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- › [EconoHome](#) /
- › [EconoHome Wall Heater Panel with Thermostat - 400W User Manual](#)

EconoHome MW-EH-400W + TH-R

EconoHome Wall Heater Panel with Thermostat - 400W User Manual

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

IMPORTANT SAFETY INFORMATION

Please read this entire manual before installing or using your EconoHome Wall Heater. Failure to follow these instructions may result in fire, electric shock, property damage, or personal injury. Keep this manual for future reference.

- Always unplug the heater when not in use or before cleaning.
- Do not operate any heater with a damaged cord or plug, or after the heater malfunctions or has been dropped or damaged in any manner.
- Do not use outdoors. This heater is intended for indoor use only.
- Do not run cord under carpeting. Do not cover cord with throw rugs, runners, or similar coverings. Arrange cord away from traffic area and where it will not be tripped over.
- To prevent a possible fire, do not block air intakes or exhaust in any manner. Do not use on soft surfaces, like a bed, where openings may become blocked.
- Always plug heaters directly into a wall outlet/receptacle. Never use with an extension cord or relocatable power tap (outlet/power strip).
- This heater is hot when in use. To avoid burns, do not let bare skin touch hot surfaces.
- Extreme caution is necessary when any heater is used by or near children or invalids and whenever the heater is left operating and unattended.
- The heater is equipped with Overheat Protection for your safety.

PRODUCT OVERVIEW

The EconoHome Wall Heater Panel is an electric, wall-mounted convection heater designed for efficient indoor heating. It features a sleek, paintable design that blends seamlessly with any decor, providing consistent ambient warmth without a fan, making it ideal for individuals with asthma or dust allergies.

- **Energy Efficient:** Consumes 0.6 KW/HR, significantly less than conventional space heaters.
- **Quiet Operation:** Fan-less design ensures silent heating.
- **Crack Resistant:** Upgraded durable model with triple reinforced calcium silicate material.
- **Safe Technology:** Exterior casing feels warm, safe for adults. Features Overheat Protection.
- **Easy Installation:** Mounts easily on any wall with included hardware.

