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Fafeicy Fafeicy3pvno2z95u-02

Fafeicy Ceramic Air Heater User Manual

Model: Fafeicy3pvno2z95u-02 | Brand: Fafeicy

1. Introduction

This manual provides essential information for the safe and efficient use of your Fafeicy Ceramic Air Heater. This device utilizes a PTC ceramic heating element and an aluminum tube, designed for high heat transfer efficiency and automatic constant temperature operation. It is an energy-saving solution primarily used for heating small instruments and environmental temperature control in compact enclosures.

2. Safety Instructions

- **Electrical Safety:** Ensure the heater is connected to the correct voltage (110V or 220V) as specified for your model. All electrical connections should be made by a qualified professional and comply with local electrical codes.
- **Avoid Dry Heating:** The heater is equipped with a normally closed temperature control protector set at 160 degrees Celsius. To prevent damage and ensure safety, the heater must **not** be operated without adequate airflow (dry-heated).
- **Insulation:** The ceramic air heater features surface insulation for high safety. However, always ensure proper insulation of all wiring connections.
- **Placement:** Do not obstruct the airflow around the heating element. Ensure sufficient space for heat dissipation.
- **Moisture:** Do not expose the heater to water or other liquids. Operate in a dry environment.
- **Handling:** Do not touch the heating element when it is operating or immediately after shutdown, as it will be hot.

3. Product Overview and Features

The Fafeicy Ceramic Air Heater is designed for reliable and efficient heating in various applications.

