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thermomate ZERO16 Lux

thermomate ZERO16 Lux 4.23 GPM Outdoor Propane Tankless Water Heater User Manual

Model: ZERO16 Lux | Brand: thermomate

Introduction

This manual provides essential information for the safe and efficient operation of your thermomate ZERO16 Lux 4.23 GPM Outdoor Propane Tankless Water Heater. Please read all instructions carefully before installation and use to ensure proper function and safety.

Safety Information

- For outdoor use only. Ensure the unit is placed in a well-ventilated area, away from any enclosed spaces or flammable materials.
- Always check for gas leaks with a soap water solution before each operation. Do not use the unit if a gas leak is detected.
- Do not operate the unit if the water temperature exceeds 176°F (80°C). The unit features overheating protection, but manual monitoring is advised.
- Implement anti-freezing measures in cold environments or when storing the unit to prevent damage from freezing water. Refer to the Maintenance section for details.
- Keep children and pets away from the unit during operation.
- Always follow local codes and regulations for propane appliance installation and use.

Package Contents

Please verify that all the following items are present in your package:

- thermomate ZERO16 Lux Tankless Water Heater Unit
- Gas Regulator and Hose
- Shower Head with Hose
- Instruction Manual
- Mounting Hardware
- Water Inlet/Outlet Connectors



Image showing the thermomate ZERO16 Lux water heater unit along with its included accessories: gas regulator, shower head, and hoses.

Product Features

- **0.7 PSI Low Water Pressure Startup:** Equipped with two magnetic water flow sensors, ensuring the unit works efficiently even at low water pressure.
- **Multiple Protection Features:** Includes an anti-freezing apparatus for cold areas, overheating protection (gas supply shuts off automatically if water temperature exceeds 176°F / 80°C), and flameout protection.
- **Instant Hot Water:** Delivers up to 4.23 GPM (16 Liters) of hot water on demand with a maximum power output of 109,000 BTU/Hr, eliminating the need for preheating.
- **Lightweight and Portable Design:** Compact dimensions (25.6" L x 7.5" H x 15.7" W) and a net weight of 23.4 lbs make it ideal for camping, RVs, hunting cabins, and other outdoor uses.
- **360° Rotating Shower Head:** Features three distinct spray settings (Pulse, Mountain Dew, Rain) and a convenient one-press water stop function for water conservation.

0.7 PSI LOW WATER PRESSURE START UP

Perfect For Water Shortage Areas

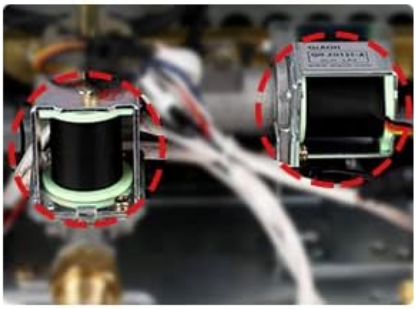


The thermomate ZERO16 Lux water heater demonstrating its lightweight and compact design, suitable for portability.

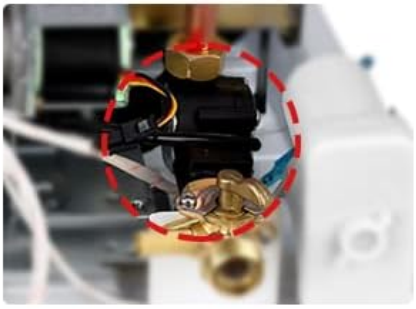
EXCLUSIVE DUAL SOLENOID VALVE STRUCTURE

Along With 1 PC Water Flow Sensor

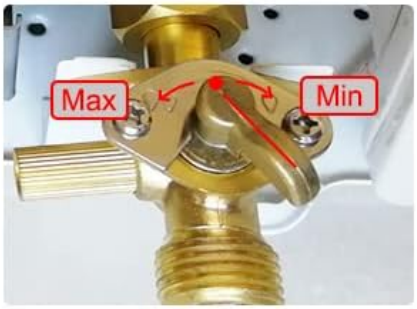




SOLENOID VALVE



WATER FLOW SENSOR



WATER CONTROL

Close-up view of the water heater's internal components, highlighting the dual solenoid valve structure and water flow sensor for efficient operation.



Illustration of the 360° rotating shower head with its three spray modes: Pulse, Mountain Dew, and Rain, and a water stop button.

