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› Amaze Heaters Solo 400W Convection Panel Heater and Plug-in Thermostat Bundle User Manual

Amaze-Heater Solo 400W

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Model: Solo 400W

1. PRODUCT OVERVIEW

The Amaze Heaters Solo 400W Convection Panel Heater and Plug-in Thermostat Bundle is designed to provide efficient, silent, and energy-saving heating for indoor spaces up to 150 square feet. This bundle includes a wall-mountable panel heater and a convenient plug-in thermostat for precise temperature control.



Figure 1.1: Amaze Heaters Solo 400W Convection Panel Heater and Plug-in Thermostat Bundle.

The panel heater utilizes natural convection to distribute heat evenly throughout the room without a fan, ensuring silent operation and preventing dust circulation. It is constructed from non-conducting materials with triple-layer insulation for enhanced safety and durability.



Figure 1.2: Amaze Solo Heater Panel highlighting ETL certification and coverage area.

2. SAFETY INFORMATION

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

- **Electrical Safety:** Ensure the heater and thermostat are connected to a properly grounded 120V AC outlet. Do not overload electrical circuits.
- **Placement:** Install the panel heater on a flat, vertical wall surface, away from flammable materials, curtains, and furniture. Maintain adequate clearance around the heater for proper airflow.
- **Children and Pets:** Keep children and pets away from the heater during operation. Although the surface temperature is designed to be safe to touch, prolonged contact should be avoided.
- **Moisture:** Do not expose the heater or thermostat to water or excessive moisture. This product is for indoor use only.
- **Ventilation:** Do not block the air vents of the heater. Proper airflow is essential for efficient operation and to prevent overheating.
- **Maintenance:** Do not attempt to open or repair the heater or thermostat. Refer all servicing to qualified personnel.



Figure 2.1: Safety features of the Amaze Solo Heater Panel, including triple layer insulation.

3. PACKAGE CONTENTS

Verify that all components are present in the package:

- 1 x Amaze Heaters Solo 400W Electric Wall Panel Heater
- 1 x Amaze Heaters Plug-in Thermostat
- 1 x Wall Mount Kit (screws, anchors, spacers)
- 1 x User Manual (this document)

4. SPECIFICATIONS

Table 4.1: Product Specifications

Feature	Detail
Brand	Amaze-Heater
Model	Solo 400W (Heater), TH-400 (Thermostat)
Indoor/Outdoor Usage	Indoor
Heating Coverage	Up to 150 sq ft
Fuel Type	Electric
Voltage	120 Volts (AC)
Power Consumption	400 Watts (1364 BTU/hr)
Heater Dimensions	24" x 24" x 0.4" (approx.)
Thermostat Dimensions	5" x 2.5" x 2.5" (approx.)
Heating Method	Natural Convection
Operation	Silent, No Fan, No Dust Circulation



Figure 4.1: Dimensions of the Amaze Solo Heater Panel.