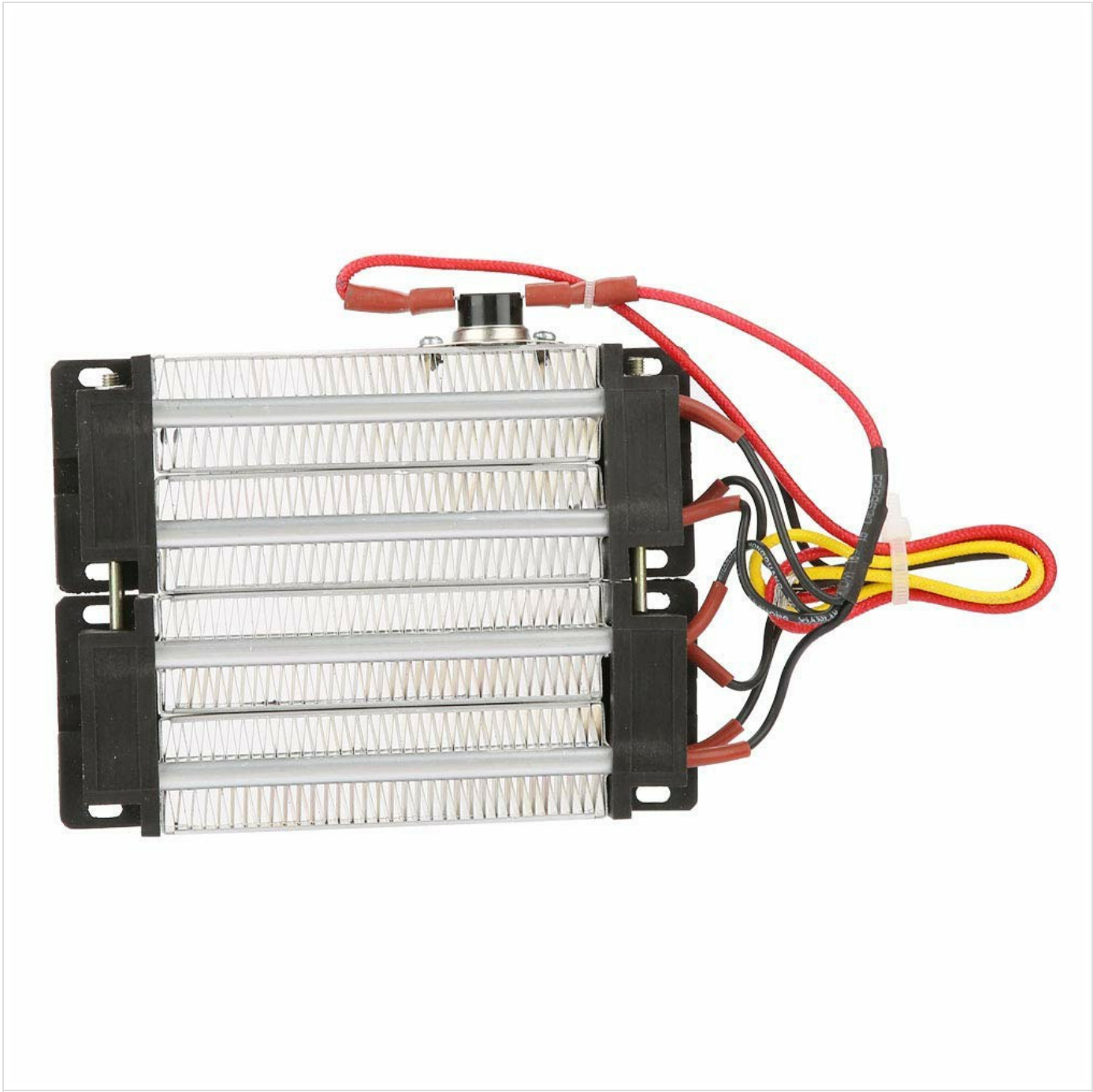


Image 1: Top view of the Fafeicy Ceramic Air Heater, showing the aluminum fins and electrical connections.

Key Features:

- **Advanced Heating Element:** Utilizes PTC ceramic heating element and aluminum tube for low thermal resistance and high heat transfer efficiency.
- **Automatic Constant Temperature:** Maintains a stable temperature automatically, ensuring consistent performance.
- **Energy Saving:** Designed for efficient operation, contributing to energy conservation.
- **High Safety:** Features surface insulation for enhanced operational safety.
- **Durable Construction:** Built for a long service life, exceeding 3 years under normal conditions.

Applications:

This ceramic air heater is suitable for a wide range of uses, including:

- Air conditioners
- Electric heaters

- Instruments and small appliances
- Air curtain machines
- Humidifiers
- Small box environment heating



Image 2: Close-up view of the aluminum heating fins, showing the intricate design for efficient heat dissipation.

4. Package Contents

Please check the package for the following items:

- 1 x Fafeicy PTC Ceramic Air Heater

Note: The color of the lead wires may vary.

5. Setup

This ceramic air heater is an electrical component that requires proper installation.

1. **Mounting:** Securely mount the heater in the desired location, ensuring it is stable and has adequate clearance for airflow.
2. **Electrical Connection:** Connect the bare lead wires to your power supply (110V or 220V, depending on the model purchased). The connection is non-polar, meaning the positive and negative poles can be connected interchangeably.
3. **Insulation:** Ensure all electrical connections are properly insulated to prevent short circuits and electrical hazards.
4. **Airflow:** Verify that there is unobstructed airflow through the heating element. This is crucial for efficient operation and to prevent the unit from dry-heating.

6. Operating Instructions

Once properly installed and connected to the power supply, the Fafeicy Ceramic Air Heater operates automatically:

- **Power On:** Apply the rated voltage to the connected wires.
- **Automatic Operation:** The heater will begin to generate heat and automatically maintain a constant temperature through the airflow. No manual adjustments are typically required for temperature control, as it is self-regulating.
- **Power Off:** Disconnect the power supply to turn off the heater.

7. Maintenance

To ensure optimal performance and longevity of your ceramic air heater, follow these maintenance guidelines:

- **Keep Clean:** Periodically inspect the heating element and aluminum fins for dust, lint, or debris. Gently clean with a soft brush or compressed air to maintain efficient airflow.
- **Check Connections:** Ensure all electrical connections remain secure and free from corrosion.
- **Avoid Obstructions:** Regularly check that the air intake and exhaust areas are not obstructed.
- **No Liquids:** Do not use liquid cleaners directly on the heating element. Do not immerse the unit in water.

8. Troubleshooting

If you encounter issues with your Fafeicy Ceramic Air Heater, refer to the following:

- **No Heat Output:**
  - Check if the power supply is connected correctly and providing the rated voltage.
  - Ensure there are no loose connections or damaged wires.
- **Heater Shuts Off Unexpectedly / Overheating:**
  - The unit has a built-in 160°C temperature protector. If the temperature exceeds this, it will shut off.
  - Verify that there is sufficient airflow through the heating element. Obstructions can cause overheating.
  - Ensure the heater is not operating in a dry-heated condition (without airflow).
- **Unusual Noises or Smells:**
  - Immediately disconnect power. Inspect the unit for any visible damage or foreign objects. If the issue persists, discontinue use and contact support.

