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ThermoMate ES15DE

ThermoMate ES15DE Electric Under-Sink Water Heater User Manual

Model: ES15DE | Capacity: 15 Liters | Power: 2000W

1. Introduction

Thank you for choosing the ThermoMate ES15DE Electric Under-Sink Water Heater. This compact and efficient appliance is designed to provide instant hot water for your kitchen or bathroom sink. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance. Keep this manual for future reference.



Image 1.1: The ThermoMate ES15DE electric water heater, highlighting its features: instant hot water, compact design, energy saving, and plug-and-play installation.

2. Safety Information

Your safety is paramount. Observe all warnings and instructions to prevent electric shock, fire, injury, or property damage.

- **Electrical Safety:** Ensure the power supply matches the appliance's requirements (230V). Do not use extension cords or adapters.
- **Water Pressure:** The maximum operating pressure is 7.5 Bar. A safety valve is included to protect against overpressure.
- **Overheating Protection:** The unit is equipped with automatic overheating protection. If the water temperature exceeds safe limits, the heater will shut off.
- **Dry-Burn Protection:** This feature prevents the heating element from operating without water, protecting the unit from damage.
- **Anti-Freeze Protection:** Helps prevent water in the tank from freezing in cold environments.
- **IPX24 Rating:** Indicates protection against splashing water from any direction.
- **Installation:** Installation must be performed by a qualified professional in accordance with local regulations.



Image 2.1: Visual representation of the safety features, including overpressure protection, anti-freeze protection, overheating protection, and IPX24 water resistance.

3. Product Components

The ThermoMate ES15DE water heater package includes the following items:

- 1x ThermoMate ES15DE Electric Water Heater
- 1x Safety Valve
- 1x Mounting Kit (includes expansion bolts, fixed plate, wood screws)
- 1x User Manual (this document and a detailed PDF version)



Image 3.1: The water heater shown with its included accessories: safety valve, expansion bolts, fixed plate, wood screws, and the user manual.

4. Installation

The ThermoMate ES15DE is designed for under-sink installation and can be mounted on a wall or placed on the floor. It connects to a standard 230V outlet.

4.1. Site Selection

- Choose a location under the sink, countertop, or cabinet that is easily accessible for maintenance.
- Ensure the area is protected from freezing temperatures.
- Verify that the mounting surface (if wall-mounting) is strong enough to support the full weight of the water heater (approx. 9 kg dry, significantly more when full).

4.2. Mounting Options

The unit can be installed either wall-mounted or floor-mounted, depending on your space and preference.



Image 4.1: Illustrates both wall-mounted and floor-mounted installation scenarios for the water heater, demonstrating its versatility.

4.3. Plumbing Connections

1. Install the provided safety valve onto the cold water inlet (marked blue) of the water heater.
2. Connect the cold water supply line to the safety valve.
3. Connect the hot water outlet (marked red) to your faucet's hot water line.
4. Ensure all connections are tight to prevent leaks. The inlet and outlet are G1/2" standard.

4.4. Filling the Tank

Before plugging in the unit, the tank must be completely filled with water:

1. Open the hot water faucet at your sink.
2. Turn on the cold water supply to the water heater.
3. Allow water to flow through the faucet until all air is purged from the tank and a steady stream of water comes out.
4. Close the hot water faucet.

4.5. Electrical Connection

Once the tank is filled, plug the water heater into a standard 230V electrical outlet. The unit is designed for plug-and-play operation.

5. Operating Instructions

The ThermoMate ES15DE provides instant hot water with adjustable temperature settings.

5.1. Temperature Adjustment

Use the control knob on the front of the unit to set your desired water temperature. The temperature range is 30°C to 75°C. The unit heats water quickly, typically reaching desired temperatures within minutes.