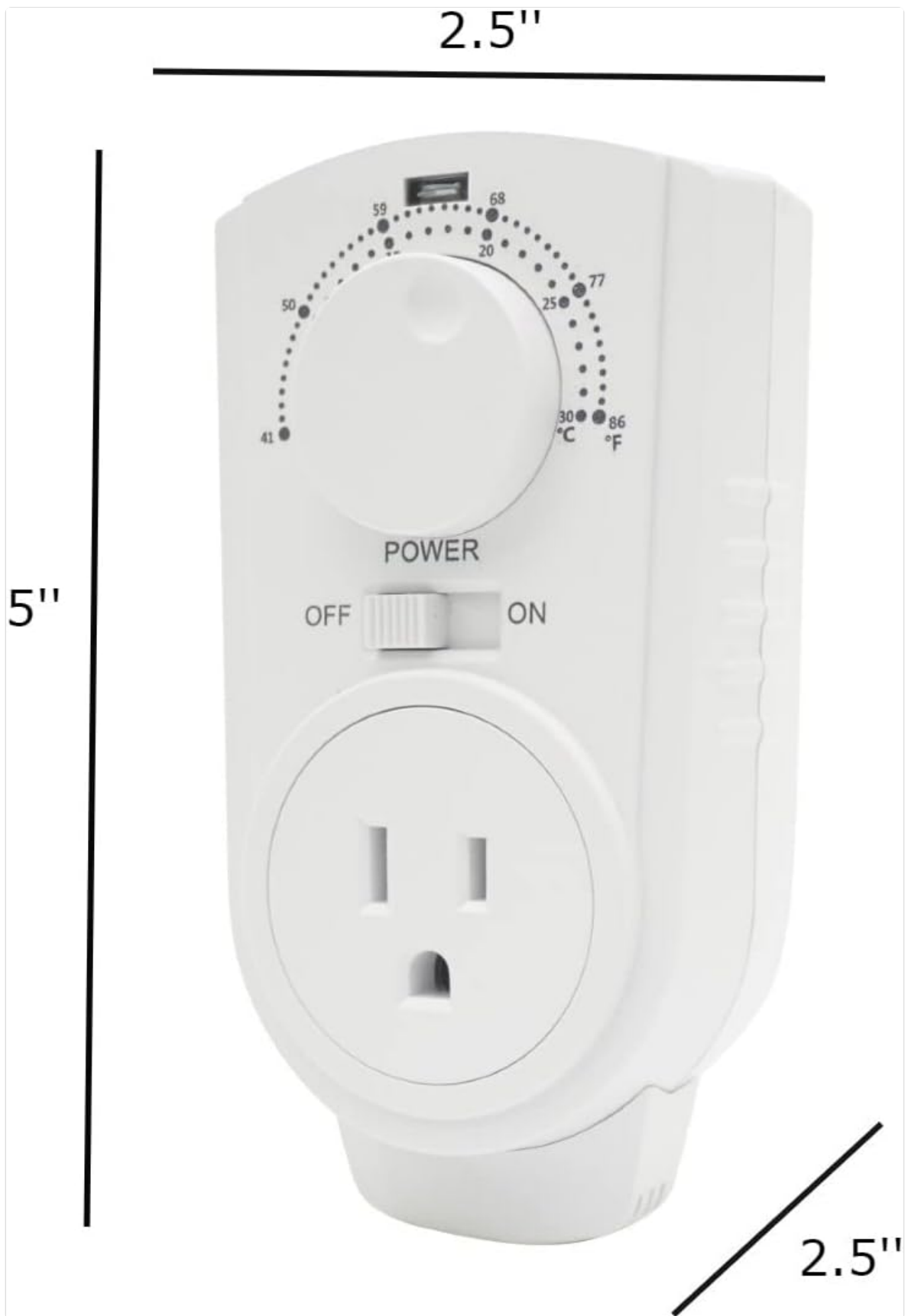


Figure 4.2: Dimensions of the Amaze Plug-in Thermostat.

5. SETUP AND INSTALLATION

5.1. Panel Heater Installation

The Amaze Solo Panel Heater is designed for wall-mounted installation. The wall mount kit is included for easy setup.

1. **Choose Location:** Select a suitable indoor wall location, ensuring it is a flat, vertical surface. Avoid placing the heater directly under windows or in areas with direct drafts, as this can affect efficiency. Ensure there is at least 6 inches of clearance from the floor and any adjacent walls or furniture.
2. **Mark Drilling Points:** Hold the heater against the wall at the desired height and use a pencil to mark the four mounting holes.
3. **Drill Holes:** Drill pilot holes at the marked points using an appropriate drill bit for your wall material. Insert wall anchors if necessary.
4. **Mount Heater:** Align the heater with the drilled holes and secure it to the wall using the provided screws and spacers. Ensure the heater is level and securely fastened.
5. **Connect Power:** Plug the heater's power cord into a standard 120V AC grounded electrical outlet.



Figure 5.1: Example of the Amaze Solo Heater Panel installed on a wall.

5.2. Thermostat Setup

The plug-in thermostat allows for precise temperature control of your panel heater.