9. Specifications

Technical specifications for the Fafeicy Ceramic Air Heater:

Feature	Specification
Model Number	Fafeicy3pvno2z95u-02
Material	PTC Ceramic Heating Element, Aluminum Tube, Plastic
Power	1000W
Voltage (Optional)	110V / 220V
Heating Mode	Heat through airflow
Lead Material	High-temperature resistance wire
Heater Life	Over 3 years
Ripple Length	96 mm
Dimensions (L x W x H)	140 x 102 x 26 mm (5.5 x 4 x 1 inch)
Weight	318g / 11.2 oz
Temperature Protector	Normally closed at 160°C

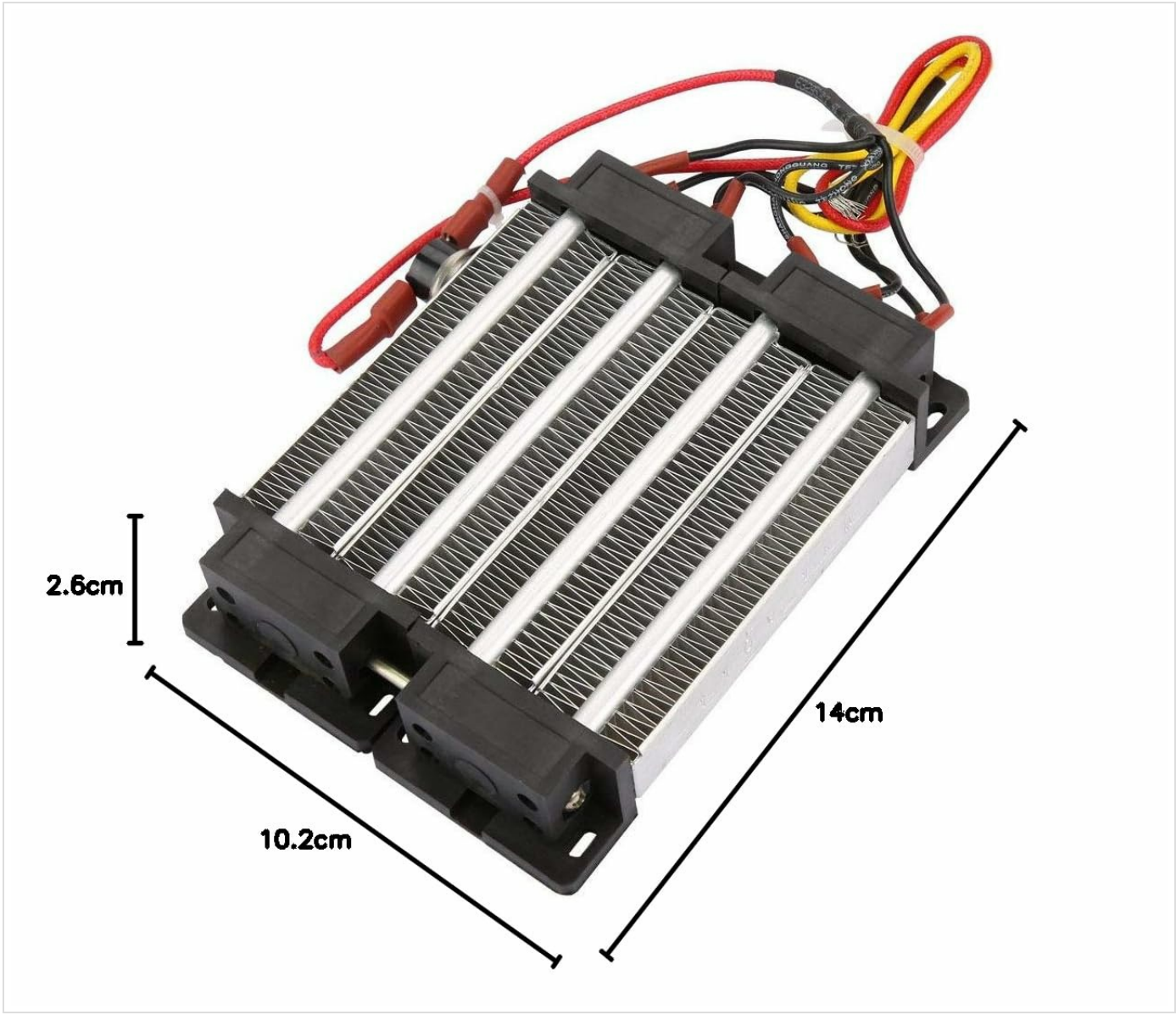


Image 3: Diagram showing the dimensions of the Fafeicy Ceramic Air Heater.

10. Warranty and Support

For warranty information or technical support, please refer to the documentation provided with your purchase or contact the manufacturer directly. Keep your purchase receipt as proof of purchase.

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