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› WINTEMP 8kW 240V Tankless Electric Water Heater (Model WN08) Instruction Manual

## WINTEMP WN08

# WINTEMP 8kW 240V Tankless Electric Water Heater (Model WN08) Instruction Manual

Your guide to safe and efficient operation.

## INTRODUCTION

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This manual provides essential information for the installation, operation, and maintenance of your WINTEMP WN08 8kW 240V Tankless Electric Water Heater. Please read all instructions carefully before installation and use to ensure proper function and safety.



*Image: Front view of the WINTEMP WN08 8kW 240V Tankless Electric Water Heater, showing its sleek gray design and digital display.*

## SAFETY INFORMATION

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Your safety is paramount. This appliance incorporates multiple safety features. Adhere to all warnings and instructions to prevent electric shock, fire, or injury.

- **Professional Installation:** Installation must be performed by a qualified electrician and plumber in accordance with all local and national electrical and plumbing codes.
- **Electrical Requirements:** Ensure your electrical system meets the specified requirements (8kW - 240 Volts, 33A max, 1 x 40 Amp DP breaker, 8# AWG wiring with ground). Incorrect wiring can lead to serious hazards.
- **Water Connection:** The unit requires a 1/2" NPT water connection. Ensure all connections are secure and leak-free.
- **Leakage Protection:** The unit is equipped with leakage protection. If a leak is detected, the unit may shut off.
- **Overheat Protection:** Built-in overheat protection prevents the water from reaching dangerously high temperatures.
- **Dry-Fire Protection:** This feature prevents the heating elements from activating without water flow, protecting the unit from damage.
- **Child Safety Lock:** The unit includes a child safety lock feature to prevent accidental adjustments or scalding.



*Image: Icons illustrating the safety features of the WINTEMP water heater, including high temperature protection, dry heating protection, electric leakage protection, corrosion-proof parts, WiFi control, and child safety lock.*

## INSTALLATION AND SETUP

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Proper installation is crucial for the performance and safety of your tankless water heater. It is strongly recommended that a licensed professional perform the installation.

### 1. Pre-Installation Checklist

- Verify electrical requirements: 8kW - 240 Volts, 33A maximum amperage.
- Ensure your electrical panel has space for 1 x 40 Amp Double Pole (DP) breaker.
- Confirm 8# AWG wiring with ground is available.
- Check water connection type: 1/2" NPT.
- Unit dimensions: 9.7" (W) x 14" (H) x 3.4" (D). Ensure adequate space for mounting.

### 2. Mounting the Unit

The WN08 features a compact, wall-mounted design. Select a suitable location that is protected from freezing

temperatures and allows for easy access to water and electrical connections.



**SAFETY IS GUARANTEED**

- High Temperature Protection
- Dry Heating Protection
- Electric Leakage Protection
- Corrosion Proof Parts
- WIFI Control
- Child Safety Lock

*Image: Diagram showing the dimensions of the WINTEMP WN08 tankless water heater: 9.7 inches wide, 14 inches high, and 3.4 inches deep.*

### 3. Electrical Connections

Refer to the diagram below for proper electrical wiring. This unit requires a dedicated circuit.

# ENDLESS ON-DEMAND HOT WATER

24-Hour Provide Hot Water



Endless Hot Water



Safe to Use



Save Energy



Saves Money



Image: Detailed electrical wiring diagram for the WINTEMP WN08, showing connections to a 240V circuit breaker with 40A double pole breakers and 10# AWG wire. Note: Product feature bullets state 8# AWG, while this image states 10# AWG. Always follow the most stringent requirement or consult a professional.

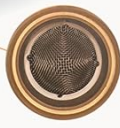
**Important: The product specifications state 8# AWG wiring, while the diagram shows 10# AWG. Always consult a qualified electrician to ensure compliance with local codes and the correct wire gauge for your specific installation to prevent overheating and electrical hazards.**

## 4. Water Connections

Connect the cold water inlet and hot water outlet to the corresponding plumbing lines. Ensure all connections are watertight.



Strengthen the fixed screw position

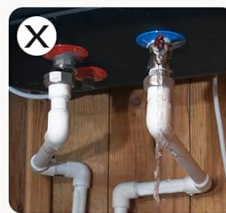


Inlet filter screen design

Material is brass, corrosion resistance, high temperature, high pressure

## Tough quality and detail

Protection Against Water Leakage



Other



Ours

Image: Close-up of the brass water inlet and outlet connections at the bottom of the WINTEMP water heater, highlighting the inlet filter screen design.