1. **Plug in Thermostat:** Insert the Amaze Heaters Plug-in Thermostat into a standard 120V AC grounded electrical outlet.
2. **Select Mode:** Use the switch on the thermostat to select either "HEAT" or "COOL" mode. For heating, ensure "HEAT" is selected.
3. **Plug in Heater:** Plug the power cord of the Amaze Solo Panel Heater into the outlet on the front of the thermostat.
4. **Set Temperature:** Rotate the dial on the thermostat to set your desired temperature. The thermostat will automatically turn the heater on or off to maintain this temperature.
5. **Power ON:** Ensure the power switch on the thermostat is set to "ON".



Figure 5.2: Step-by-step guide for setting up the plug-in thermostat.

6. OPERATION

Once installed and set up, operating your Amaze Heaters bundle is straightforward.

6.1. Convection Heating Principle

The Amaze Solo Panel Heater operates on the principle of natural convection. Cool air near the floor is drawn into the bottom of the panel, heated by the internal element, and then rises as warm air from the top. This creates a gentle, continuous circulation of warm air throughout the room, providing even and comfortable heating without the need for a noisy fan.



Figure 6.1: Illustration of natural convection heating.

6.2. Temperature Control

The plug-in thermostat allows you to set and maintain your desired room temperature. Simply rotate the dial to the desired Fahrenheit or Celsius setting. The thermostat will automatically activate the heater when the room temperature falls below the set point and deactivate it once the set temperature is reached, ensuring energy efficiency and consistent comfort.

6.3. Energy Efficiency

The 400W power consumption of the Amaze Solo Panel Heater is designed for energy efficiency, providing effective heating for its rated coverage area while minimizing electricity usage compared to higher wattage heaters. The silent operation and lack of dust circulation contribute to a healthier and more comfortable indoor environment.



Figure 6.2: Benefits of silent operation and no dust recirculation.

7. MAINTENANCE

The Amaze Heaters Solo Panel Heater and Thermostat require minimal maintenance to ensure optimal performance and longevity.

- **Cleaning:** Periodically wipe the surface of the heater and thermostat with a soft, dry cloth to remove dust. Do not use abrasive cleaners, solvents, or wet cloths, as these can damage the surface or internal components. Ensure the unit is unplugged and cool before cleaning.
- **Air Vents:** Ensure the air vents at the top and bottom of the panel heater remain clear of obstructions to allow for proper airflow and efficient convection.
- **Storage:** If storing the heater for an extended period, unplug it, allow it to cool completely, and store it in a dry, dust-free environment.

8. TROUBLESHOOTING

If you encounter issues with your Amaze Heaters bundle, refer to the following common troubleshooting steps:

Table 8.1: Troubleshooting Guide

Problem	Possible Cause	Solution
Heater not turning on	No power to outlet; Thermostat OFF; Thermostat set too high; Heater switch OFF	Check power outlet with another device; Ensure thermostat power switch is ON; Lower thermostat temperature setting; Ensure heater's built-in switch is ON.
Heater not heating effectively	Room size too large; Air vents blocked; Drafts present; Thermostat placement	Verify room size is within 150 sq ft coverage; Clear any obstructions from heater vents; Seal drafts; Ensure thermostat is not in a cold spot (e.g., near a window).
Thermostat not responding	Not plugged in; Faulty outlet	Ensure thermostat is securely plugged into a working outlet. Try a different outlet.
Unusual odors or sounds	Initial use burning off dust; Foreign object inside; Electrical issue	A slight odor on first use is normal. If persistent or strong, unplug immediately and contact support. Do not attempt to open the unit.

If the problem persists after attempting these solutions, please contact Amaze-Heater customer support for further assistance.

9. WARRANTY AND SUPPORT

Amaze-Heater products are manufactured with quality and durability in mind. For specific warranty details, please refer to the warranty card included with your product or visit the official Amaze-Heater website. For technical support, replacement parts, or any other inquiries, please contact Amaze-Heater LLC customer service:

Website: Amaze-Heater Official Store on Amazon (for general product information)

Seller: Amaze-Heater LLC

(Contact information such as phone number or email may be available on the product packaging or official website.)