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› EconoHome Wall Mount Space Heater Panel 400W - Instruction Manual

EconoHome MW-EH-400W-D+TH+AL-R

EconoHome Wall Mount Space Heater Panel 400W

Model: MW-EH-400W-D+TH+AL-R

1. INTRODUCTION

Thank you for choosing the EconoHome Wall Mount Space Heater Panel. This 400W convection heater is designed to provide efficient and consistent ambient warmth for rooms up to 120 sq. ft. This manual provides essential information for the safe and effective installation, operation, and maintenance of your new heater.

The EconoHome heater operates on a principle of convection, where heat rises from behind the panel and circulates warm air throughout the room. This method ensures even heat distribution without drying out the air or circulating dust, making it suitable for individuals with asthma or dust allergies. It is also designed for quiet operation.



Image 1.1: The EconoHome 400W Wall Mount Space Heater Panel with its adjustable plug-in thermostat.

2. SAFETY INFORMATION

Please read all safety instructions carefully before installing or operating this heater. Failure to follow these instructions may result in electric shock, fire, or personal injury.

- **Electrical Safety:** Ensure the heater is connected to a 120V, 3.33 amp circuit. Do not overload electrical outlets. Avoid using extension cords.
- **Placement:** Install the heater on a flat, vertical wall surface. Maintain a minimum distance of 12 inches (30 cm) from any combustible materials (e.g., curtains, furniture, bedding).
- **Heat Guard:** The included heat guard cover accessory is crucial for safety and efficiency. It helps direct convection currents and keeps the exterior casing safe to touch. Always install the heat guard.
- **Ventilation:** Do not block the air vents or cover the heater with any material. This can lead to overheating and fire hazards.
- **Water Exposure:** Do not install the heater near water sources, such as sinks, showers, or swimming pools. Do not operate the heater with wet hands.
- **Children and Pets:** Keep children and pets away from the heater during operation. Although the heat guard keeps the surface safe to touch, supervision is recommended.
- **Damage:** Do not operate the heater if it has a damaged cord or plug, or if it has malfunctioned or been

dropped. Contact customer support for assistance.

- **Intended Use:** This heater is for indoor use only. Do not use it for commercial or industrial purposes.

3. SETUP AND INSTALLATION

The EconoHome Wall Mount Space Heater Panel is designed for easy installation. All necessary mounting hardware is included.

3.1 Unpacking

- Carefully remove all components from the packaging.
- Verify that all parts are present: heater panel, mounting hardware (screws, anchors, plastic nuts), adjustable plug-in thermostat, and heat guard cover.
- Inspect the heater for any signs of damage. Do not proceed with installation if damage is observed.

3.2 Mounting Location

- Choose a wall location that is clear of obstructions and combustible materials.
- Ensure the wall surface is stable and can support the weight of the heater (approximately 22 pounds).
- The heater should be mounted vertically, with the power cord exiting from the bottom right corner when viewed from the front.



 **CONVECTOR HEATER SPECS**

Ideal for a 120 sq. ft. room,
600 watts, 120 volts, 5 amps.

24"

24"

597 x 597 x 50 mm
24" x 24" x 0.4" Inches

ETL
LISTED
CETL
APPROVED
UL-2021 &
RoHS compliant.

EASY TO MOUNT
On any wall (Installation hardware Included).
Enjoy the beautiful sleek paintable design which blends in with any décor.

Image 3.1: The EconoHome heater panel measures 24 x 24 x 0.4 inches and is cETL approved, UL-2021 & RoHS compliant.

3.3 Installation Steps

1. **Marking:** Hold the heater panel against the desired wall location. Use a pencil to mark the positions for the four mounting holes.
2. **Drilling:** Drill pilot holes at the marked locations. For drywall, use appropriate anchors. If mounting into studs, ensure proper screw length.
3. **Mounting Pins:** Insert the mounting pins into the drilled holes.
4. **Attach Heat Guard:** Before securing the heater, attach the heat guard cover to the back of the panel. This accessory is designed to create an air gap between the heater and the wall, enhancing convection and preventing excessive heat transfer to the wall.
5. **Secure Heater:** Align the heater panel with the mounting pins. Secure the panel by threading and tightening the plastic nuts onto the pins. Ensure the heater is firmly attached to the wall.
6. **Thermostat Connection:** Plug the heater's power cord into the adjustable plug-in thermostat. Then, plug the thermostat into a standard 120V electrical outlet.

