

PTCYIDU 110V 200W

PTCYIDU PTC Fan Heater 110V 200W Instruction Manual

Model: 110V 200W

1. INTRODUCTION

This manual provides essential information for the safe and effective operation of your PTCYIDU 110V 200W PTC Fan Heater. Please read these instructions thoroughly before use and retain for future reference.

2. SAFETY INFORMATION

- Read all instructions before using this heater.
- Do not operate the heater in wet or damp conditions.
- Ensure proper ventilation when in use.
- Do not cover the heater during operation.
- Keep out of reach of children and pets.
- Disconnect power before performing any maintenance or installation.
- The power of PTC heating plates is not a fixed value but a range. The better the heat dissipation, the greater the power.
- The actual power consumption is mostly within the range of 50% -200% of its rated power, depending on heat dissipation.

3. PRODUCT OVERVIEW

The PTCYIDU 110V 200W PTC Fan Heater is a compact, self-regulating ceramic heating element designed for small spaces. It features a built-in fan for air circulation and constant temperature heating.



Image 3.1: PTCYIDU 110V 200W PTC Fan Heater with included power cord.

- ✓ Safety and Stable
- ✓ Energy Saving and Insulated
- ✓ Long Serving Life
- ✓ Portable and Easy to Install

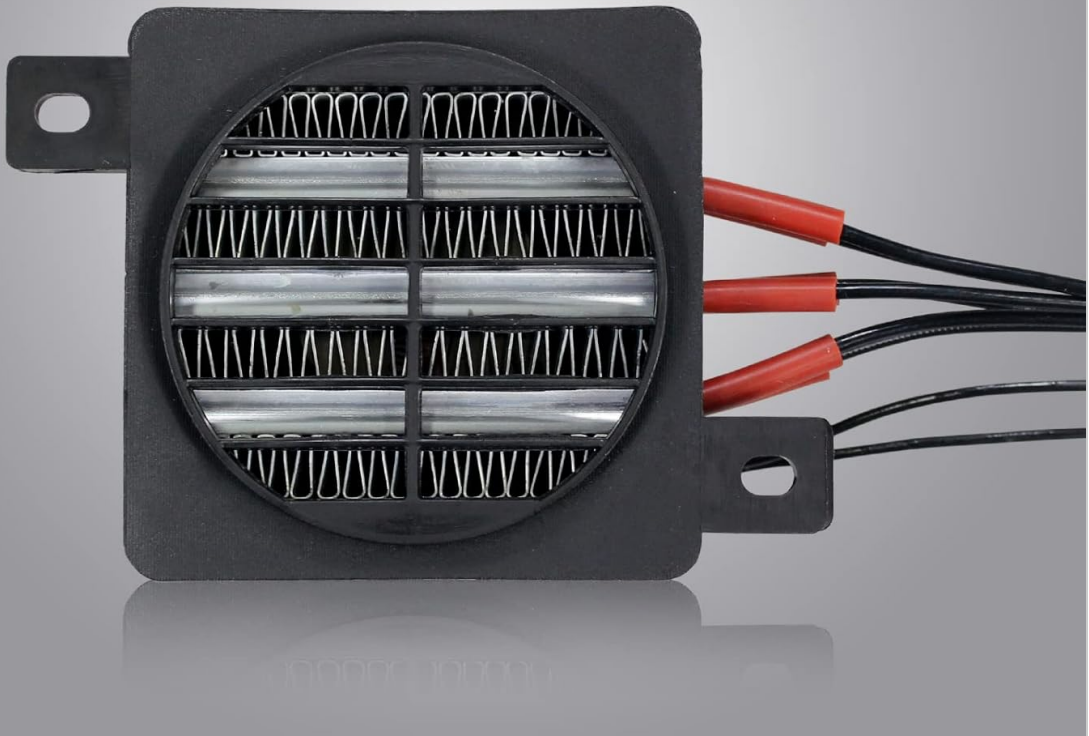


Image 3.2: Key features highlighting the heater's safety, energy efficiency, long service life, portability, and ease of installation.

