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› ECOTOUCH 5.5KW Tankless Electric Water Heater User Manual

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ECOTOUCH 5.5KW Tankless Electric Water Heater User Manual

Model: ECOTOUCH 5.5KW | Brand: ECOTOUCH

PRODUCT OVERVIEW

The ECOTOUCH 5.5KW Tankless Electric Water Heater is designed to provide instant, consistent, and endless hot water for various point-of-use applications. Its compact and sleek design allows for flexible installation, while advanced features ensure energy efficiency and user convenience.

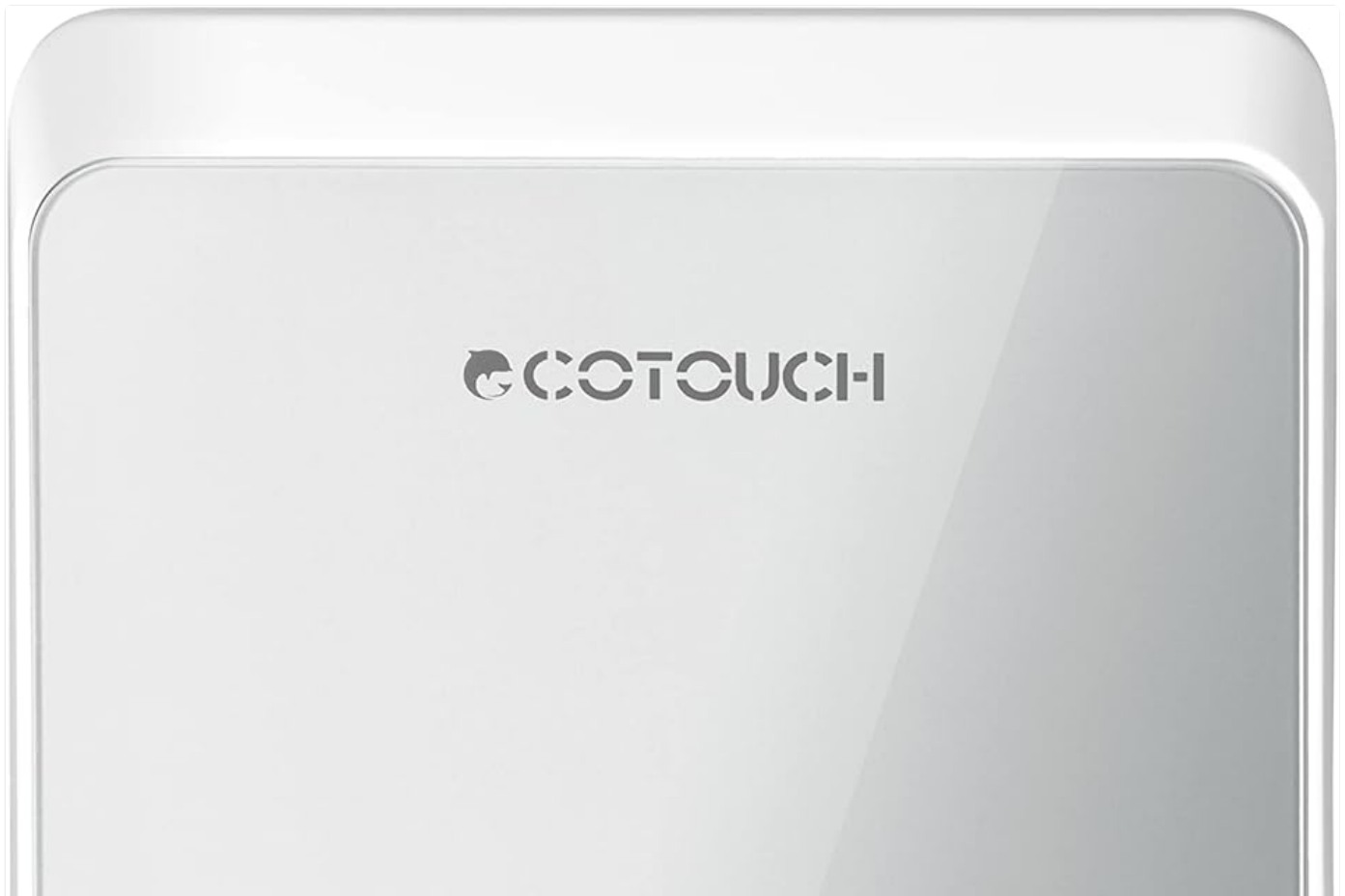




Figure 1: Front view of the ECOTOUCH 5.5KW Tankless Electric Water Heater.