Heating Technology Explained

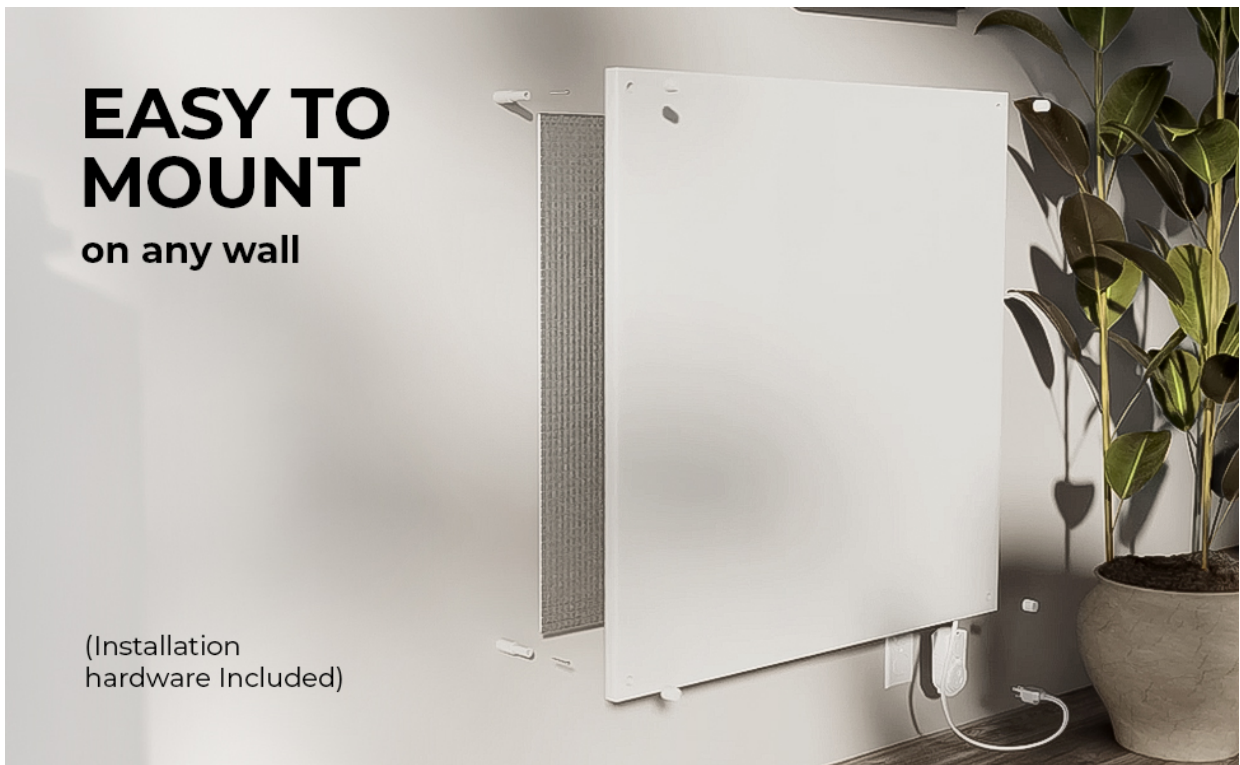


WALL MOUNT HEATER PANEL

Smart Savings Meet Allergen-Free Coziness

This image illustrates the difference between infrared and space heaters. Infrared heaters provide direct, radiant heat, warming objects and people instantly. Space heaters, like the EconoHome panel, circulate warm air to evenly heat entire rooms, maintaining a consistent temperature.

Convection Heating Principle



EASY TO MOUNT
on any wall

(Installation hardware Included)

The EconoHome Wall Heater operates primarily by convection. Air is heated behind the panel, rises, and circulates throughout the room, providing uniform heating. Some radiant heat is also emitted from the panel's surface.

SETUP AND INSTALLATION

Follow these steps for proper installation of your EconoHome Wall Heater. Ensure the installation surface is clean and dry before beginning.

Required Tools

- Drill
- Screwdriver (Phillips head recommended)
- Measuring Tape
- Pencil
- Level

Mounting the Heater

1. **Position the Template:** Use the provided paper template to mark the desired location for your heater on the wall. Ensure it is level and positioned correctly.
2. **Install Wall Anchors:** Drill pilot holes at the marked locations. Insert the self-drilling wall anchors into the drywall until flush with the wall surface.
3. **Apply Heat Reflector:** Peel the backing from the included heat reflector film and carefully apply it to the wall within the marked area, ensuring it is smooth and free of bubbles. This helps reflect heat into the room rather than absorbing into the wall.
4. **Attach Standoffs:** Screw the plastic standoffs into the installed wall anchors. These create a necessary air gap between the heater and the wall for optimal convection.
5. **Mount the Heater Panel:** Align the holes on the heater panel with the standoffs. Secure the panel by screwing the decorative caps onto the standoffs. Do not overtighten to avoid damaging the plastic threads.

FEEL THE HEAT: HEATERS COMPARED

Explore the key differences in heating technology and find the perfect heater for your comfort needs.

INFRARED HEATER

Infrared heaters provide direct, radiant heat by warming objects and people instantly. They are energy-efficient and great for spot heating.

SPACE HEATER

Space heaters circulate warm air to evenly heat entire rooms. They are versatile, portable, and ideal for maintaining a consistent temperature throughout a space.

The EconoHome Wall Heater Panel is designed for easy wall mounting. Ensure proper placement away from obstructions and at a safe distance from flammable materials.



Installation hardware is included for secure mounting on any wall surface. The slim design allows it to fit discreetly.

Installation Video Guides

Your browser does not support the video tag.

This video provides a detailed guide on how to unbox and install your EconoHome Wall Heater, including tips from an electrician and a demonstration of its features.

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This video demonstrates the installation process of the EconoHome Heating panel (2024 Updated Version).

OPERATING INSTRUCTIONS

The EconoHome Wall Heater comes with a plug-in thermostat for easy temperature control.

