring Connection

The heater requires hardwiring to a 240V power supply. Refer to the detailed steps in the installation video for proper wiring.

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Video: Installation Guide for the Riseon Electric Garage Heater, demonstrating wiring and mounting steps.

## 3.3 Mounting the Bracket and Heater

Use the provided multi-angle mounting bracket to secure the heater to the ceiling or wall. The adjustable louvers allow you to direct warmth to specific areas.

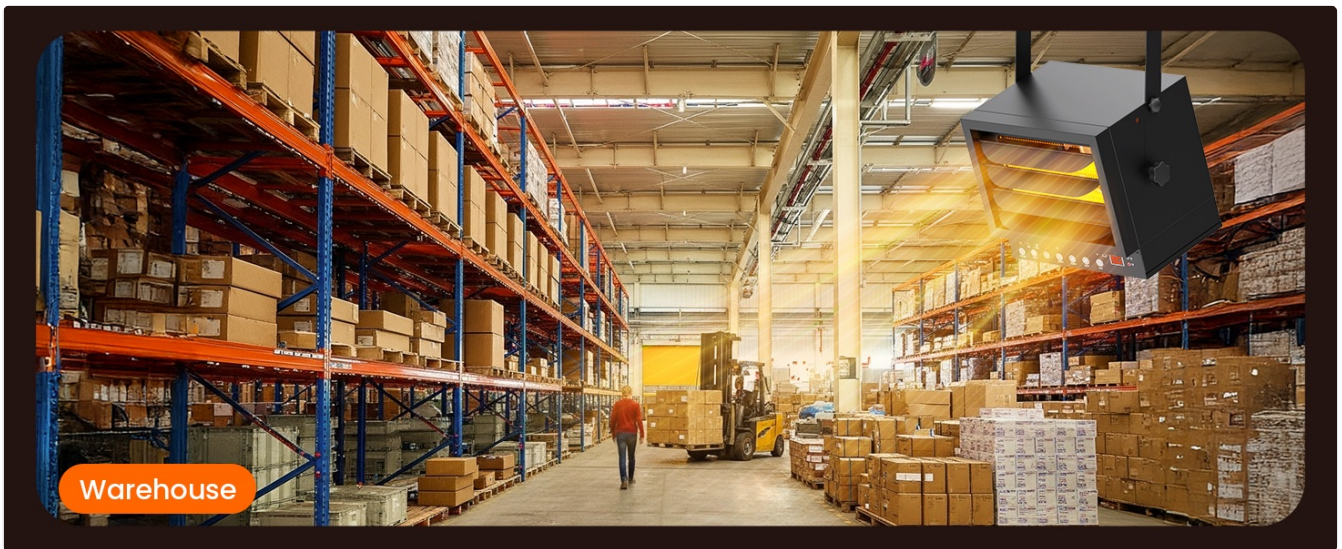


Image: Step-by-step diagram for installing the heater, from opening the panel to final connection.

## 4. OPERATING INSTRUCTIONS

The Riseon Electric Garage Heater offers versatile control options for your convenience.

### 4.1 Control Methods

- **LED Touch Screen:** Directly adjust settings on the heater's control panel.
- **Remote Control:** Use the included remote for convenient adjustments from a distance.
- **Tuya APP (Wi-Fi Control):** Download the Tuya APP to control the heater from your smartphone, allowing for remote adjustments and scheduling.



Image: Overview of the smart triple control options: Tuya APP, touch screen, and remote control.

### 4.2 Using the Tuya APP

Follow these steps to connect and control your heater using the Tuya APP:

1. Download the Tuya APP from your smartphone's app store.
2. Add the device within the app.
3. Use the app to switch the heater on/off, change heating levels (Low, High, Fan Only), set the timer, and adjust ECO mode settings or temperature units ( $^{\circ}\text{F}/^{\circ}\text{C}$ ).

Your browser does not support the video tag.

### 4.3 ECO Mode and Timer

- **ECO Mode:** Activates intelligent temperature control, automatically adjusting power consumption to maintain your desired temperature efficiently.
- **Timer:** Program the heater to operate for a set duration (1-12 hours), allowing for flexible energy management.