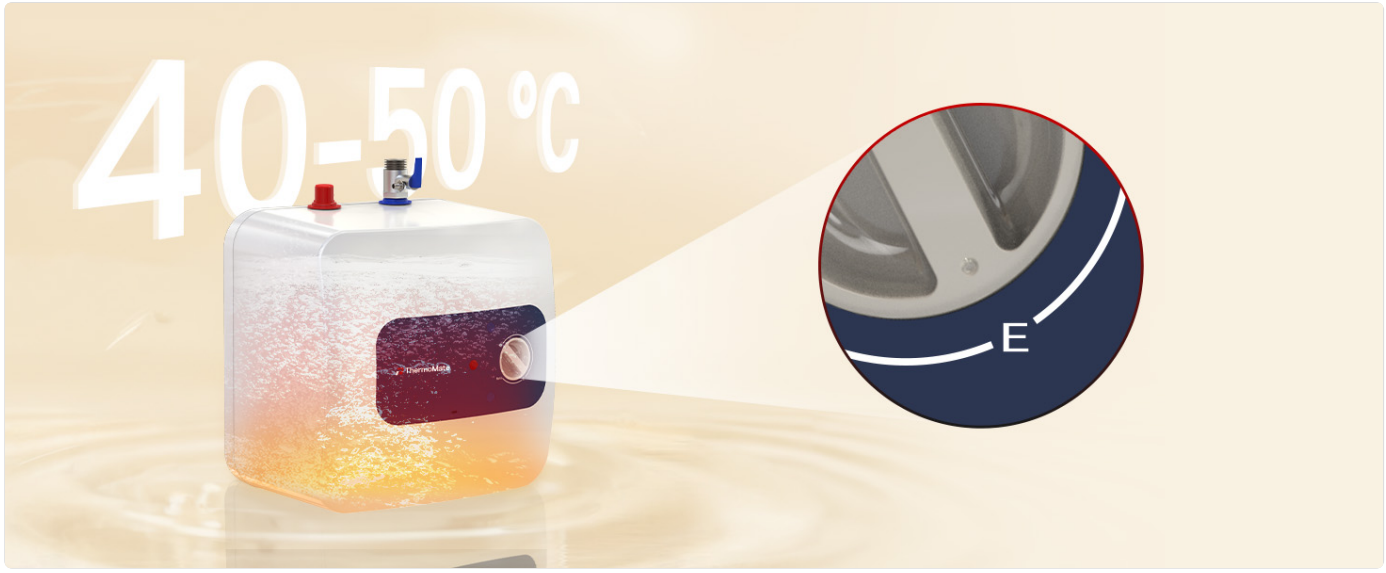


Image 5.1: A detailed view of the temperature control dial, allowing users to select their preferred water temperature.

5.2. Energy Saving Mode

The unit features an energy-saving 'E' setting on the temperature dial. This mode optimizes heating to reduce energy consumption while still providing comfortable hot water.

5.3. Hot Water Availability

With its 15-liter capacity and 2000W heating element, the water heater provides a sufficient supply of hot water for various daily tasks such as washing hands, face, dishes, and vegetables.



Image 5.2: Depicts different uses for the hot water provided by the unit, including washing hands, face, dishes, and vegetables.

6. Maintenance

Regular maintenance ensures the longevity and efficiency of your water heater.

6.1. Internal Protection

The water heater features an internal glass lining to reduce corrosion and scale buildup, along with a magnesium anode that further protects the inner tank and maintains high heating efficiency over time. These components are designed for durability and minimal maintenance.



Image 6.1: An exploded view illustrating the excellent thermal insulation layers: CFC-free foam, thick steel base, dense layer, and golden porcelain layer, contributing to energy efficiency and durability.

6.2. Cleaning

Periodically wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.

6.3. Safety Valve Check

It is recommended to periodically check the safety valve as per local plumbing codes to ensure it is functioning correctly.

7. Troubleshooting

If you encounter any issues with your ThermoMate ES15DE water heater, please refer to the detailed PDF instruction manual for specific troubleshooting steps. Common issues may include:

- No hot water: Check power supply, circuit breaker, and temperature setting.
- Water not hot enough: Adjust temperature setting, check for proper installation.
- Leaks: Inspect connections and safety valve.

For complex problems or repairs, contact a qualified technician or ThermoMate customer support.

8. Specifications

Feature	Specification
Brand	ThermoMate
Model Number	ES15DE
Capacity	15 Liters
Power Source	Electric
Wattage	2000 Watts
Voltage	230 Volts (AC)
Maximum Temperature	75°C

Feature	Specification
Maximum Pressure	7.5 Bar
Product Dimensions (W x H)	32.7 cm x 36.8 cm
Item Weight	9 Kilograms
Material Type	Acrylonitrile Butadiene Styrene (ABS)
Special Features	Overheating Protection, Dry-Burn Protection
Plug Profile	Wall-mounted (standard 230V plug)
Energy Efficiency Class	A (ErP)
UPC	850066581964



Image 8.1: Detailed view of the water heater with its physical dimensions and key technical specifications such as power, voltage, and maximum water pressure.

9. Warranty and Support

For detailed warranty information, please refer to the terms and conditions provided at the time of purchase or contact ThermoMate customer support.
For further assistance, a comprehensive PDF instruction manual is available:

Download Official User Manual (PDF)

You can also visit the official ThermoMate store on Amazon for more product information and support:

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