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Tempco EHT00030

Tempco EHT00030 Tubular Enclosure Heater User Manual

1. Introduction

This manual provides essential instructions for the safe installation, operation, and maintenance of your Tempco EHT00030 Tubular Enclosure Heater. Please read this manual thoroughly before attempting to install or operate the unit. Retain this manual for future reference.

2. Safety Information

WARNING: Risk of electric shock and fire. Improper installation or operation can lead to serious injury or death.

- Always disconnect power before installing, servicing, or cleaning the heater.
- Installation must be performed by a qualified electrician and comply with all local and national electrical codes.
- Ensure the heater is properly grounded.
- Do not operate the heater if the power cord or unit is damaged.
- Keep flammable materials away from the heater.
- Do not immerse the heater in water or expose it to excessive moisture.
- This heater is designed for enclosure heating. Do not use it for purposes other than its intended use.

3. Product Overview

The Tempco EHT00030 is a tubular enclosure heater designed to maintain a stable temperature within an enclosed space, preventing condensation and ensuring optimal performance of sensitive equipment. It features a robust metal housing with ventilation slots and an integrated adjustable thermostat.

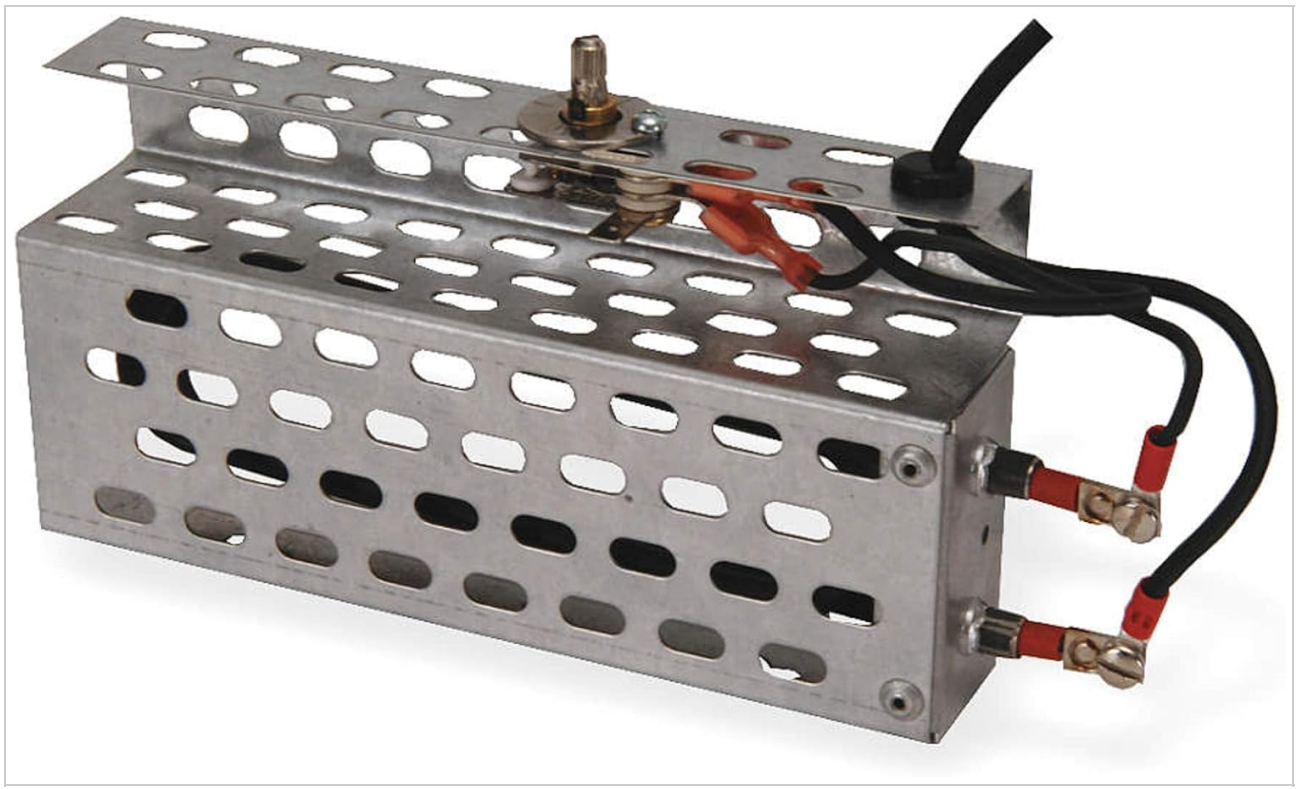


Figure 1: Tempco EHT00030 Tubular Enclosure Heater. This image displays the heater unit, characterized by its perforated metal casing, which allows for heat dissipation. Visible components include the adjustable thermostat knob located on the top surface, and the electrical wiring connected to terminals on the side of the unit.

