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› ECOTOUCH ECO65 Electric Tankless Water Heater User Manual

ECOTOUCH ECO65

ECOTOUCH ECO65 Electric Tankless Water Heater User Manual

Model: ECO65

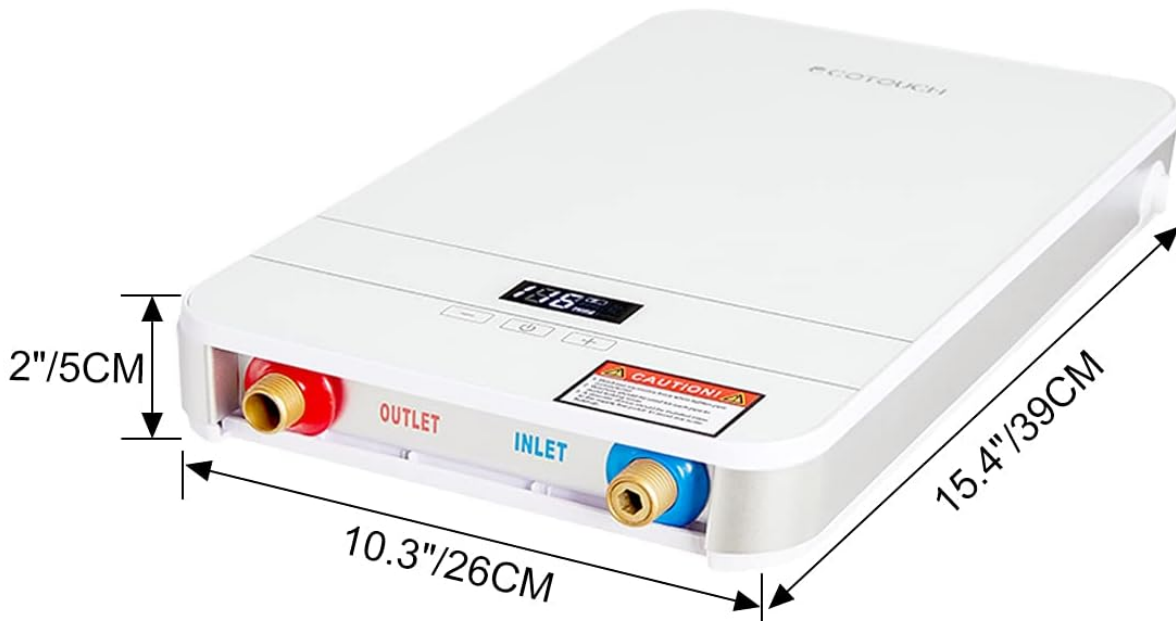
1. IMPORTANT SAFETY INFORMATION

Please read this manual thoroughly before installation and operation. Failure to follow these instructions could result in property damage, serious injury, or death. Keep this manual for future reference.

- This appliance must be installed by a qualified electrician and plumber in accordance with all local and national electrical and plumbing codes.
- Ensure the power supply is disconnected before performing any installation, maintenance, or service.
- Do not operate the water heater if it is damaged or malfunctioning.
- This unit is designed for indoor installation only.
- Grounding is mandatory for safe operation.

Sleek & Compact Design

Suitable for Multiple Occasions



Wash Vegetable



Wash Dishes



Bathroom



Hot Water Wash



Kitchen



Hair Salon

Figure 1.1: Multiple Protection for Your Safety. This image highlights the safety features of the ECOTOUCH ECO65 Electric Tankless Water Heater, including instant heating, stable temperature control, intelligent self-modulation, separated water and electricity lines to prevent leakage, high voltage protection, and ETL approval, ensuring a safe and reliable operation.

2. PRODUCT OVERVIEW

The ECOTOUCH ECO65 is a compact, electric tankless water heater designed to provide instant and endless hot water for point-of-use applications. Its smart self-modulation technology adjusts power input based on flow rate and temperature settings, ensuring optimal energy efficiency and a consistent hot water supply.



Figure 2.1: Front View of ECOTOUCH ECO65. This image displays the sleek white design of the ECOTOUCH ECO65 Electric Tankless Water Heater, featuring its digital display and touch control panel for easy temperature adjustment and monitoring.