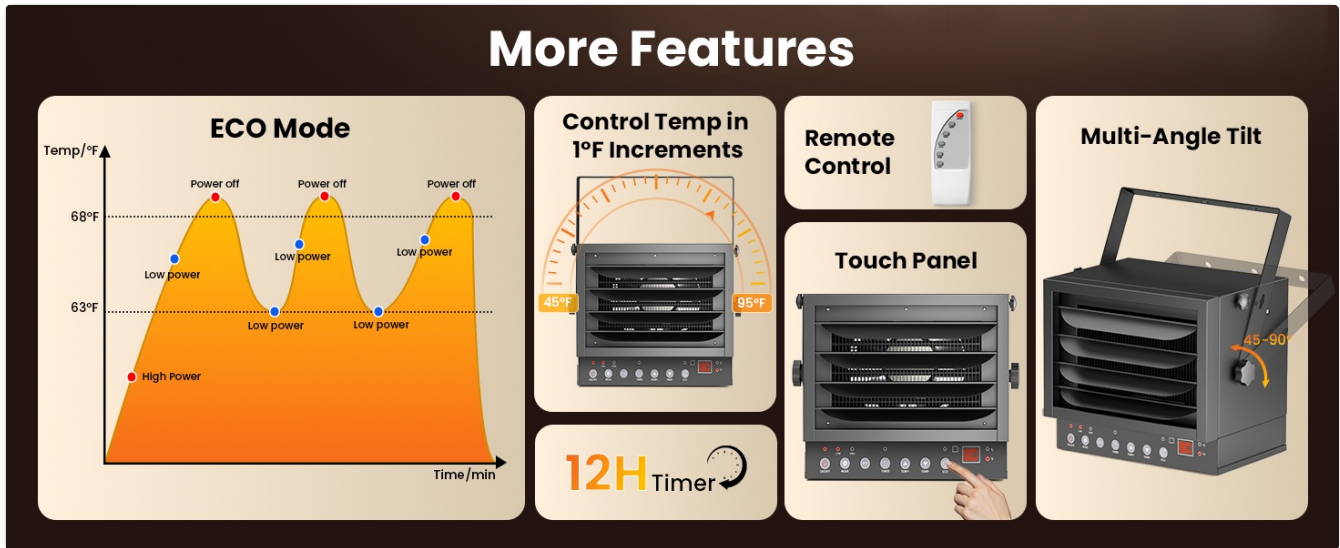


Image: Explanation of ECO Mode, showing how it balances efficiency and protection by adjusting power output.

## 5. MAINTENANCE

Regular maintenance ensures the longevity and safe operation of your heater. Always disconnect power before performing any maintenance.

- **Cleaning:** Periodically wipe the exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Dust Removal:** Use a vacuum cleaner with a brush attachment to gently remove dust from the grilles and internal components.
- **Inspection:** Annually inspect the power connections and mounting hardware for any signs of wear or loosening.

## 6. 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; wiring issue.	Check power supply and circuit breaker. Consult a qualified electrician to inspect wiring.
Insufficient heat output.	Incorrect power setting; room size too large; louvers misdirected.	Adjust to a higher power setting. Ensure louvers are directed towards the desired area. Verify heater capacity matches room size.
Heater turns off unexpectedly.	Overheat protection activated; thermostat reached set temperature.	Allow heater to cool down. Check for obstructions around the heater. Adjust thermostat setting if necessary.

Problem	Possible Cause	Solution
Remote control not working.	Dead batteries; obstruction between remote and heater.	Replace remote control batteries. Ensure a clear line of sight to the heater's receiver.

If the problem persists after attempting these solutions, please contact customer support.

## 7. PRODUCT SPECIFICATIONS

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Specification	Detail
Brand	Riseon
Model Number	CZ220ERW
Special Feature	Adjustable Temperature, Wi-Fi, Remote Control, ECO Mode, Timer, Overheat Protection
Color	Black
Form Factor	Square
Indoor/Outdoor Usage	Indoor
Heating Coverage	Up to 592 square feet
Heat Output	17060 British Thermal Units (BTU)
Fuel Type	Electric
Number of Speeds	4 (3000W, 4000W, 5000W, Fan Only)
Max Temperature Setting	95 Degrees Fahrenheit
Product Dimensions	14.4 x 10.6 x 18.6 inches
Item Weight	25.9 pounds
Manufacturer	Riseon
Date First Available	August 18, 2025

## 8. WARRANTY AND SUPPORT

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