Key Components:

- **Heater Body:** Perforated metal casing housing the heating element.
- **Thermostat Knob:** Located on the top, used to set the desired temperature.
- **Wiring Terminals:** Connection points for electrical supply.
- **Power Cord:** 36-inch HPN cord for electrical connection.

4. Specifications

Feature	Specification
Model	EHT00030
Type	Tubular Enclosure Heater
Wattage	100 Watts
Voltage	120 Volts
Phase	1
Thermostat Range	30°F to 150°F (-1°C to 65.5°C)
Approximate Heater Dimensions (L x W x H)	8.375 in (21.27 cm) x 1.5625 in (3.97 cm) x 3.625 in (9.21 cm)
Power Cord	36-inch (91.44 cm) HPN Cord
Item Weight	454 g (0.454 kg)
Manufacturer Part Number	EHT00030

Manufacturer	Tempco

5. Setup and Installation

Proper installation is crucial for the safe and efficient operation of the EHT00030 heater. Consult a qualified electrician for installation to ensure compliance with all applicable electrical codes and safety standards.

Installation Steps:

1. **Mounting Location:** Select a suitable location within the enclosure that allows for adequate air circulation around the heater. Ensure the mounting surface is stable and non-flammable.
2. **Mounting:** Secure the heater firmly using appropriate fasteners through the designated mounting holes.
3. **Electrical Connection:** Connect the 36-inch HPN cord to a 120V, 1-phase power supply. Ensure all connections are secure and properly insulated. Follow the wiring diagram provided with the unit or consult a qualified electrician.
4. **Grounding:** Verify that the heater is properly grounded to prevent electrical hazards.
5. **Initial Inspection:** Before applying power, visually inspect all connections and ensure no foreign objects are inside the enclosure or near the heater.

6. Operating Instructions

Once installed and connected to power, the Tempco EHT00030 heater operates automatically based on its integrated thermostat setting.

Setting the Thermostat:

1. Ensure power is supplied to the heater.
2. Locate the thermostat adjustment knob on the top of the heater unit.
3. Rotate the knob to the desired temperature setting within the range of 30°F to 150°F. Turning the knob clockwise typically increases the set temperature.
4. The heater will activate when the ambient temperature in the enclosure falls below the set point and will deactivate once the set temperature is reached.

Allow some time for the enclosure temperature to stabilize after adjusting the thermostat.

7. Maintenance

Regular maintenance helps ensure the longevity and efficient operation of your heater.

- **Power Disconnection:** Always disconnect power to the heater before performing any maintenance.
- **Cleaning:** Periodically clean the exterior of the heater to remove dust and debris. Use a soft, dry cloth. Do not use abrasive cleaners or solvents. Ensure ventilation slots are clear.
- **Inspection:** Annually inspect the power cord for any signs of damage (fraying, cracks). Check electrical connections for tightness.
- **Ventilation:** Ensure that the enclosure's ventilation remains unobstructed to prevent overheating.

8. Troubleshooting

If you encounter issues with your Tempco EHT00030 heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Heater does not turn on	No power supply Thermostat set too low Faulty wiring	Check power source and circuit breaker Increase thermostat setting Inspect wiring (by qualified personnel)
Heater runs continuously	Thermostat set too high Enclosure temperature too low Faulty thermostat	Decrease thermostat setting Verify enclosure conditions Contact support for thermostat replacement
Insufficient heating	Heater undersized for enclosure Poor air circulation Thermostat set too low	Consult specifications for proper sizing Ensure clear ventilation Increase thermostat setting

If the problem persists after attempting these solutions, contact Tempco customer support.

9. Warranty and Support

For warranty information or technical assistance, please contact Tempco customer support. Keep your purchase receipt and product model number (EHT00030) readily available when contacting support.

Contact information can typically be found on the manufacturer's official website or on your product packaging.

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