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TEMPWARE TW10000ER-EC

TEMPWARE 10000W Electric Garage Heater 240V Instruction Manual

Model: TW10000ER-EC

Introduction

This manual provides essential information for the safe installation, operation, and maintenance of your TEMPWARE 10000W Electric Garage Heater. Please read this manual thoroughly before attempting to install or operate the heater. Retain this manual for future reference.



Image: TEMPWARE 10000W Electric Garage Heater highlighting key features such as rapid heating, ECO mode, thermostat, overheat protection, and timer function.

Important Safety Information

Failure to follow these instructions may result in electric shock, fire, property damage, or personal injury. Always adhere to local electrical codes and safety regulations.

- **Professional Installation Required:** This heater requires a hardwired 240V connection. Installation must be performed by a qualified electrician in compliance with the National Electrical Code (NEC) and all local codes.

- **No Power Cord Included:** The unit does not include a power cord. It requires direct wiring to a properly sized circuit breaker for safe and reliable operation.
- **Overheat Protection:** The heater is equipped with an automatic overheat protection system that shuts off the unit if it reaches an unsafe temperature. If this occurs, allow the unit to cool down before attempting to restart.
- **Clearance:** Maintain adequate clearance from combustible materials. Refer to installation instructions for specific distances.
- **ETL Certified:** All components are ETL-certified for safety.



Image: Visual representation of the heater's overheat protection mechanism, ensuring safe operation.

Package Contents

Verify that all components are present and undamaged upon unpacking.

- TEMPWARE 10000W Electric Garage Heater Unit
- Mounting Brackets and Hardware
- Remote Control
- Wiring Terminal Block
- User Manual (this document)

Setup and Installation

Mounting the Heater

The heater is designed for ceiling mount installation. The variable mounting brackets allow for directional airflow control.

1. Select a suitable mounting location on the ceiling, ensuring adequate clearance from walls and other objects.
2. Securely attach the mounting brackets to the ceiling using appropriate hardware (not included, consult a professional for proper fasteners).
3. Attach the heater unit to the mounting brackets.
4. Adjust the heater to the desired angle (0°, 30°, 60°, or 90°) to optimize heat distribution.



Image: Illustration of the heater's adjustable louvers and variable mounting angles for precise heat direction.

Electrical Connection (Hardwiring)

This heater requires a dedicated 240V circuit. All wiring must be performed by a qualified electrician.

- Ensure power to the circuit is OFF at the main breaker panel before beginning any wiring.
- Connect the heater to a 208-240VAC, 60Hz power supply.
- Use 6 AWG copper wire, rated at 167°F/75°C or larger, hardwired in accordance with NEC and local codes.
- Install a recommended circuit breaker of 60A (or larger, in accordance with NEC and local codes).
- Secure all connections using the provided wiring terminal block and ensure lug torques are 45 in-lbs or greater.



VARIABLE MOUNTING ANGLE



VARIABLE MOUNTING ANGLE



TOUCH CONTROL



Voltage:
208-240VAC, 60Hz

BTU/Hour:
34,120

Recommended Wire Size:
6 AWG, Copper Only rated at 167°F/75°C
(or larger, hardwired in accordance with NEC and local codes)

Recommended Circuit Breaker:
60A
(or larger, in accordance with NEC and local codes)

Recommended Lug Torques:
45 in-lbs
(or greater, in accordance with NEC and local codes)

Image: Detailed view of the heater's electrical specifications and touch control panel.

Operation

Control Panel

The heater features an intuitive control panel with a digital display.

- **Power Button:** Turns the heater ON/OFF.
- **Temperature Buttons (Temp+ / Temp-):** Adjust the desired temperature between 45°F and 95°F.
- **ECO Mode Button:** Activates the smart ECO mode, which automatically adjusts heating output based on ambient temperature.
- **Timer Button:** Sets the programmable timer for 1 to 12 hours.
- **°F/°C Conversion Button:** Toggles the temperature display between Fahrenheit and Celsius.



Image: Close-up view of the heater's digital control panel and thermostat.

Remote Control

The included remote control allows convenient operation from up to 27 feet away.

- **Power ON/OFF:** Activates or deactivates the heater.
- **Temperature Adjustment:** Increases or decreases the set temperature.
- **Timer Setting:** Programs the heater's operating duration.
- **ECO Mode:** Engages or disengages the energy-saving ECO mode.
- **°F/°C Conversion:** Switches temperature units.



Image: Demonstrates both remote control and manual panel control options for the heater.

ECO Mode and Timer Function

The ECO mode intelligently adjusts heating output to maintain the desired temperature efficiently. The programmable timer allows you to set the heater to operate for a specific duration (1-12 hours), optimizing energy usage.