3.1. Components

Structure Diagram

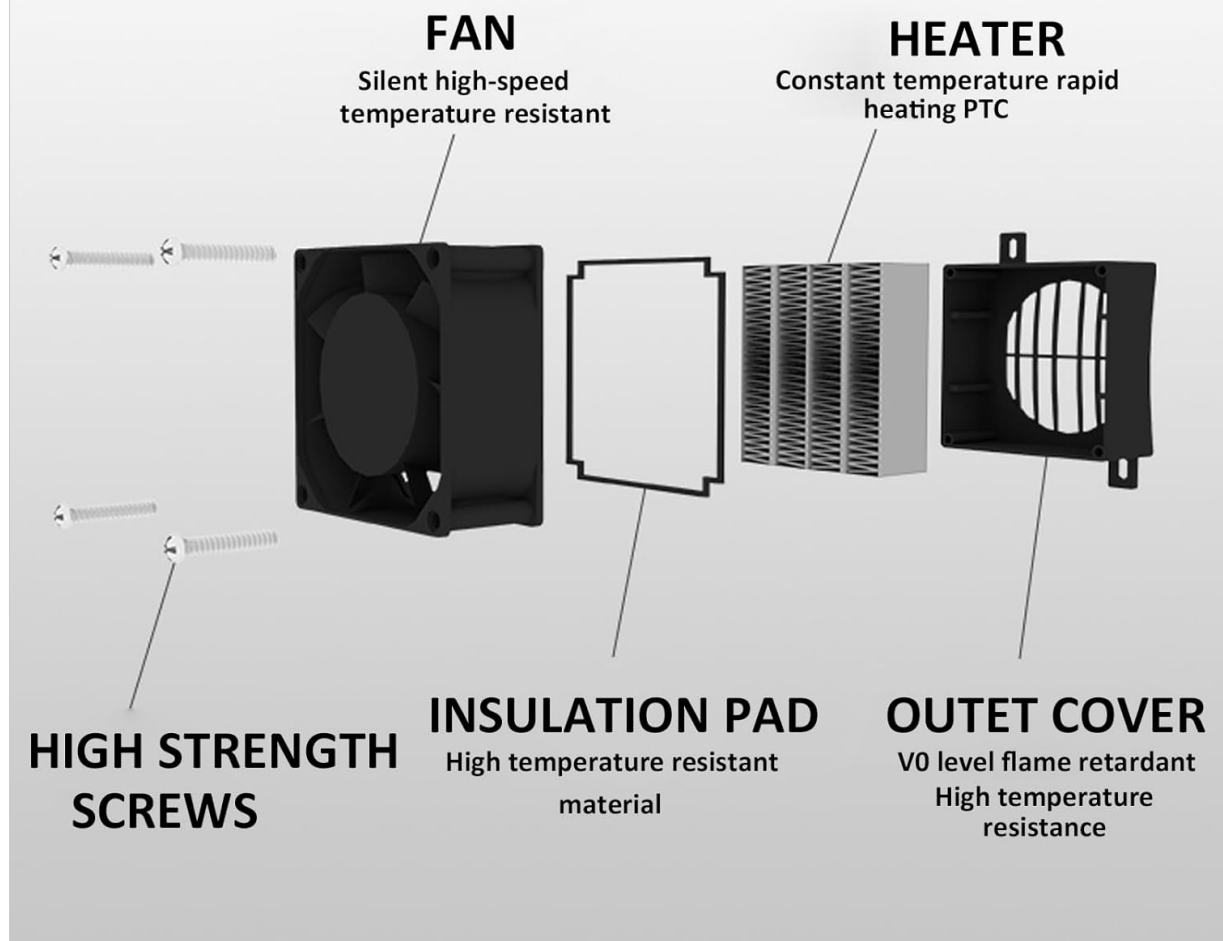


Image 3.3: Exploded view showing the internal components: High Strength Screws, Fan, Insulation Pad, Heater (Constant temperature rapid heating PTC), and Outer Cover (V0 level flame retardant).

- **Fan**: Silent high-speed, temperature-resistant fan for air circulation.
- **Heater**: Constant temperature rapid heating PTC (Positive Temperature Coefficient) ceramic element.
- **Insulation Pad**: High temperature resistant material for safety.
- **Outer Cover**: V0 level flame retardant material with high temperature resistance.
- **High Strength Screws**: For secure mounting.

3.2. Dimensions



Image 3.4: Technical drawing illustrating the dimensions of the PTC Fan Heater.

4. SPECIFICATIONS

Product Specifications

Feature	Specification
Brand	PTCYIDU
Model	110V 200W
Special Feature	Overheat Protection
Form Factor	Pedestal
Indoor/Outdoor Usage	Indoor
Product Dimensions	5.9"D x 3.54"W x 4.33"H
Mounting Type	Floor Mount
Heating Coverage	0.5m ³
Burner Type	Ceramic
Heat Output	200 Watts
Fuel Type	Electric
Voltage	110 Volts
Amperage	1.82 Amps
Min Temperature Setting	32 Degrees Fahrenheit
Max Temperature Setting	25 Degrees Fahrenheit
Item Weight	9.6 ounces

5. SETUP AND INSTALLATION

The PTCYIDU PTC Fan Heater is designed for easy installation.

1. **Unpack:** Carefully remove the heater and power cord from its packaging.
2. **Connect Power Cord:** Connect the provided power cord to the heater's input. Ensure a secure connection.



NEW Type



OLD Type

Image 5.1: Illustration of connecting the power cord to the heater.

- 3. Mounting (Optional):** The heater features mounting holes for secure placement. Use appropriate screws (High Strength Screws, as shown in Image 3.3) to mount the heater to a stable surface. Refer to the dimensions in Section 3.2 for mounting hole specifications.



