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› ALongDeng RYJ-002 5500W Electric Tankless Water Heater User Manual

ALongDeng RYJ-002

ALongDeng RYJ-002 5500W Electric Tankless Water Heater User Manual

Model: RYJ-002 | Brand: ALongDeng

1. INTRODUCTION

Thank you for choosing the ALongDeng RYJ-002 5500W Electric Tankless Water Heater. This appliance is designed to provide instant hot water for various domestic applications, including showers, kitchen sinks, and general washing needs. Featuring a powerful 5500W heating system, LED display for temperature control, and an IPX4 waterproof rating, this unit offers convenience and efficiency. Please read this manual thoroughly before installation and operation to ensure safe and optimal performance.

2. SAFETY INFORMATION

Important Safety Instructions:

- Read all instructions before using this water heater.
- This appliance must be properly grounded. Consult a qualified electrician if you are unsure.
- Do not operate the water heater if it has a damaged cord or plug, or if it is not working properly.
- Do not install the unit in areas where it may be exposed to freezing temperatures.
- Ensure the water pressure is within the specified range (0.05-0.6MPa) before operation.
- The unit features IPX4 waterproofing, making it suitable for bathroom and kitchen environments. However, avoid direct water spray onto electrical connections.
- Equipped with advanced safety features: dry burn protection, leakage protection, and overheating protection.
- Always disconnect power before performing any maintenance or repairs.

3. PACKAGE CONTENTS

Verify that all items listed below are present in your package:

- Product Main Unit (Water Heater)
- Instruction Manual
- Simple Tee Connector
- 50cm Inlet Hose
- Water Flow Regulator
- Electricity Isolation Wall
- Pressure Boosting Showerhead
- No-Drilling Shower Bracket
- Outlet Shower Hose
- No-Drilling Installation Kit for Machine

Packing list



**Product
Main Unit**



**Instruction
Manual**



Simple Tee



**50cm Inlet
Hose**



**Water Flow
Regulator**



**Electricity
Isolation Wall**



**Pressure Boosting
Showerhead**



**No-Drilling
Shower Bracket**



**Outlet
Shower Hose**



**No-Drilling Installation
Kit for Machine**

Figure 3.1: All components included in the package, such as the main unit, hoses, showerhead, and installation accessories.

4. SPECIFICATIONS

Feature	Specification
Model	RYJ-002
Brand	ALongDeng
Power	5500W
Material	Stainless Steel (heating element)
Color	White/Black
Waterproof Rating	IPX4
Temperature Range	30°C to 55°C (Adjustable)
Special Features	LED Display, Touch Control, Instant Heating
Product Dimensions (L x W x H)	20 cm x 20 cm x 29 cm
Product Weight	1.73 kg
Minimum Water Pressure	0.05 MPa
Maximum Water Pressure	0.6 MPa

Product size



Figure 4.1: Product dimensions of the ALongDeng RYJ-002 water heater.

5. INSTALLATION & SETUP

5.1 Pre-Installation Checklist:

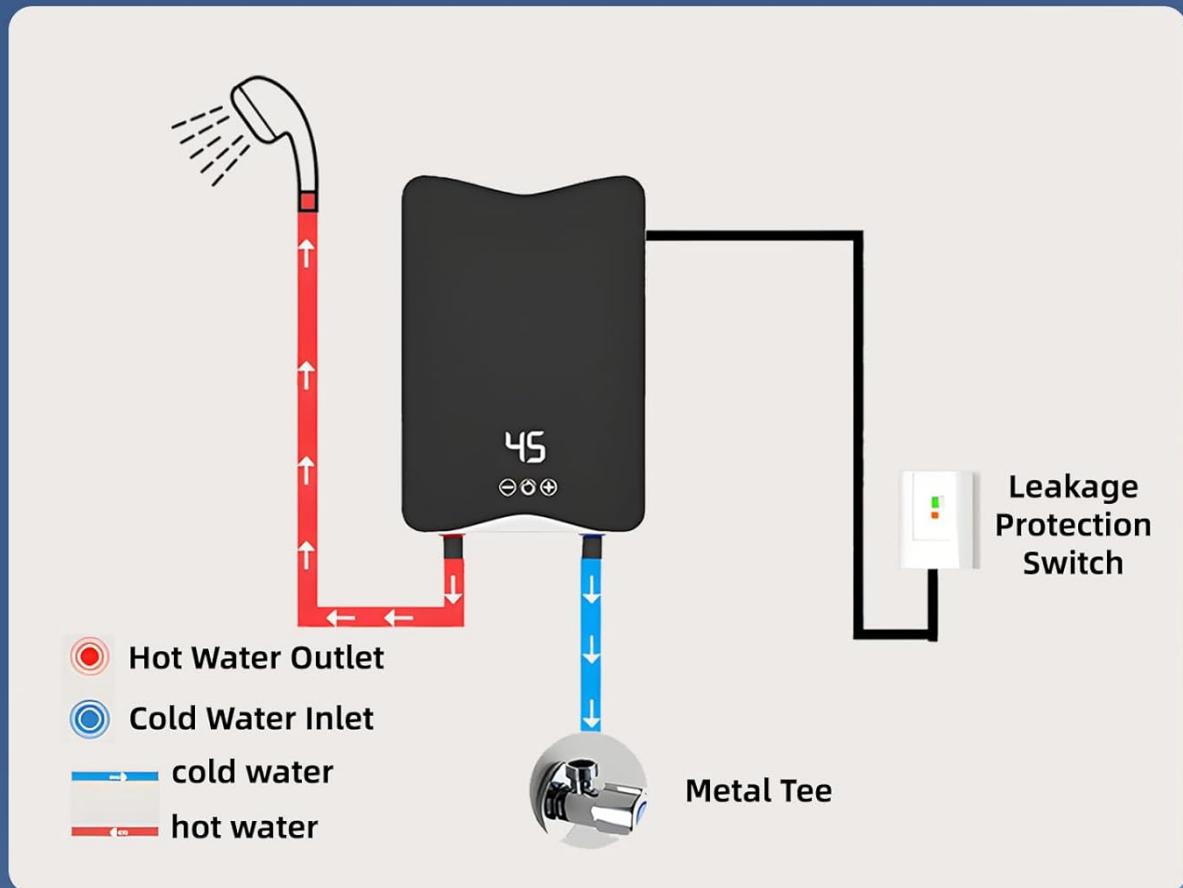
- Ensure the installation location has appropriate electrical wiring and water supply.
- Verify that the water pressure at the installation point is between 0.05-0.6MPa.