SAFETY INFORMATION

This appliance incorporates multiple protection devices to ensure safe operation. It is approved by ETL and qualifies for UL standards. Proper installation by a qualified professional is crucial for safe and efficient use.

- Water and electricity lines are designed to run separately to prevent leakage and scale buildup.
- Features include overheating protection and sensitive leakage protection.
- Dry heating prevention and high voltage protection are integrated.



Protection for Your Safety



Instant Heating



Stable Temperature



Intelligent
Self-modulating



Water And Electricity
Separated



Sensitive Leakage
Protection



Over Temperature
Protection



Dry Heating Prevention



High Voltage
Protection



ETL Approval

Figure 2: Overview of integrated safety and performance features.

PRODUCT FEATURES

- **Instant & Sufficient Hot Water:** Equipped with a 5.5KW heating system, this unit provides instant, consistent, and endless hot water at 116°F or higher, eliminating preheat waiting times and temperature fluctuations. Ideal for sink applications.
- **Smart Self-Adjustment:** The ECO55 electric hot water heater dynamically adjusts power input based on real-time flow rate and temperature settings. This ensures a consistent and comfortable water temperature, preventing scalding and optimizing energy efficiency up to 98%.
- **Convenient Use:** Features a digital display and touch control panel for easy temperature setting and monitoring of the unit's operational status. Simply turn on the tap to enjoy instant hot water.
- **Safe and Durable:** Built with multiple updated protection devices and rigorously tested for safety. Internal water and electricity lines are separated to prevent leakage and scale buildup. ETL and UL approved for long-term performance.
- **Point of Use Design:** Compact dimensions (11" x 7.5" x 2.35") allow for installation close to the outlet, minimizing energy waste. Suitable for horizontal, vertical, or oblique mounting in kitchens, bars, schools, hospitals, and hair salons.

Instant & Endless Hot Water

1 gallon/ minute on your demand
works off 220V~240V only



Figure 3: The water heater providing instant hot water in a typical installation setting.



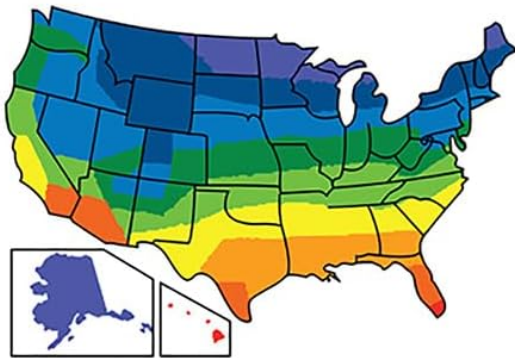
Figure 4: Smart control ensures a consistent and comfortable water temperature.

SPECIFICATIONS

Attribute	Value
Model	ECOTOUCH 5.5KW
Brand	ECOTOUCH
Wattage	5.5 KW
Voltage	240 Volts
Maximum Temperature	116 Degrees Fahrenheit
Heat Output	5500 Watts
Efficiency	98%
Product Dimensions	11"H x 7.5"W x 2.35"D
Pipes Fittings	1/2" NPT
Required Breaker	30 AMP Double Pole
Required Cable	10AWG/2 with Grounding
Item Weight	6.49 pounds
Certification	ETL, UL

1 Find Your Location On The Map

Figure out your average inlet water temperature, this determines if you can get hot water of desired temp from the hot water heater. Outlet water temp equals inlet water temp plus temp raise (by the hot water heater).



2 Check Your Flowrate @Desired Outlet Water Temp For Your Area.

Check the chart to figure out the flow rate suggested for your area and the corresponding outlet water temp to see if it meets your need.

Inlet Temp: 37°F ECO55 @ 0.7 GPM Outlet Temp: 99°F	Inlet Temp: 42°F ECO55 @ 0.7 GPM Outlet Temp: 104°F	Inlet Temp: 47°F ECO55 @ 0.7 GPM Outlet Temp: 109°F
Inlet Temp: 52°F ECO55 @ 0.8 GPM Outlet Temp: 109°F	Inlet Temp: 57°F ECO55 @ 0.8 GPM Outlet Temp: 114°F	Inlet Temp: 62°F ECO55 @ 1.0 GPM Outlet Temp: 109°F
Inlet Temp: 67°F ECO55 @ 1.2 GPM Outlet Temp: 109°F	Inlet Temp: 72°F ECO55 @ 1.2 GPM Outlet Temp: 114°F	Inlet Temp: 77°F ECO55 @ 1.5 GPM Outlet Temp: 110°F



ECO55 electric tankless water heater gets sufficient water flow for a single sink, For desired outlet water temp,ECO55 electric water heater issuggested for sinks only.