Setup

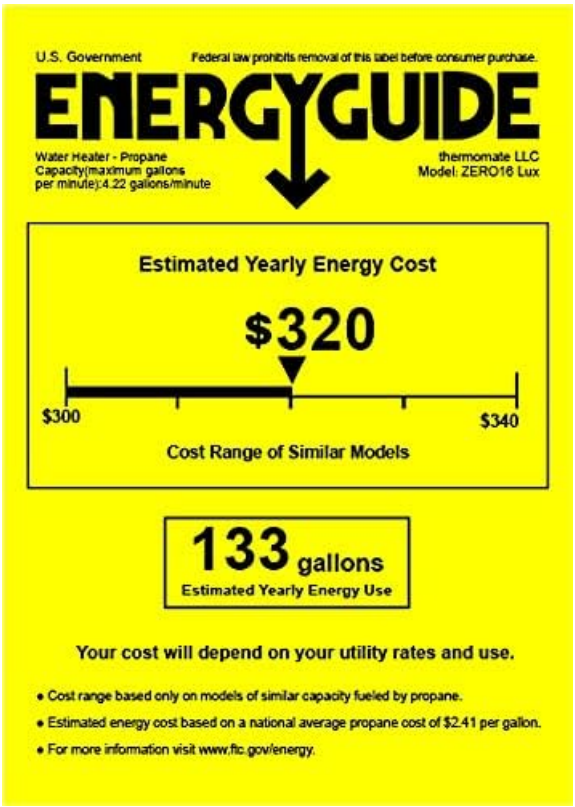
1. **Mounting:** Securely hang the water heater unit in a well-ventilated outdoor area using the integrated handle. Ensure it is stable and level.
2. **Gas Connection:** Connect the provided gas regulator and hose to the gas inlet on the unit and to a propane tank. Hand-tighten connections, then use a wrench for a secure fit. Perform a soap water leak test on all gas connections before proceeding.
3. **Water Inlet Connection:** Connect a cold water supply hose (e.g., garden hose) to the water inlet on the unit. Ensure a tight seal to prevent leaks.
4. **Water Outlet Connection:** Connect the shower hose with the shower head to the water outlet on the unit.
5. **Battery Installation:** Install two D-cell batteries (not included) into the battery compartment for the electronic ignition system. Ensure correct polarity.

Your browser does not support the video tag.

Video demonstrating the setup process for the thermomate portable water heater, including connecting gas and water lines, and attaching the shower head.

Operating Instructions

1. **Water Flow:** Turn on the cold water supply to the unit. The unit requires a minimum water pressure of 0.7 PSI to activate the ignition.
2. **Gas Supply:** Open the valve on your propane tank.
3. **Ignition:** The unit will automatically ignite when water flows through it. You should hear a clicking sound followed by the burner igniting.
4. **Temperature Adjustment:** Adjust the water flow and gas knobs on the unit to achieve your desired water temperature.
    - To decrease water temperature: Increase water flow (turn water valve towards maximum) or decrease gas supply (turn gas knob towards minimum).
    - To increase water temperature: Decrease water flow or increase gas supply.
5. **Shut Down:** To turn off the unit, first turn off the gas supply at the propane tank, then turn off the water supply to the unit. This sequence helps prevent residual gas in the lines.



The thermomate ZERO16 Lux water heater providing instant hot water for an outdoor shower, illustrating its practical application.

Maintenance

Anti-freezing Advice at Low Temperature

To prevent damage from freezing in cold areas or during periods of non-use, it is crucial to drain all water from the appliance:

1. Close the water inlet valve first.
2. Open the shower head to release any pressure, and then turn on the drain plug located at the bottom of the unit.

3. Allow all residual water to drain completely from the appliance.



Diagram illustrating the steps for draining the water heater to prevent freezing damage.

