

PTCYIDU MZ45-FJ500-110V

PTCYIDU 500W 110V PTC Fan Heater Instruction Manual

Model: MZ45-FJ500-110V

1. SAFETY INFORMATION

Please read all safety instructions carefully before using the PTCYIDU 500W 110V PTC Fan Heater. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- **Indoor Use Only:** This heater is designed for indoor use. Do not use it outdoors or in wet environments.
- **Clearance:** Maintain a minimum distance of 3 feet (0.9m) from the front of the heater and away from the sides and rear to prevent fire hazards from electrical cords, drapery, and other furnishings.
- **Stable Surface:** Always place the heater on a stable, flat, and non-combustible surface.
- **Overheat Protection:** The unit features a built-in 90°C thermal cutoff switch for safety, automatically shutting off if it overheats.
- **Insulated Surface:** The heater is designed with surface insulation for enhanced safety and reliability.
- **Children and Pets:** Keep the heater out of reach of children and pets. Do not leave operating heaters unattended.
- **Ventilation:** Ensure proper ventilation around the heater. Do not block air inlets or outlets.
- **Power Supply:** Connect the heater only to a 110V power supply as specified.

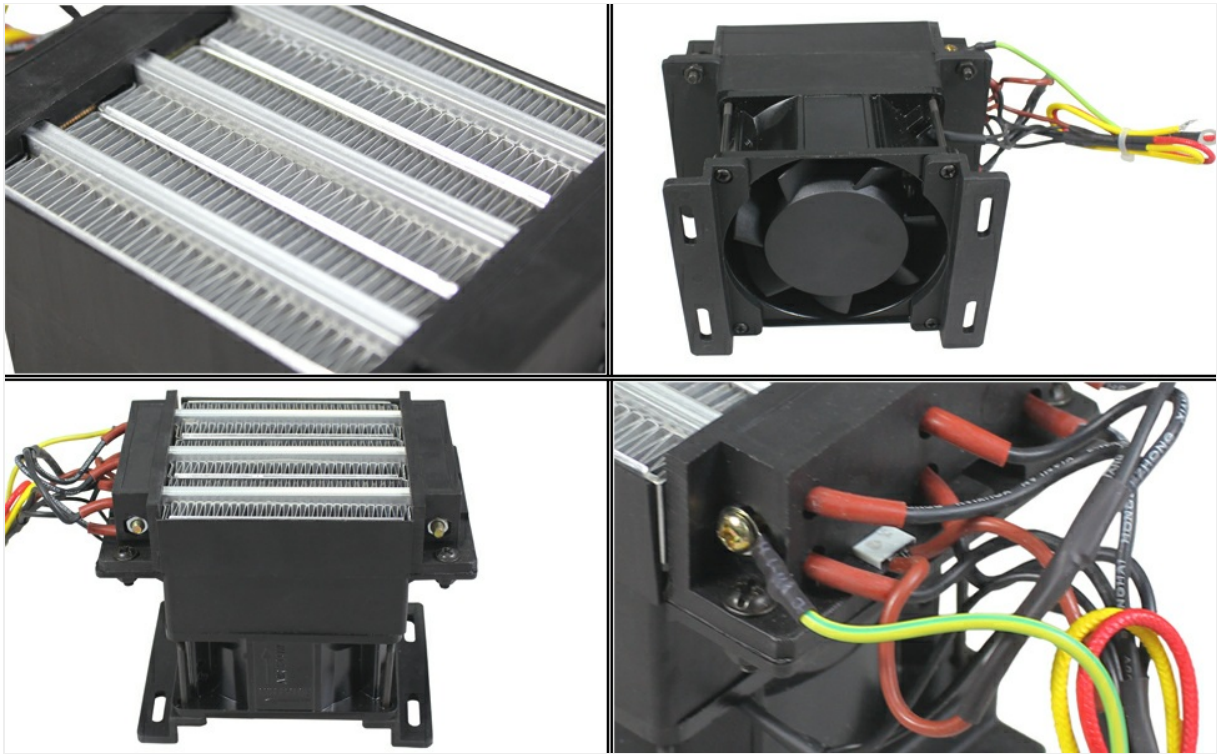


Image: Safety features including temperature-resistant components and insulated wiring.

2. PRODUCT OVERVIEW

The PTCYIDU 500W 110V PTC Fan Heater is a compact and efficient heating element designed for various applications requiring constant temperature and fast heating. It utilizes ceramic constant temperature heating technology, ensuring stable performance and energy saving.

This unit is ideal for small spaces, providing targeted heat without taking up much room. Its design includes mounting holes for easy installation into custom setups.

Basic Parameters

Product Model	MZ45-FJ500-110V-230V	Product Dimension (L * W * H mm)	125x101x80(±1)
Mounting Hole Dimension	16*4mm(±1)	Installation Distance	98x64mm(±1)
PTC Wire Fan Wire Material	Teflon/Silicone	Wire Length	250mm
Resistance Wire Temperature	> 200°C	Strip Length	10mm
Rated Voltage	110V	Rated Power	500W
Rated Voltage of Fan	90~260V	Rated Current	2.7~4.5A

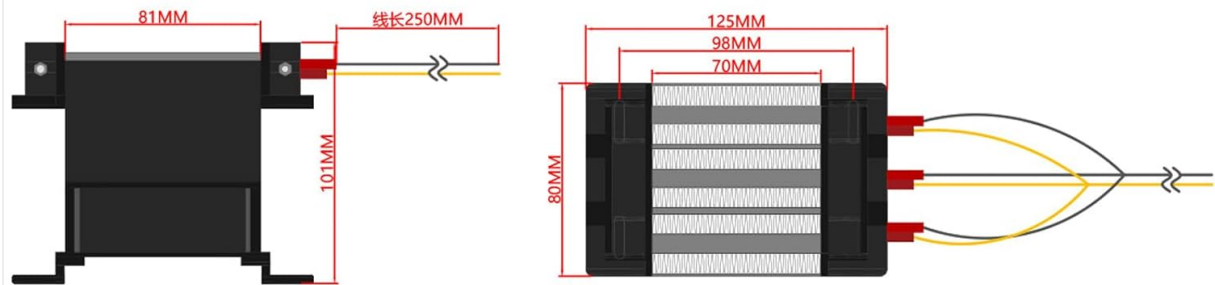


Image: Front view of the PTCYIDU 500W 110V PTC Fan Heater.