3 Check Specifications

Determining specs and electrical infrastructure is important because without the correct infrastructure your unit may not fit onto your breaker panel. we would like to remind you of reading the user manual prior installation and using for the first time.

ATTENTION! PRODUCT REQUIRES

23 AMPS POWER	1 DOUBLE POLE	30 AMP BREAKER
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Model	ECO55
kW	5.5
Volts	240V~
Breaker	30AMP
Cable Required	10AWG/2 with Grounding
Pipes Fitting	1/2" NPT
Dimensions	11"Hx7.5"Wx2.35"D
Weight	6lbs

Figure 5: Flow rate and temperature performance chart, and detailed electrical specifications.

INSTALLATION

Installation should be performed by a qualified electrician and plumber in accordance with local and national electrical and plumbing codes. Ensure the power supply is disconnected before beginning installation.

- Location Selection:** Choose a location close to the point of use to maximize efficiency. The unit can be mounted horizontally, vertically, or obliquely. Ensure adequate space for connections and maintenance.
- Electrical Requirements:** This unit requires a 240V electrical supply with a dedicated 30 AMP double pole breaker and 10AWG/2 wire with grounding. Verify your electrical panel can support these requirements.
- Plumbing Connections:** The unit features 1/2" NPT pipe fittings. Connect the cold water inlet to the designated inlet port and the hot water outlet to the outlet port. Ensure all connections are secure and leak-free.
- Mounting:** Securely mount the unit to a stable wall surface using appropriate hardware.

Sleek & Compact Design

Fire Retardant Case & Tempered Glass

LED Display(+/-1 degree accuracy)



Hair salon



Kitchen



Office



Bar



RV



Coordinates with Scenes Decor

Figure 6: Compact design and versatile installation options.

Standard Pipe Fitting

1/2" NPT Connection with Gaskets



Premium Power Cable

10AWG UL Power Cable Fixed to the Unit

360° Installation

Fully Functional and Suitable for All Applications



Figure 7: Connection details and installation flexibility.