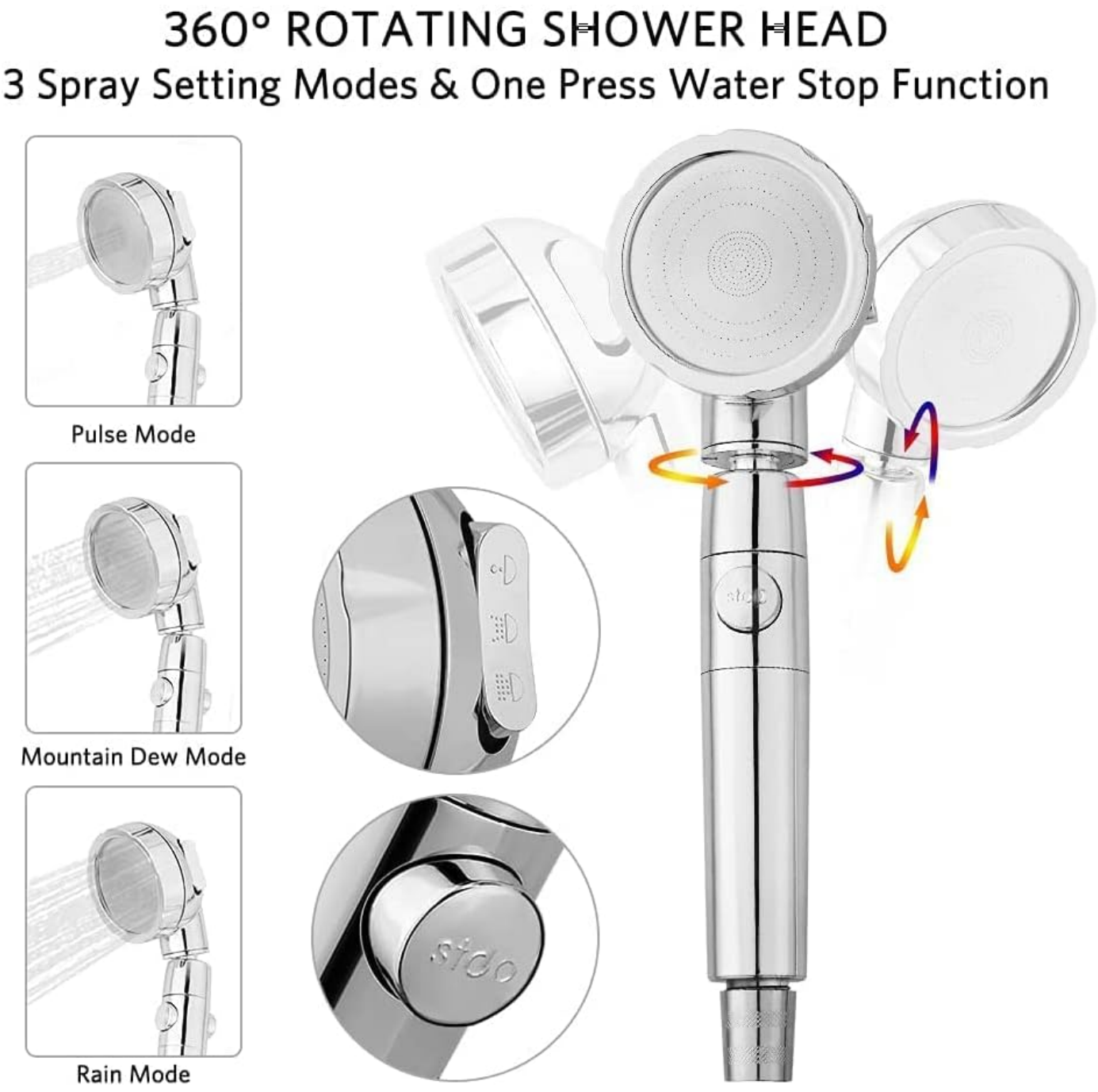
Troubleshooting

- **No Hot Water:** Check the propane tank for sufficient gas, ensure the gas valve is open, verify water flow is adequate (above 0.7 PSI), and confirm batteries are correctly installed and charged for ignition.
- **Water Too Hot/Cold:** Adjust the gas and water flow knobs on the unit. Increasing water flow or decreasing gas will lower the temperature; decreasing water flow or increasing gas will raise it. Refer to the "Operating Instructions" section.
- **Unit Not Igniting:** Verify that the water pressure is above the minimum 0.7 PSI requirement. Check all gas connections and ensure the batteries are functional.
- **Leakage:** Immediately shut off both the gas and water supply. Inspect all connections (gas, water inlet, water outlet) for tightness. Use thread seal tape on threaded connections if necessary. Perform a soap water test to pinpoint the exact location of any gas or water leaks.

Specifications

Feature	Detail
Brand	thermomate
Model Number	ZERO16 Lux
Capacity	16 Liters (4.23 GPM)
Power Source	Battery Powered (for ignition)
Special Features	Lightweight, Overheating Protection, Low Water Pressure Startup
Color	White
Wattage	32000 watts (equivalent to 109,000 BTU/Hr)
Voltage	3 Volts (AC)
Maximum Pressure	138 Pound per Square Inch
Mount Type	Wall (or hanging)

Feature	Detail
Item Weight	23.4 Pounds
Material Type	Stainless Steel
Included Components	Gas Regulator, Shower Head



Energy Guide label for the thermomate ZERO16 Lux propane water heater, showing estimated yearly energy cost and use.

Warranty and Support

For detailed warranty information, technical support, or service inquiries regarding your thermomate ZERO16 Lux water heater, please refer to the contact details provided in the original product packaging or visit the official thermomate website.

Manufacturer: thermomate

Email Support: support@thermomate.com

Website: www.thermomate.com
Phone Support: 1 (844) 334-4203

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