ECO65 Installation Guide

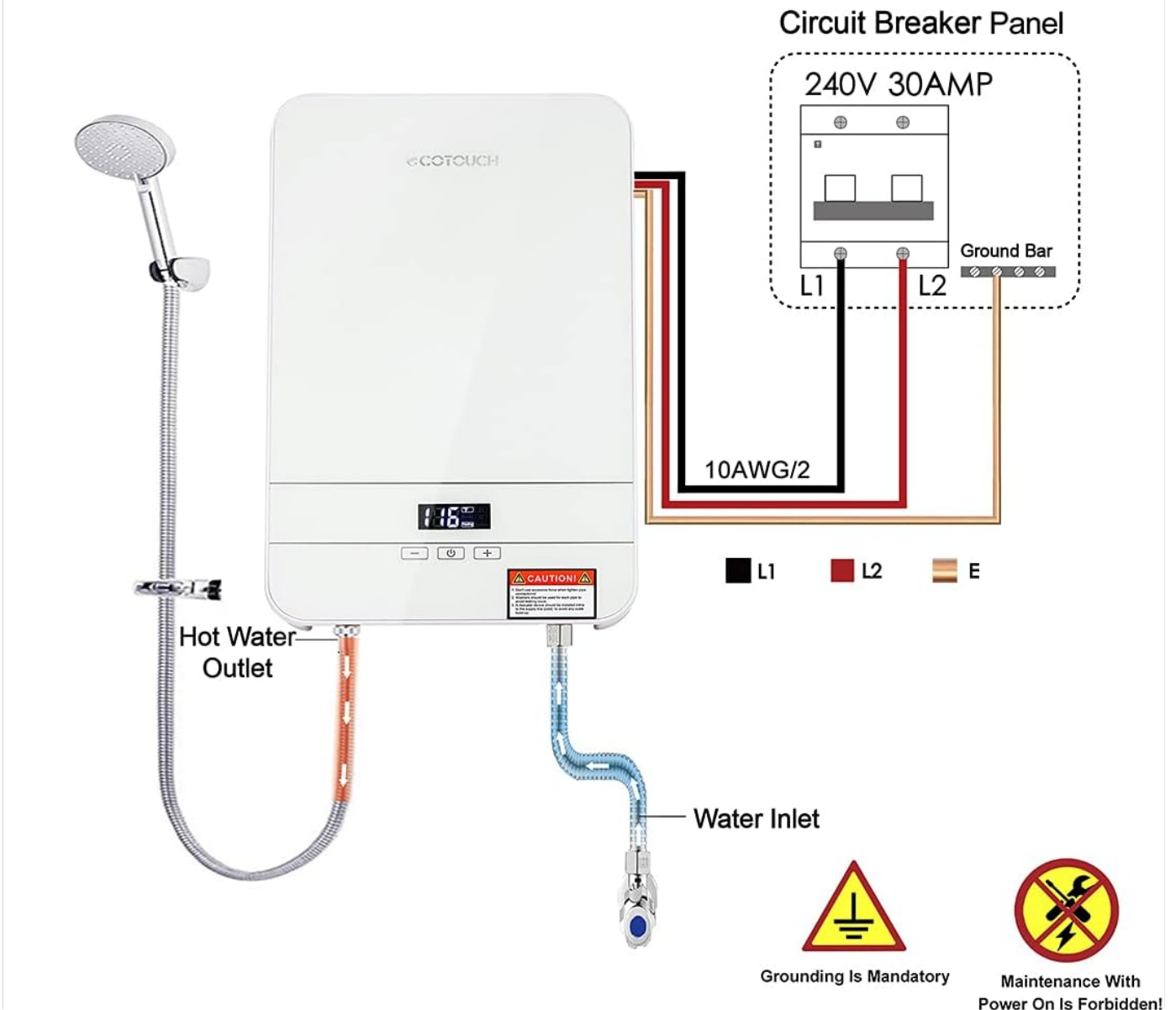


Figure 2.2: Sleek & Compact Design. This image illustrates the compact dimensions of the ECOTOUCH ECO65 (10.3"W x 15.4"H x 2"D) and its suitability for various applications such as washing vegetables, washing dishes, use in bathrooms, hot water washing, kitchens, and hair salons.

3. INSTALLATION GUIDE

Proper installation is crucial for the safe and efficient operation of your ECOTOUCH ECO65 water heater. Follow these steps carefully.

3.1 Package Contents

Before beginning installation, verify that all components are present in the package:



Package Contents



Figure 3.1: Package Contents. This image shows the complete package contents for the ECOTOUCH ECO65 Electric Tankless Water Heater, including the main unit, instruction manual, mounting brackets, screws, and the pre-attached power cable.

3.2 Location Requirements

- Install the unit indoors, away from freezing temperatures.
- Choose a location close to the point of use to minimize heat loss and maximize efficiency.
- Ensure adequate space around the unit for ventilation and maintenance.

3.3 Electrical Requirements

The ECOTOUCH ECO65 requires a dedicated 240V electrical circuit. Refer to the specifications section for detailed electrical requirements.