Note: This unit may also be hard-wired by a qualified electrician if desired. Consult a professional for hard-wiring instructions.



Image 3.2: The EconoHome heater panel is crack-resistant and includes an adjustable plug-in thermostat and heat reflector.

4. OPERATING INSTRUCTIONS

The EconoHome heater is operated using the included adjustable plug-in thermostat.

4.1 Thermostat Operation

- **Power On/Off:** Use the switch on the thermostat to turn the heater ON or OFF.
- **Set Temperature:** Rotate the dial on the thermostat to select your desired room temperature. The thermostat allows temperature settings between 41°F (5°C) and 86°F (30°C).
- **Automatic Control:** The heater will automatically turn on when the room temperature falls below the set temperature and turn off once the desired temperature is reached. This maintains a consistent ambient warmth.



Image 4.1: The EconoHome heater is energy efficient, consuming 0.4 KW/HR, contributing to lower energy bills.



NO FAN & QUIET

Asthma and dust allergy sufferers can enjoy warmth without irritation since the air will not dry out, nor will dust circulate around the room. Perfect for all indoor rooms, including bedrooms, office, garage, and RV.



Image 4.2: The EconoHome heater operates without a fan, ensuring quiet operation and no dust circulation.

5. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your EconoHome heater.

- **Cleaning:** Before cleaning, always unplug the heater and allow it to cool completely. Wipe the exterior surface with a soft, damp cloth. Do not use abrasive cleaners, solvents, or immerse the heater in water.
- **Storage:** If storing the heater for an extended period, ensure it is clean and dry. Store it in a cool, dry place, preferably in its original packaging.
- **Inspection:** Periodically inspect the power cord and plug for any signs of damage. If damage is found, discontinue use and contact customer support.
- **Paintable Surface:** The heater panel features a paintable design. If you choose to paint it, ensure the paint is heat-resistant and non-flammable. Allow paint to dry completely before operating the heater.

6. TROUBLESHOOTING

If you encounter issues with your EconoHome heater, refer to the following troubleshooting guide:

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Heater does not turn on.	No power to the outlet. Thermostat is off or set too low. Heater or thermostat is damaged.	Check circuit breaker. Test outlet with another device. Ensure thermostat is ON and set to a temperature higher than the current room temperature. Contact customer support.
Heater is on but not heating.	Thermostat set too low. Room temperature already at or above set temperature.	Increase the thermostat setting. Allow the room temperature to drop, or increase the thermostat setting.
Insufficient heat output.	Room size exceeds recommended coverage. Drafts or poor insulation. Heat guard not installed correctly.	This 400W model is ideal for rooms up to 120 sq. ft. Consider additional heating for larger spaces. Address drafts and improve room insulation. Ensure the heat guard is properly installed to facilitate convection.
Unusual odor during operation.	New product 'burn-off' odor. Dust accumulation on heating element.	A slight odor is normal during initial use and should dissipate quickly. Unplug and clean the heater as per maintenance instructions.

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

7. SPECIFICATIONS

Brand	EconoHome
Model Number	MW-EH-400W-D+TH+AL-R
Heat Output	400 Watts
Voltage	120 Volts
Amperage	3.33 Amps
Heating Coverage	Up to 120 sq. ft.
Product Dimensions	23.5" W x 23.5" H x 3" D
Item Weight	22 pounds
Form Factor	Wall Mounted Heater
Special Feature	Energy Efficient, Crack Resistant, Quiet Operation
Certifications	cETL approved, UL-2021 & RoHS compliant
UPC	810088313714

8. WARRANTY AND SUPPORT

EconoHome stands behind the quality of its products.

8.1 Manufacturer Warranty

This EconoHome Wall Mount Space Heater Panel comes with a **3-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims.

8.2 Customer Support

For technical assistance, warranty inquiries, or to report any issues with your product, please contact EconoHome customer support. Refer to the contact information provided on the product packaging or the official EconoHome website.