## OPERATING INSTRUCTIONS

The WINTEMP WN08 is designed for user-friendly operation with an LED temperature display and self-modulating technology.

### 1. Powering On/Off

Press the power button on the unit's display to turn the water heater on or off. The LED display will illuminate when the unit is active.

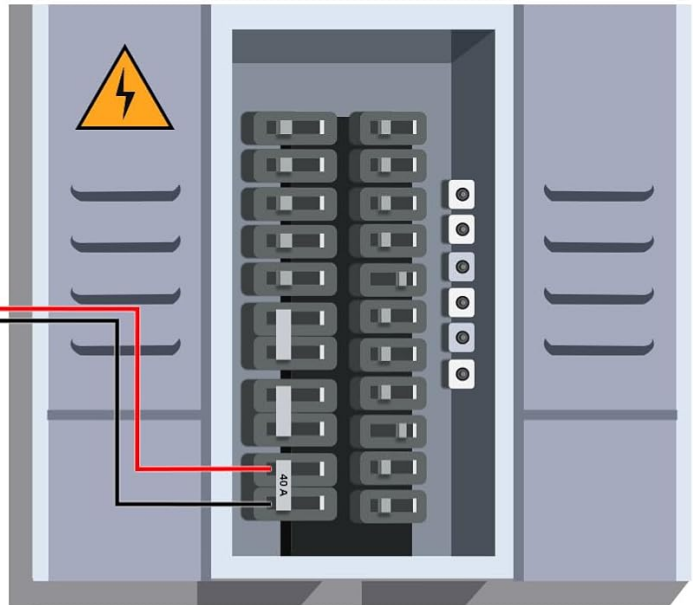
## 2. Temperature Adjustment

Use the '+' and '-' buttons on the display to adjust the desired water temperature. The unit will heat water up to a maximum of 140°F (60°C).

# ELECTRICAL REQUIREMENTS

WN-08

8 kW | 240 Volts



Required Wire:  
10# AWG

Professional installation recommended. Consult an electrician prior to purchase.

- ▶ 33 Amp Max Draw
- ▶ 1 x 40 Amp Double Pole Breakers Required

In order to install a WN-08 you must have enough room in your breaker panel to dedicate one 40Amp double pole breaker solely to the unit.

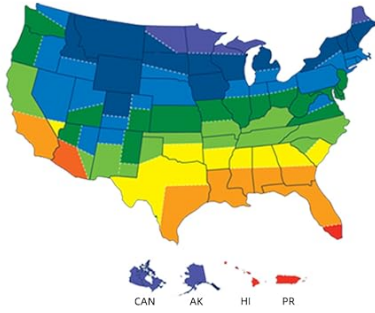
*Image: Close-up of the WINTEMP WN08's digital LED display, showing a temperature reading and control buttons for adjustment, Wi-Fi indicator, and power.*

## 3. Self-Modulating Technology

The heater automatically adjusts its energy consumption based on the incoming water temperature and flow rate. This ensures a stable output temperature and optimizes power usage, providing continuous hot water without preheating.

- Maximum hot water output: 1.9 gallons per minute (GPM).
- Energy efficiency: Up to 99% energy savings due to on-demand heating.

# GROUND WATER TEMPERATURE MAP



## 1 Find your location in the map and note the color block

Determining your average inlet water temperature is important, this allows you to determine how well your unit will perform in your location. A lower inlet water temperature will require a higher kilowatt product. Please locate your state and associated inlet temperature.

## 2 Find the unit for your region with your desired capacity

Next you will determine how many applications your unit can run simultaneously at your chosen location inlet water temperature. Tankless electric water heaters are sized for maximum simultaneous use, not maximum fixtures in your home. Locate your region's inlet temperature capacity rating.

### SIZING CHART

KW:8KW	Inlet Temp.	GPM	Approx Usage
	37°F	0.8	
	42°F	0.8	
	47°F	0.9	
	52°F	1.0	
	57°F	1.1	
	62°F	1.2	
	67°F	1.4	
	72°F	1.6	
	77°F	1.9	

## 3 Check Specifications

Determining specifications and electrical infrastructure is important because without the correct infrastructure your unit may not fit into your breaker panel.