Multiple Protection for Your Safety



Figure 3.2: ECO65 Installation Guide. This diagram provides a clear visual guide for installing the ECOTOUCH ECO65 Electric Tankless Water Heater, detailing the electrical connections to a 240V 30AMP circuit breaker panel (L1, L2, Ground Bar) using 10AWG/2 wiring, and the plumbing connections for water inlet and hot water outlet. It also emphasizes mandatory grounding and warns against maintenance with power on.

3.4 Plumbing Requirements

- The unit uses 1/2" NPT plumbing connections.
- Install shut-off valves on both the inlet and outlet lines for easy maintenance.
- Flush the water lines thoroughly before connecting to the unit to remove any debris.

Simple and straight installation

Standard Pipe Fitting

1/2" NPT Connection with Gaskets



Premium Power Cable

UL Power Cable, Fixed to the Unit

360° Installation

Fully Functional and Suitable for All Applications



Figure 3.3: Simple and Straight Installation. This image details the key components for installation, including the 1/2" NPT standard pipe fitting with gaskets, the premium UL power cable fixed to the unit, and highlights the 360-degree installation flexibility suitable for all applications.

4. OPERATING INSTRUCTIONS

The ECOTOUCH ECO65 is designed for user-friendly operation with its digital display and touch control panel.

4.1 Initial Startup

1. Ensure all plumbing connections are secure and leak-free.
2. Open the hot water faucet at the point of use to allow water to flow through the unit and purge any air from the system.
3. Once water flows steadily, close the faucet.
4. Turn on the electrical power to the unit at the circuit breaker.

5. The unit's display will illuminate.

4.2 Setting Temperature

Use the touch control panel to adjust the desired water temperature. The digital display will show the current temperature setting.



Figure 4.1: Smart Control and Easy to Operate. This image illustrates the digital display and touch control panel of the ECOTOUCH ECO65, showing temperature settings and a graph demonstrating the stable water temperature output achieved by the unit's smart modulation.

4.3 Smart Self-Modulation

The ECO65 features smart self-modulation, which automatically adjusts the power consumption based on the incoming water temperature and flow rate. This ensures a consistent output temperature and optimizes energy efficiency.

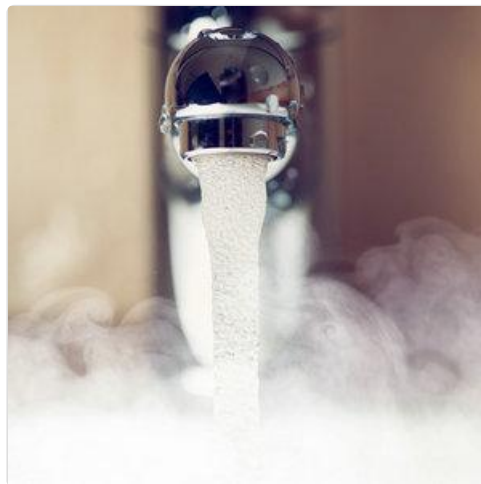


Figure 4.2: Instant Hot Water. This image captures hot water flowing from a faucet, visually representing the instant hot water delivery capability of the ECOTOUCH ECO65 Electric Tankless Water Heater.



Figure 4.3: Washing Vegetables. This image shows hands washing fruits under running water, demonstrating the practical application of the ECOTOUCH ECO65 for everyday tasks like washing produce with readily available hot water.

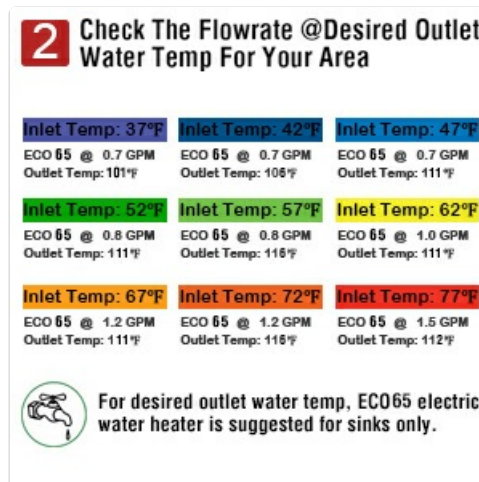


Figure 4.4: Under-Sink Installation. This image illustrates the compact ECOTOUCH ECO65 Electric Tankless Water Heater installed neatly under a kitchen sink, highlighting its suitability for point-of-use applications and space-saving design.

5. MAINTENANCE

Regular maintenance ensures the longevity and optimal performance of your ECOTOUCH ECO65 water heater.

5.1 General Cleaning

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

5.2 Descaling

Depending on your water quality, mineral deposits may accumulate over time. If you notice a decrease in hot water flow or temperature consistency, descaling may be necessary. Consult a qualified plumber for descaling procedures.