- Install the unit in an indoor environment where the ambient temperature is above 0°C.
- All pipelines should be arranged centrally.
- The hot water outlet should not be too far from the main hot water usage point to minimize heat loss.

5.2 Installation Steps:

1. **Mounting the Unit:** Choose a suitable wall location. Use the provided No-Drilling Installation Kit or appropriate hardware to securely mount the main unit.
2. **Water Connections:** Connect the cold water inlet (blue port) to your cold water supply using the 50cm inlet hose and simple tee connector. Connect the hot water outlet (red port) to your desired hot water fixture (e.g., showerhead or faucet) using the outlet shower hose. Ensure all connections are tight to prevent leaks.
3. **Electrical Connection:** Install the leakage protection switch as per local electrical codes. Connect the water heater's power cord to the leakage protection switch, and then to a dedicated electrical circuit. Ensure the power switch is installed in a cabinet or area not exposed to dripping water.
4. **Water Flow Regulator:** Install the water flow regulator as needed to optimize water pressure and flow for your specific setup.
5. **Showerhead and Bracket:** Install the pressure boosting showerhead and the no-drilling shower bracket for convenient use.
6. **First Supply Water:** Before powering on, open the cold water supply valve to allow water to flow through the unit and fill the heating chamber. Check for any leaks.
7. **Power On:** Once water is flowing and there are no leaks, connect the unit to the power supply.

Bathroom Installation Schematic Diagram



Installation Tips

- 1-0.05-0.6MPa – First supply water, then power on. Suitable water pressure: 0.05-0.6MPa.
- 2-The power switch should be installed on the cabinet where it is not easily exposed to dripping water.
- 3- Install it in an indoor environment with a temperature above 0°C. Pipelines should be arranged centrally, and the hot water outlet should not be too far from the hot water usage point.

Figure 5.1: Bathroom Installation Schematic Diagram.

6. OPERATING INSTRUCTIONS

The ALongDeng RYJ-002 water heater provides instant hot water with precise temperature control.

Instant heating with unlimited hot water.

Water and energy efficient / No need to wait for hot water.



Figure 6.1: Instant heating capability of the water heater.

6.1 Powering On/Off:

- Ensure the unit is properly installed and connected to the water and power supply.
- Turn on the main power switch for the water heater. The LED display will illuminate.
- To turn off, simply switch off the main power supply to the unit.

6.2 Temperature Adjustment:

- The water heater features an intuitive LED touch screen for temperature control.
- Use the + and - buttons on the touch screen to adjust the desired water temperature.
- The temperature can be set between 30°C and 55°C. The digital display provides real-time temperature monitoring.