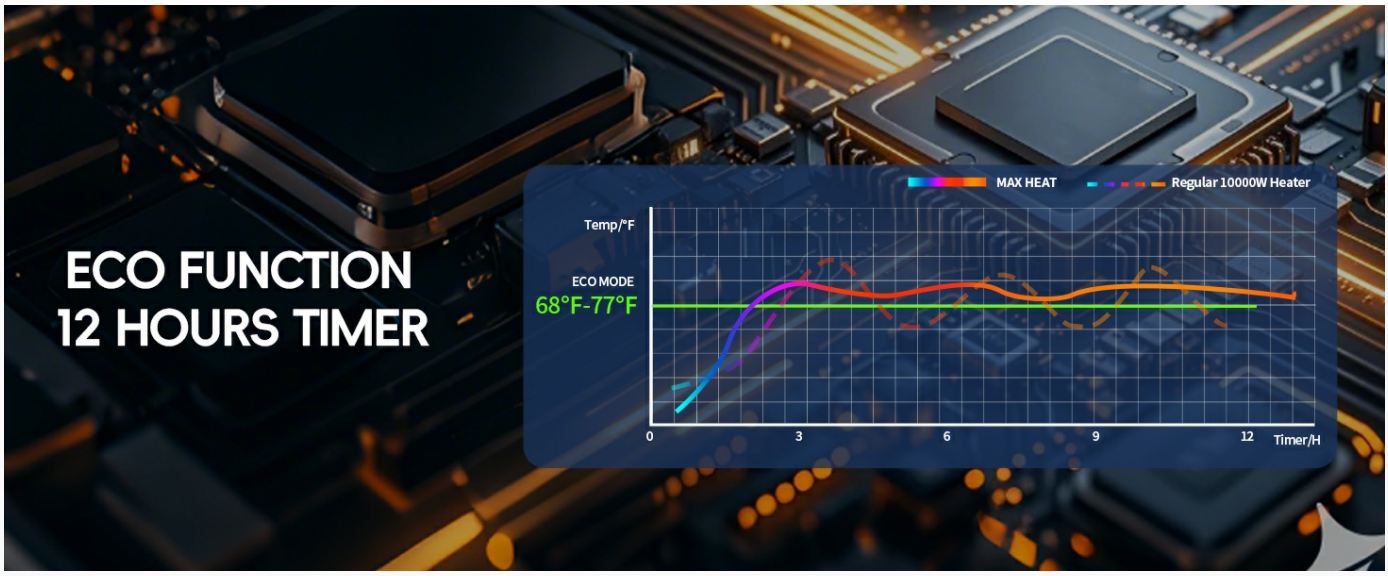


Image: Graph demonstrating the temperature regulation and energy optimization provided by the ECO mode and 12-hour timer.

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.
- **Air Intake/Outlet:** Periodically check and clean the air intake and outlet grilles to prevent dust buildup, which can impede airflow and reduce efficiency.
- **Inspection:** Annually inspect the wiring and connections for any signs of wear or damage. If any issues are found, consult a qualified electrician.

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; unit overheated.	Check power connection; reset circuit breaker; allow unit to cool down.
Remote control not working.	Batteries dead; obstruction between remote and heater; remote malfunction.	Replace batteries; ensure clear line of sight; contact customer support if remote is faulty.
Heater produces insufficient heat.	Incorrect temperature setting; large room size; obstructed airflow.	Increase temperature setting; ensure room size is within heating coverage (1500 sq.ft.); clear any obstructions from grilles.
Error Code Displayed.	Internal fault detected.	Refer to the specific error code in the full product manual (if available) or contact customer support. In some cases, an error code may indicate a need for return.

Specifications

Technical details for the TEMPWARE 10000W Electric Garage Heater.

Feature	Detail
Brand	TEMPWARE
Model Number	TW10000ER-EC
Power Output	10000W (10KW)
BTU/Hour	34,120
Voltage	208-240VAC, 60Hz
Amperage	41.67 Amps
Heating Coverage	Up to 1500 sq.ft.
Min Temperature Setting	45°F (7°C)
Max Temperature Setting	95°F (35°C)
Form Factor	Ceiling Mount
Special Features	Energy Efficient, Overheat Protection, Programmable Thermostat, ECO Mode, Remote Control, 12-Hour Timer
Product Dimensions	20.5 x 21.5 x 21 inches (52.07 x 54.61 x 53.34 cm)
Item Weight	45.9 pounds (20.82 kg)
Recommended Wire Size	6 AWG, Copper Only rated at 167°F/75°C
Recommended Circuit Breaker	60A
Recommended Lug Torques	45 in-lbs

Warranty Information

This TEMPWARE product is covered by a manufacturer's warranty. Please refer to the warranty card included with your purchase or contact customer support for specific details regarding warranty duration and terms. Keep your proof of purchase for warranty claims.

Customer Support

For any questions, assistance, or troubleshooting not covered in this manual, please contact TEMPWARE customer support:

- **Email:** customerservice@albatrossindustry.com
- You may also reach out through your Amazon account for support.

Our support team aims to respond within 24 hours.

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