

EVERBILT EB11698

Everbilt T-O-D Style Upper-Element Thermostat Instruction Manual

Model: EB11698

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Everbilt T-O-D Style Upper-Element Thermostat. This thermostat is designed for use in residential electric water heaters, specifically those with a non-simultaneous heating design where only one heating element operates at a time. Please read these instructions thoroughly before proceeding with installation or use.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock and Burns.

- Always disconnect power to the water heater at the circuit breaker or fuse box before attempting any installation, maintenance, or inspection.
- Ensure the power supply is locked out and tagged out to prevent accidental re-energization.
- Installation and servicing should only be performed by qualified personnel familiar with electric water heater systems and electrical safety procedures.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Do not bypass or modify any safety features of the thermostat or water heater.
- Ensure all wiring connections are secure and comply with local electrical codes.

3. PRODUCT OVERVIEW

The Everbilt T-O-D Style Upper-Element Thermostat is a critical component for controlling the

temperature of the upper heating element in a two-element electric water heater. It features a temperature adjustment dial and terminals for electrical connections.



Figure 1: Front view of the Everbilt T-O-D Style Upper-Element Thermostat. This image shows the electrical terminals, the red reset button, and the temperature adjustment dial with settings ranging from 90°F (32°C) to 150°F (66°C).

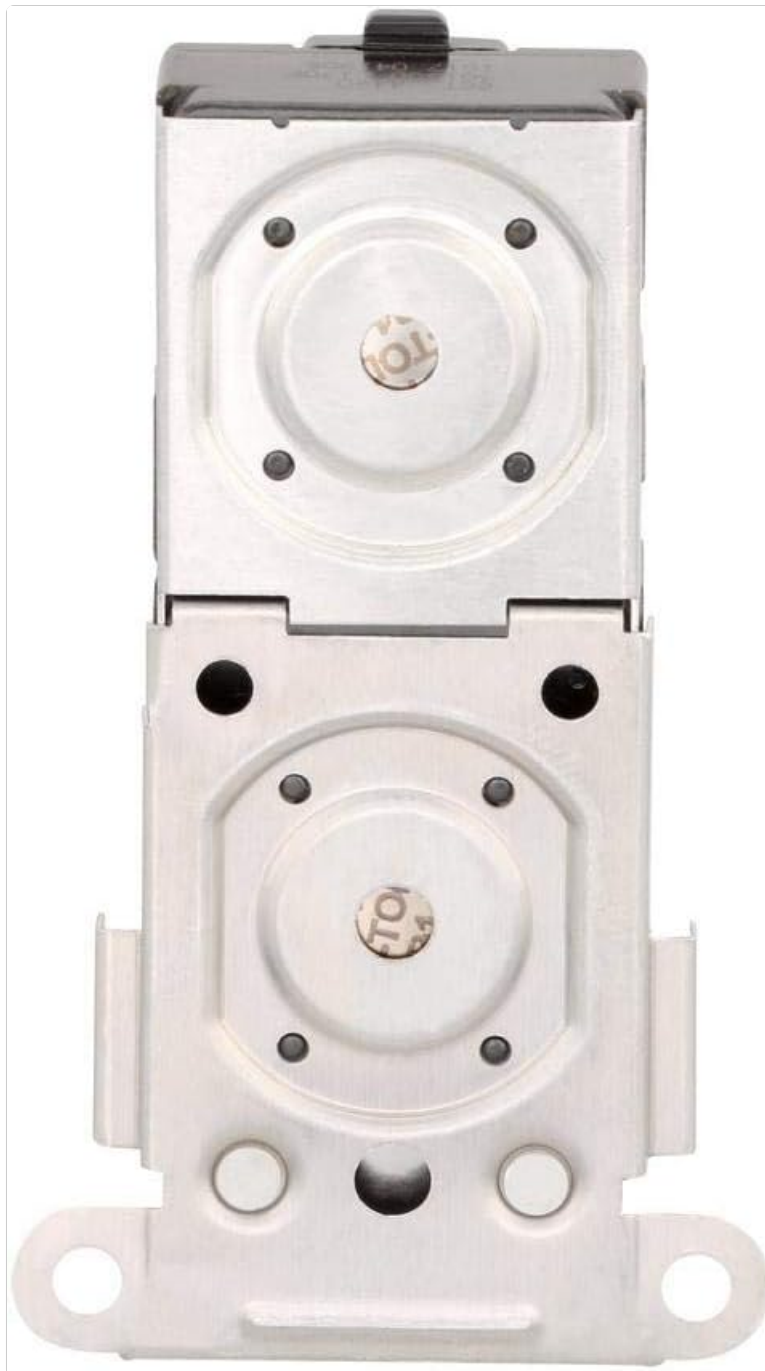


Figure 2: Back view of the Everbilt T-O-D Style Upper-Element Thermostat. This image displays the metallic backplate and the mounting points used to secure the thermostat to the water heater tank.