6.3 Instant Hot Water Feature:

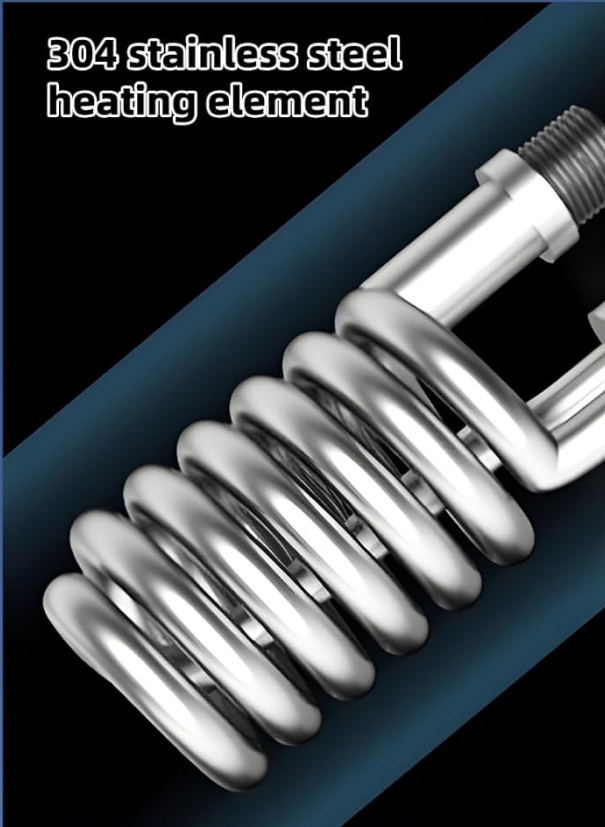
- The 5500W heating system provides hot water in approximately 3 seconds upon activation.
- The reinforced 304 stainless steel heating element ensures continuous hot water supply as long as water flows through the unit.

5500W high power

95% hot water output rate

Reinforced stainless steel heating element, instant heating upon water flow, continuously supplying hot water

304 stainless steel
heating element



3D rotary
heating

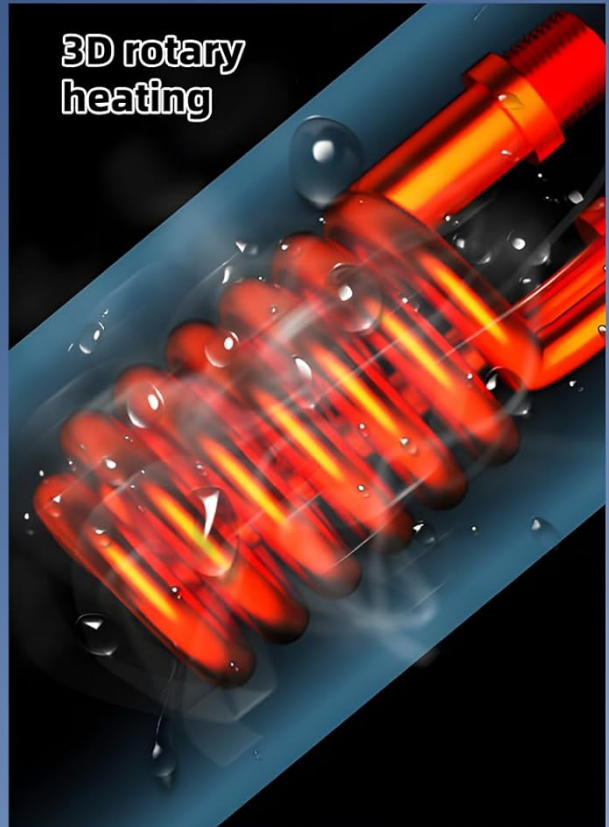


Figure 6.2: Internal heating elements for 5500W high power output.

IPX4 waterproof rating

Installed in the kitchen, washstand, or bathroom, there's no need to worry about moisture.



IPX4



Figure 6.3: Bottom view showing water inlet, outlet, and power cord connections, highlighting IPX4 waterproof rating.

7. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater.

- **Cleaning:** Wipe the exterior of the unit with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Water Inlet Filter:** Periodically check and clean the filter screen at the water inlet to prevent blockages from sediment. Turn off the water supply and power before cleaning.
- **Descaling:** In areas with hard water, mineral deposits can accumulate over time. Consult a qualified plumber for professional descaling if you notice reduced water flow or heating efficiency.
- **Leakage Check:** Regularly inspect all water connections for any signs of leaks. Tighten connections if necessary.

8. TROUBLESHOOTING

If you encounter issues with your water heater, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No hot water	No power supply Water flow too low Overheating protection activated	Check circuit breaker and power connection Ensure adequate water flow (0.05-0.6MPa) Turn off power, wait 10 minutes, then restart
Water not hot enough	Temperature setting too low Inlet water temperature too cold Insufficient power supply	Increase temperature setting on LED display This unit heats water from its inlet temperature; adjust flow rate if necessary Ensure proper electrical connection and voltage
Water leakage	Loose connections Damaged seals/hoses	Turn off water and power, tighten all connections Inspect hoses and seals for damage, replace if necessary
Unit not turning on	No power Leakage protection switch tripped	Check power outlet and circuit breaker Reset the leakage protection switch

If the problem persists after attempting these solutions, please contact customer support.

9. WARRANTY INFORMATION

This ALongDeng product is covered by a standard manufacturer's warranty against defects in materials and workmanship. The warranty period typically begins from the date of purchase. Please retain your proof of purchase for warranty claims. For specific warranty terms and conditions, refer to the warranty card included in your package or contact ALongDeng customer support.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting not covered in this manual, or warranty inquiries, please contact ALongDeng customer support. Please have your model number (RYJ-002) and purchase information ready when contacting support. Contact information can typically be found on the product packaging, the official ALongDeng website, or your purchase receipt.