SAFETY PROTECTION INSULATION TEMPERATURE RESISTANCE

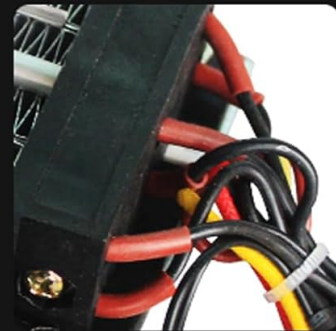
*Can be operated in less than 95% humidity for extended periods of time.



TH 230°C
Temperature-resistant
Bracket



TH 200°C
Insulated High
temperature resistant
wires



TH 350°C
Insulated High
temperature resistant
sheath

Image: PTCYIDU 500W 110V PTC Fan Heater with wiring.

3. SPECIFICATIONS

Feature	Specification
Brand	PTCYIDU
Product Model	MZ45-FJ500-110V
Heat Output	500 Watts
Voltage	110 Volts
Amperage	4.54 Amps
Product Dimensions (L*W*H)	125 x 101 x 80 mm
Mounting Hole Dimension	16 x 4 mm (±1)
Installation Distance	98 x 64 mm (±1)
PTC Wire Fan Wire Material	Teflon/Silicone

Feature	Specification
Wire Length	250 mm
Resistance Wire Temperature	> 200°C
Strip Length	10 mm
Rated Voltage of Fan	90~260V
Rated Current	2.7~4.5A
Heating Material	PTC
Bracket Material	PA66
Heat Shrinkable Tube Sleeve Temp. Resistance	> 300°C
Heater Life	> 5000h
Item Weight	15.8 ounces
Color	Black
Indoor/Outdoor Usage	Indoor
Recommended Uses	Home, Office, Garage, Camping, Garden, Greenhouse

Image: Detailed specifications and dimensional diagrams of the heater.

4. SETUP

1. **Unpack:** Carefully remove the heater from its packaging. Inspect for any damage.
2. **Placement:** Place the heater on a firm, level surface, ensuring adequate clearance from walls, furniture, and other objects as specified in the Safety Information.
3. **Power Connection:** Connect the power cord to a standard 110V electrical outlet. Ensure the connection is secure.
4. **Mounting (Optional):** If integrating into a custom system, use the provided mounting holes and refer to the dimensional diagrams in the specifications section for proper installation.

Your browser does not support the video tag.

Video: Demonstration of the PTCYIDU 500W 110V PTC Fan Heater, showing its components and basic assembly.

5. OPERATING INSTRUCTIONS

1. **Power On:** Once properly set up and connected to power, the heater is ready for operation. For models with an on/off switch, activate the switch.
2. **Fast Heating:** The PTC ceramic element quickly converts electrical energy into heat, typically reaching stable operation within 30 seconds.

3. **Constant Temperature:** The heater is designed to operate at a constant temperature, providing consistent heat output.

4. **Airflow:** The integrated fan circulates air over the heating element, distributing warm air.



Image: Heater utilizing ceramic constant temperature technology for continuous heat output.



Image: PTC element rapidly converting electric energy to heat within 30 seconds.

Your browser does not support the video tag.

Video: Demonstration of the PTC Heating Element, showcasing its operation and heat generation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your PTCYIDU Fan Heater.

- **Cleaning:** Ensure the heater is unplugged and completely cool before cleaning. Use a soft, damp cloth to wipe the exterior. Do not use abrasive cleaners or allow water to drip into the heater.
- **Air Vents:** Periodically check and clean the air intake and exhaust vents to ensure they are free from dust and debris. Use a vacuum cleaner with a brush attachment if necessary.
- **Storage:** When not in use, store the heater in a cool, dry place, away from direct sunlight and moisture.
- **Service Life:** The heater is designed for continuous operation for more than 20,000 hours, with repeated switching not affecting its service life.



Image: Heater designed for long-term continuous operation.

7. TROUBLESHOOTING

If you encounter issues with your heater, refer to the following common troubleshooting steps:

- **Heater Not Turning On:**
 - Ensure the power cord is securely plugged into a working 110V outlet.
 - Check if the safety switch on the bottom of the unit is engaged (if applicable). The heater must be on a flat surface for this switch to activate.
 - Verify that the power switch on the unit is in the 'ON' position.
- **No Heat Output:**
 - Confirm the unit is powered on.
 - Check for any obstructions around the air vents that might be preventing proper airflow.
 - If the heater has been running for an extended period, the internal overheat protection might have activated. Unplug the unit, allow it to cool down for 10-15 minutes, and then try again.
- **Unusual Noises:**
 - Ensure the fan is not obstructed by any foreign objects.
 - If unusual noises persist, discontinue use and contact customer support.

For issues not covered here, please contact PTCYIDU customer support.

8. WARRANTY AND SUPPORT

For information regarding product warranty, returns, or technical support, please refer to the documentation included with your purchase or visit the official PTCYIDU website. Additional protection plans may be available for purchase through your retailer.