4. INSTALLATION

Before beginning, ensure all power to the water heater is OFF at the main electrical panel.

1. **Disconnect Power:** Turn off the circuit breaker or remove the fuses supplying power to the water heater. Verify power is off using a voltage tester.
2. **Access Thermostat:** Remove the access panel(s) on the water heater to expose the thermostats and heating elements. You may need to remove insulation.
3. **Remove Old Thermostat:** Carefully disconnect the wires from the old upper thermostat, noting their positions for correct re-connection. Remove the old thermostat from its mounting clips.

4. **Install New Thermostat:** Insert the new Everbilt T-O-D Style Upper-Element Thermostat into the mounting clips, ensuring it sits flush against the tank.
5. **Reconnect Wiring:** Connect the electrical wires to the new thermostat terminals exactly as they were connected to the old one. Refer to the water heater's wiring diagram if unsure. Ensure all connections are tight and secure.
6. **Set Temperature:** Adjust the temperature dial on the thermostat to your desired setting. A common setting is 120°F (49°C) for energy efficiency and safety.
7. **Replace Panels:** Replace any insulation and the access panel(s).
8. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.
9. **Test Operation:** Allow the water heater to heat up and check for proper operation.

5. OPERATION

The Everbilt T-O-D Style Upper-Element Thermostat works in conjunction with the lower thermostat in a non-simultaneous electric water heater system. When the water in the upper portion of the tank cools below the set temperature, the upper thermostat activates the upper heating element. Once the upper portion of the tank reaches the set temperature, the upper thermostat deactivates the upper element and allows power to flow to the lower thermostat, which then controls the lower heating element.

To adjust the water temperature, rotate the dial on the front of the thermostat to the desired setting. The red button on the thermostat is a manual reset button for the high-limit switch. If the water temperature exceeds a safe limit, this switch will trip, cutting power to the elements. If tripped, allow the water heater to cool, then press the red button to reset.

6. MAINTENANCE

The Everbilt T-O-D Style Upper-Element Thermostat generally requires minimal maintenance. However, periodic inspection is recommended:

- **Annual Inspection:** Annually, with power disconnected, remove the access panel and visually inspect the thermostat and wiring for any signs of corrosion, loose connections, or heat damage.
- **Cleanliness:** Ensure the area around the thermostat is free from dust and debris, which could impede heat transfer or create fire hazards.
- **Reset Button:** If the high-limit reset button trips frequently, it may indicate an underlying issue with the water heater or thermostat. Consult a qualified technician.

7. TROUBLESHOOTING

If your water heater is not functioning correctly, consider the following common issues:

Problem	Possible Cause	Solution
No hot water	No power to water heater Tripped high-limit switch Faulty upper thermostat Faulty heating element	Check circuit breaker/fuses Press reset button on thermostat Test thermostat (with power off) Test heating element (with power off)
Insufficient hot water	Thermostat set too low Faulty upper thermostat Faulty heating element	Adjust thermostat setting higher Test thermostat (with power off) Test heating element (with power off)
Water too hot	Thermostat set too high Faulty thermostat	Adjust thermostat setting lower Test and replace thermostat if necessary

If troubleshooting steps do not resolve the issue, it is recommended to contact a qualified appliance technician or plumber for further diagnosis and repair.

8. SPECIFICATIONS

- **Brand:** EVERBILT
- **Model Number:** EB11698
- **Controller Type:** Push Button (for reset)
- **Specific Uses For Product:** Water Heater
- **Temperature Control Type:** Heating
- **Power Source:** Corded Electric (controlled by thermostat)
- **Display Type:** Analog (dial)
- **Item Weight:** 5.6 ounces
- **Product Dimensions:** 9 x 8 x 6 inches (packaging dimensions)
- **UPC:** 662766525014

9. WARRANTY INFORMATION

Specific warranty details for the Everbilt T-O-D Style Upper-Element Thermostat are typically provided with the product packaging or can be found on the manufacturer's official website. Please retain your proof of purchase for warranty claims. This product is often sold as a replacement part, and warranty coverage may vary.

10. CUSTOMER SUPPORT

For technical assistance, replacement parts, or further inquiries regarding your Everbilt T-O-D Style

Upper-Element Thermostat, please refer to the contact information provided on the product packaging or visit the official Everbilt website. When contacting support, please have your product model number (EB11698) and purchase date available.