Voltage	PRODUCT	PRODUCT
240V	33A	40A
POWER	MAX DRAW	DP BREAKER

### APPLICATION KEY

Symbol				
Description	Low Flow Faucet	Bathroom Faucet	Kitchen Faucet	Shower
GPM	0.5	1	1.5	2
Range	0.5-0.9	0.5-1.3	1.0-2.2	1.5-2.5

The flow rate for each symbol is represented in the GPM (gallons-per-minute) column of the Application Key. The Range column indicates variations in GPM for faucets and showers based on manufacturer and style.

*Image: The WINTEMP tankless water heater installed above a kitchen sink, demonstrating its compact size and integration into a modern kitchen environment.*

## 4. Child Safety Lock

Activate the child safety lock to prevent unauthorized temperature changes. Refer to the specific instructions provided with your unit for activating and deactivating this feature.

# Child Safety Lock

Prevent children from pressing indiscriminately to avoid scalding.



*Image: A child reaching towards the WINTEMP water heater display, illustrating the importance of the child safety lock feature to prevent accidental scalding.*

## MAINTENANCE

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The WINTEMP WN08 tankless water heater is designed for minimal maintenance.

- **Filter Cleaning:** Periodically check and clean the inlet filter screen to ensure optimal water flow and prevent sediment buildup.
- **No Scaling:** Unlike traditional tank water heaters, tankless units generally do not require descaling or flushing as they do not store water.
- **External Cleaning:** Clean the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Professional Inspection:** It is recommended to have a qualified professional inspect the unit annually to ensure continued safe and efficient operation.

## TROUBLESHOOTING

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

Problem	Possible Cause	Solution
No hot water or insufficient hot water	<ul style="list-style-type: none"> <li>◦ Power supply interrupted</li> <li>◦ Water flow too low</li> <li>◦ Inlet filter clogged</li> <li>◦ Temperature setting too low</li> <li>◦ Unit capacity exceeded (too many fixtures running simultaneously)</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check circuit breaker.</li> <li>◦ Ensure adequate water flow (minimum activation flow rate).</li> <li>◦ Clean inlet filter.</li> <li>◦ Increase temperature setting.</li> <li>◦ Reduce simultaneous hot water usage.</li> </ul>
Water temperature fluctuates	<ul style="list-style-type: none"> <li>◦ Inconsistent water pressure</li> <li>◦ Unit capacity exceeded</li> <li>◦ Incoming water temperature changes rapidly</li> </ul>	<ul style="list-style-type: none"> <li>◦ Check household water pressure.</li> <li>◦ Reduce simultaneous hot water usage.</li> <li>◦ Allow unit to stabilize.</li> </ul>
Unit displays an error code	Internal fault or specific issue (e.g., overheat, leakage)	Note the error code and consult the full user manual or contact WINTEMP customer support. Power cycling the unit may resolve temporary errors.

## SPECIFICATIONS (MODEL WN08)

Feature	Detail
Brand	WINTEMP
Model Number	WN08
Wattage	8 kW
Voltage	240 Volts
Maximum Amperage	33A
Required Breaker	1 x 40 Amp Double Pole
Required Wiring	8# AWG with ground
Product Dimensions (W x H x D)	9.7" x 14" x 3.4"
Water Connection	1/2" NPT
Maximum Flow Rate	1.9 Gallons Per Minute (GPM)
Maximum Temperature	140 Degrees Fahrenheit (60°C)
Mounting Type	Wall
Special Feature	Fire-retardant ABS casing

Feature	Detail
Item Weight	8.4 pounds
Certifications	ETL Certified



*Image: A ground water temperature map of the United States, used to determine the appropriate tankless water heater size based on regional inlet water temperatures and desired flow rates for various fixtures.*

## WARRANTY AND SUPPORT

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WINTEMP stands behind the quality of its products.

- **Warranty:** The WINTEMP WN08 tankless water heater comes with a 2-year return and exchange warranty.
- **Technical Support:** Long-term professional technical support is available to assist with any questions or issues you may encounter.
- For warranty claims or technical assistance, please refer to the contact information provided in the packaging or on the official WINTEMP website.

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This manual is for informational purposes only. Specifications are subject to change without notice.