Image 5.2: Details on mounting hole distance, size, and wire length.

- 4. Placement:** Position the heater in the desired small space (up to 0.5m³). Ensure there is adequate clearance around the heater for proper airflow and to prevent obstruction.

6. OPERATING INSTRUCTIONS

This heater operates on a constant temperature principle.

1. **Power On:** Plug the power cord into a standard 110V electrical outlet. The heater will begin to operate immediately.
2. **Automatic Temperature Control:** The PTC ceramic element automatically regulates its temperature, providing constant heating without external controls.
3. **Heat Dissipation:** The actual power output of the heater is influenced by heat dissipation. Better heat dissipation results in higher power output.
4. **Testing Environment:** For optimal performance and accurate power assessment, it is recommended to test the heater at room temperature, approximately 25 degrees Celsius (77 degrees Fahrenheit).

Your browser does not support the video tag.

Video 6.1: Demonstration of the PTC Fan Heater's operation and power measurement.

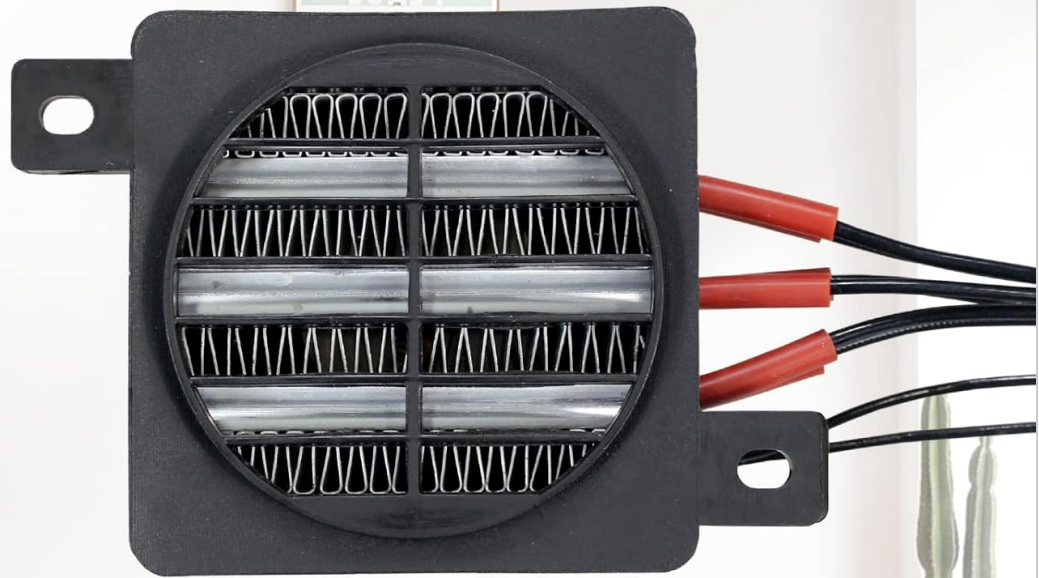
5. **Power Off:** Unplug the heater from the electrical outlet to turn it off.

7. APPLICATIONS

The PTCYIDU 110V 200W PTC Fan Heater is suitable for various small space heating applications, including:

- Automobile heaters
- Electrical thermostat incubators
- Small instruments
- Small box space environment temperature heating
- 3D printer enclosures

WIDE APPLICATION



3D Printer



Automobile Heater



Small Incubator

Image 7.1: Visual examples of common applications for the PTC Fan Heater, including 3D printers, automobile heating, and small incubators.

8. MAINTENANCE

To ensure the longevity and efficient operation of your PTC Fan Heater, follow these general maintenance guidelines:

- **Cleaning:** Periodically clean the fan and heating element to prevent dust buildup, which can impede airflow and reduce efficiency. Use a soft brush or compressed air. Ensure the heater is unplugged before cleaning.
- **Inspection:** Regularly inspect the power cord and heater for any signs of damage. Do not use if damaged.
- **Storage:** When not in use, store the heater in a cool, dry place, away from direct sunlight and moisture.

9. TROUBLESHOOTING

If you encounter issues with your PTC Fan Heater, refer to the following troubleshooting steps:

- **Heater not turning on:**

- Ensure the power cord is securely plugged into both the heater and a working 110V outlet.
- Check if the outlet is receiving power (e.g., by plugging in another device).
- **Insufficient heat output:**
 - Verify that the heater is not covered or obstructed, allowing for proper airflow.
 - Ensure the ambient temperature is not excessively low, which can affect perceived heat.
 - Confirm the heater is used within its recommended heating coverage area (0.5m³).
- **Unusual noises:**
 - Disconnect power and inspect the fan for any obstructions.
 - If the noise persists after clearing obstructions, contact customer support.

10. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact PTCYIDU customer service directly.

You can visit the official PTCYIDU store on Amazon for more information: [PTCYIDU Amazon Store](#).