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Hobart 353613-00002

Hobart 353613-00002 Temperature Controller 500°F

USER MANUAL

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of the Hobart 353613-00002 Temperature Controller. This device is designed to accurately regulate temperatures up to 500°F in compatible Hobart equipment. Please read this manual thoroughly before attempting any installation or operation to ensure safe and efficient use.



Figure 1: Hobart 353613-00002 Temperature Controller. This image displays the Hobart 353613-00002 Temperature Controller, a compact electronic device designed for precise temperature regulation. It features a rectangular housing, typically black or dark gray, with connection terminals visible for wiring into an appliance. The controller is designed to manage temperatures up to 500°F.

2. Safety Information

WARNING: Electrical shock hazard. Disconnect power before servicing.

- Always ensure that the main power supply to the equipment is disconnected before installing, servicing, or removing the temperature controller.
- Installation and maintenance should only be performed by qualified personnel familiar with electrical systems and the specific equipment.
- Verify that the voltage and current ratings of the controller match the requirements of the application.
- Do not operate the controller if it appears damaged or if any wiring is exposed.
- Ensure proper grounding of all electrical components.

3. Setup and Installation

The Hobart 353613-00002 Temperature Controller is designed for integration into existing Hobart equipment. Specific installation steps may vary depending on the model of the appliance. Refer to the service manual of your specific Hobart equipment for detailed wiring diagrams and mounting instructions.

1. **Power Disconnection:** Ensure all power to the appliance is disconnected at the main circuit breaker.
2. **Access:** Gain access to the control panel or component area where the temperature controller is to be installed or replaced.
3. **Mounting:** Securely mount the new controller in the designated location.
4. **Wiring:** Connect the electrical harness to the controller terminals according to the appliance's wiring diagram. Pay close attention to line, load, and sensor connections.
5. **Sensor Placement:** Ensure the temperature sensor (if external) is correctly positioned to accurately measure the desired temperature.
6. **Verification:** Double-check all connections for tightness and correctness before restoring power.

4. Operating Instructions

Once installed, the temperature controller operates automatically to maintain the set temperature. The specific operation and adjustment methods are dependent on the host appliance's control interface.

- **Power On:** Restore power to the appliance. The controller will typically initiate a self-check.
- **Temperature Setting:** Adjust the desired temperature using the appliance's control panel or thermostat dial. The Hobart 353613-00002 will then regulate the heating elements to achieve and maintain this set point.
- **Monitoring:** Observe the appliance's temperature display (if available) to confirm proper operation and temperature regulation.

5. Maintenance

The Hobart 353613-00002 Temperature Controller is designed for reliability and typically requires minimal maintenance. However, periodic checks can help ensure its longevity and proper function.

- **Visual Inspection:** Periodically inspect the controller and its wiring for any signs of damage, corrosion, or loose connections.
- **Cleaning:** Keep the area around the controller clean and free from dust, grease, or debris that could impede airflow or cause overheating. Use a dry, soft cloth for cleaning. Do not use liquid cleaners directly on the controller.

- **Connection Checks:** Ensure all electrical connections remain secure.

6. Troubleshooting

If the appliance is not maintaining the correct temperature or exhibiting unusual behavior, consider the following troubleshooting steps:

Symptom	Possible Cause	Action
Appliance not heating or overheating.	Faulty temperature sensor, incorrect wiring, controller failure, or heating element failure.	Check sensor connections and resistance. Verify wiring against diagram. If issues persist, consult a qualified technician.
Inconsistent temperature regulation.	Sensor placement issue, environmental factors, or controller calibration drift.	Ensure sensor is correctly placed and not affected by drafts. Consult appliance service manual for calibration procedures.
Controller not powering on.	No power supply, loose connections, or internal controller fault.	Check main power supply and circuit breaker. Verify all power connections to the controller.

For complex issues or if troubleshooting steps do not resolve the problem, contact a certified service technician.

7. Specifications

Feature	Detail
Model Number	00-353613-00002
Maximum Temperature	500°F
Voltage	120/240V AC
Dimensions (approx.)	2-5/8" x 3-1/2" (Controller body)
Item Weight	0.01 ounces
Manufacturer	VULCAN-HART
Date First Available	December 1, 2012

8. Warranty and Support

For information regarding the warranty of your Hobart 353613-00002 Temperature Controller, please refer to the documentation provided with your original Hobart appliance or contact Hobart customer support directly. Warranty terms and conditions may vary.

For technical support, replacement parts, or service inquiries, please contact your authorized Hobart service provider or visit the official Hobart website. When contacting support, please have your appliance model number and the controller part number (353613-00002) available.