5.3 Safety Checks

- Periodically inspect all water connections for leaks.
- Ensure the electrical connections are secure and free from corrosion.

6. TROUBLESHOOTING

This section provides solutions to common issues you might encounter with your ECOTOUCH ECO65 water heater.

Problem	Possible Cause	Solution
No hot water	No power; Water supply off; Unit malfunction	Check circuit breaker; Ensure water supply is open; Contact support if unit is malfunctioning.
Lukewarm water	Inlet water temperature too low; Flow rate too high; Incorrect temperature setting	Refer to flow rate chart for your region; Reduce flow rate; Increase temperature setting.
Error code on display	Internal fault; Sensor issue	Turn off power at breaker for 5 minutes, then restore. If error persists, contact support.
Water leakage	Loose connections; Damaged pipes/fittings	Tighten connections; Inspect pipes and fittings for damage and replace if necessary.

7. SPECIFICATIONS

Detailed technical specifications for the ECOTOUCH ECO65 Electric Tankless Water Heater.

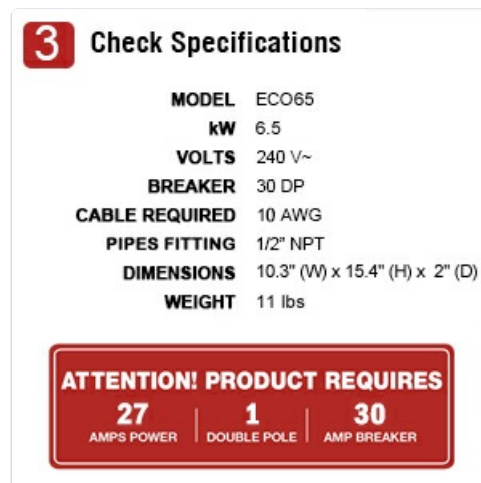


Figure 7.1: Check Specifications. This image provides a detailed specifications table for the ECOTOUCH ECO65, including its model number, power (6.5 kW), voltage (240V), required breaker (30 DP), cable (10 AWG), pipe fitting (1/2" NPT), dimensions (10.3"W x 15.4"H x 2"D), and weight (11 lbs). It also highlights the power requirements: 27 Amps, 1 Double Pole, 30 Amp Breaker.

- **Model:** ECO65
- **Power:** 6.5 kW
- **Voltage:** 240 Volts
- **Breaker Required:** 30 Amp Double Pole
- **Cable Required:** 10 AWG
- **Pipes Fitting:** 1/2" NPT
- **Dimensions (W x H x D):** 10.3" x 15.4" x 2"
- **Item Weight:** 8.45 pounds
- **Efficiency:** 99.8%
- **Maximum Flow Rate:** 1 Gallon Per Minute
- **Maximum Temperature:** 110°F (43°C)
- **Certification:** ETL

7.1 Flow Rate and Temperature Performance

The performance of the tankless water heater is dependent on the incoming water temperature and desired output

temperature. Refer to the charts below to determine suitability for your region and application.

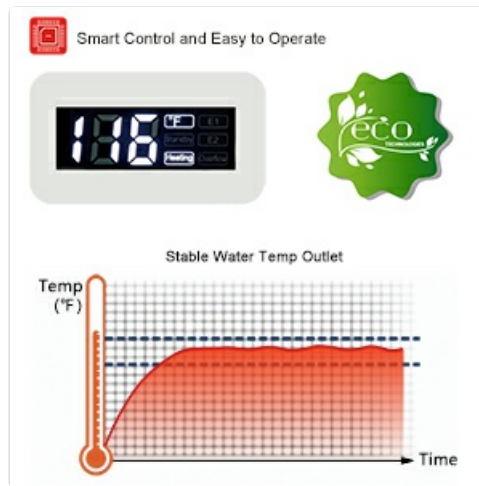


Figure 7.2: Find Your Location and Note The Color Block. This map of the USA illustrates various inlet water temperature zones, color-coded to help users identify the typical ground water temperature in their region, which is crucial for determining the water heater's performance.



Figure 7.3: Check The Flowrate @Desired Outlet Water Temp For Your Area. This chart provides a guide for the ECOTOUCH ECO65, showing the achievable outlet temperatures at specific flow rates (GPM) based on different inlet water temperatures. It indicates that for desired outlet water temperature, the ECO65 electric water heater is suggested for sinks only.

8. WARRANTY AND SUPPORT

For warranty information, please refer to the warranty card included with your product or visit the official ECOTOUCH website. Warranty terms and conditions may vary.

For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact ECOTOUCH customer service. Contact details are typically available on the manufacturer's website or the product packaging.