Energy Efficiency & Comfortable Temp

Smart Power Calculation
Self-Modulating

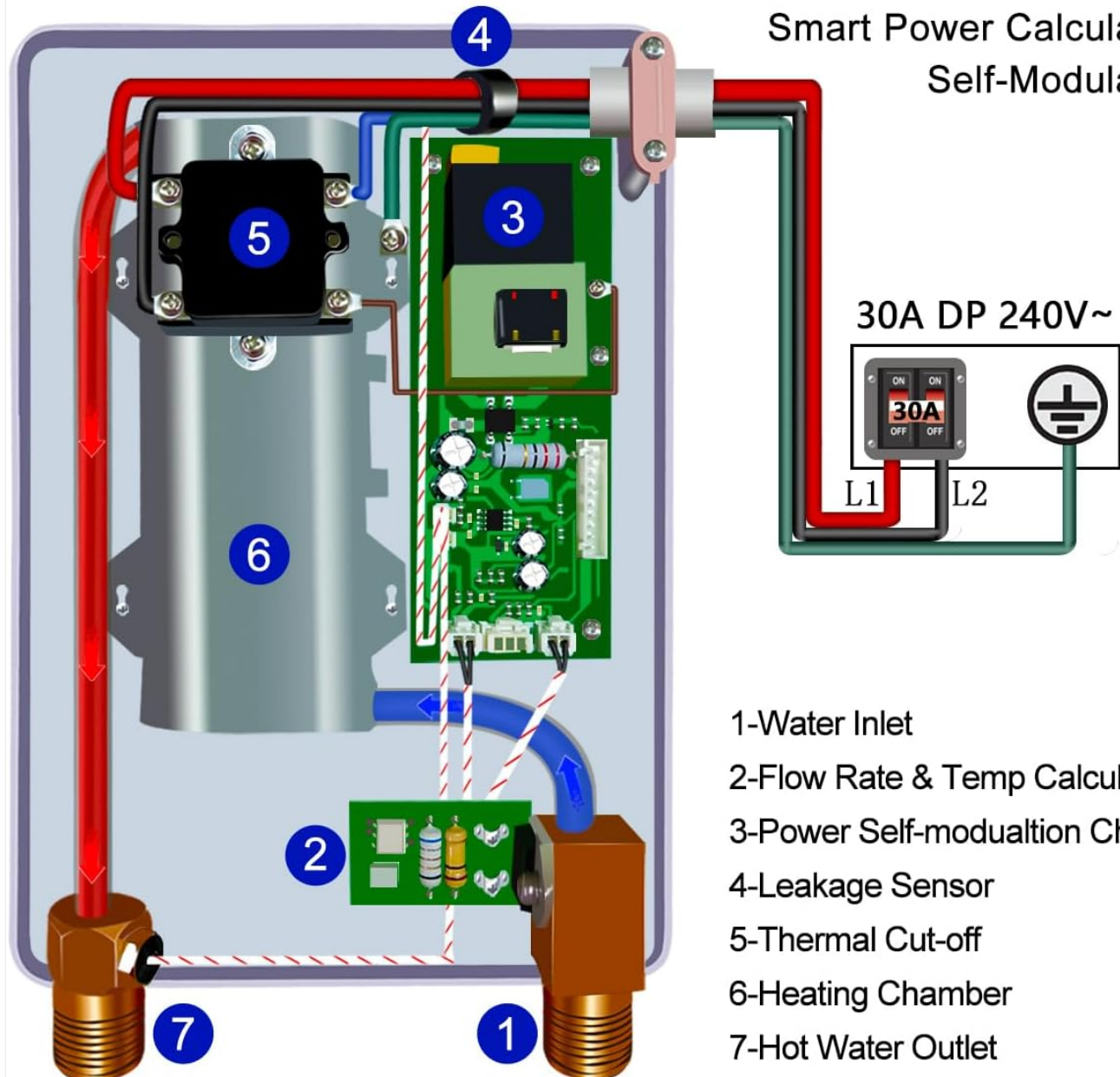


Figure 8: Internal components and electrical connection diagram.

OPERATION

Once installed and connected, operating the ECOTOUCH water heater is straightforward:

1. **Power On:** Ensure the electrical breaker supplying the unit is in the ON position. The digital display will illuminate.
2. **Set Temperature:** Use the touch control panel (UP/DOWN buttons) to adjust the desired water temperature. The display will show the set temperature.
3. **Water Flow:** Open the hot water tap at your sink. The unit will automatically detect water flow and begin heating the water to the set temperature. The display will show the actual outlet temperature.
4. **Smart Adjustment:** The unit's smart self-modulation technology will continuously adjust power to maintain the desired temperature, even with varying flow rates.



Figure 9: The water heater provides hot water for daily tasks like washing dishes.



Figure 10: Enjoy continuous hot water for handwashing and other needs.

MAINTENANCE

Regular maintenance helps ensure the longevity and optimal performance of your ECOTOUCH water heater. Always disconnect power to the unit before performing any maintenance.

- **Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Scale Prevention:** In areas with hard water, periodic descaling may be necessary to prevent mineral buildup in the heating chamber. Consult a qualified professional for descaling procedures.
- **Inspect Connections:** Periodically check water and electrical connections for any signs of leaks or wear.

TROUBLESHOOTING

If you experience issues with your water heater, refer to the following common troubleshooting steps. For complex problems, contact customer support.

Problem	Possible Cause	Solution
No hot water / Unit not turning on	No power, low water pressure, unit in standby mode.	Check breaker, ensure adequate water flow, verify unit is not in standby.
Water not hot enough	Inlet water temperature too low, flow rate too high, incorrect temperature setting.	Adjust temperature setting, reduce water flow, refer to flow rate chart in Specifications.

Error code on display	Internal fault or sensor issue.	Note the error code and contact customer support for assistance.
Water leakage	Loose connections, damaged pipes, internal component failure.	Immediately turn off water supply and power. Inspect connections. Contact a professional if leak persists.

WARRANTY AND SUPPORT

ECOTOUCH products are designed for reliability and performance. For warranty information, technical support, or service inquiries, please refer to the contact details provided with your product packaging or visit the official ECOTOUCH website. You can also visit the [ECOTOUCH Store on Amazon](#) for more information and product updates.