Using the Thermostat

1. **Connect the Heater:** Plug the EconoHome Wall Heater's power cord into the receptacle on the plug-in thermostat.
2. **Plug into Wall Outlet:** Insert the thermostat into a standard 120V wall outlet.
3. **Turn On:** Flip the power switch on the thermostat to the 'ON' position. The indicator light will illuminate.
4. **Set Desired Temperature:** Rotate the dial on the thermostat to your desired temperature setting (ranging from 41°F to 86°F). The heater will activate when the room temperature falls below the set point and turn off when it reaches the set point.
5. **Monitor:** For best results, use a separate room thermometer to verify the ambient temperature and fine-tune the thermostat setting as needed.



SELECTION OF HEATER

Minimum Ambient Air Temperature (°F)

Heater Size (W)	32° - 41 °F			42° - 50 °F			Over 50 °F			Floor area of room
	250	400	600	250	400	600	250	400	600	
* Represents one heater of size indicated in table			*		*		*			100 ft ²
		*	*			*		*		200 ft ²
		*	**		*	*			*	300 ft ²

The table above provides suggestions for heater choices. It is difficult to provide precise recommendations because of varying factors and situations inherent in each application. The following factors will have influence:

- Location of heater
- Thermal characteristics of room being heated
- The effect of windows, doors and fixed openings in the room
- Room access and frequency of access use

The plug-in thermostat allows precise temperature control for optimal comfort and energy efficiency. The dial indicates temperature settings in both Fahrenheit and Celsius.

Thermostat Operation Video

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This video demonstrates the functionality of the plug-in thermostat, showing how to set the desired temperature and manage the heater's operation. Note: This is a short preview video.

MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your EconoHome Wall Heater.

- **Cleaning:** Always unplug the heater before cleaning. Use a soft, damp cloth to wipe the surface of the heater. Do not use abrasive cleaners, solvents, or harsh chemicals, as these can damage the finish.
- **Dust Removal:** Periodically wipe away any dust accumulation on the heater's surface to maintain efficient heat transfer.
- **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.

TROUBLESHOOTING

If you encounter issues with your EconoHome Wall Heater, refer to the following common troubleshooting steps:

Heater Not Turning On

- **Check Power Connection:** Ensure the heater is securely plugged into the thermostat, and the thermostat is firmly plugged into a working wall outlet.
- **Verify Thermostat Setting:** Make sure the thermostat is set to the 'ON' position and the temperature dial is set higher than the current room temperature.
- **Check Circuit Breaker:** Inspect your home's circuit breaker panel. If a breaker has tripped, reset it. Avoid overloading the circuit with other high-wattage appliances.

Insufficient Heat Output

- **Room Size:** Confirm that the 400W heater is appropriate for your room size (recommended for up to 120 sq. ft.). Larger rooms may require a higher wattage model or multiple units.
- **Obstructions:** Ensure there are no objects blocking the airflow around the heater, especially above and below the panel, as this can impede convection.

- **Thermostat Calibration:** If the room temperature doesn't match the thermostat setting, consider using an external thermometer to calibrate the thermostat dial for more accurate control.

SPECIFICATIONS

Detailed technical specifications for the EconoHome Wall Heater Panel (400W model).

Feature	Specification
Model Number	MW-EH-400W + TH-R
Heat Output	400 Watts
Voltage	120 Volts
Amperage	3.33 Amps
Heating Method	Convection / Radiant
Heating Coverage	Up to 120 sq. ft.
Product Dimensions	2"D x 23.5"W x 23.5"H
Temperature Range	41-86 °F
Certifications	cETL approved, UL-2021 & RoHS compliant
Special Feature	Energy Efficient, Overheat Protection



This image displays the dimensions and wattage options available for EconoHome wall heaters, including 250W, 400W, and 600W models, suitable for various room sizes.

WARRANTY AND SUPPORT

The EconoHome Wall Heater Panel is backed by a **3-Year Manufacturer Warranty**. This warranty covers defects in materials and workmanship under normal use.

For warranty claims, technical support, or any questions regarding your product, please contact EconoHome customer service through their official website or the retailer where the product was purchased. Please have your model number and

proof of purchase ready.