

## Zanussi ZYE05041WN

# Zanussi Smart Digital Electric Water Heater 50 Liter (Model ZYE05041WN) - Instruction Manual

Model Number: 945105441

## 1. INTRODUCTION

---

Thank you for choosing the Zanussi Smart Digital Electric Water Heater, 50 Liter (Model ZYE05041WN). This manual provides essential information for the safe installation, operation, and maintenance of your new water heater. Please read these instructions carefully before installation and use, and keep them for future reference. Proper installation and adherence to these guidelines will ensure optimal performance and longevity of your appliance.

## 2. IMPORTANT SAFETY INFORMATION

---

**WARNING:** Failure to follow these safety instructions could result in electric shock, fire, serious injury, or death.

- Installation must be performed by a qualified professional in accordance with local regulations and standards.
- Ensure the electrical supply matches the specifications of the water heater (1500W, corded electric).
- Do not operate the water heater if it is damaged or malfunctioning.
- Never attempt to repair the appliance yourself. Contact qualified service personnel.
- Keep flammable materials away from the water heater.
- Ensure proper grounding of the appliance.
- Do not block the pressure relief valve.
- This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

## 3. PRODUCT OVERVIEW

---

The Zanussi Smart Digital Electric Water Heater is designed to provide a reliable and efficient hot water supply for your home. It features a 50-liter capacity, a powerful 1500-watt heating element, and a digital display for precise temperature control. The inner tank is made of durable enamel-coated steel, ensuring longevity and resistance to corrosion.



**Figure 1:** Front view of the Zanussi Smart Digital Electric Water Heater. This image shows the white cylindrical unit with a digital display panel at the bottom, indicating temperature.

## Key Features:

- **Capacity:** 50 Liters
- **Power:** 1500 Watts
- **Material:** Enamel-coated steel tank
- **Display:** Digital temperature display
- **Installation:** Wall-mounted
- **Safety:** High level of safety features
- **Efficiency:** Energy efficient design

## 4. SETUP AND INSTALLATION

---

**IMPORTANT:** Installation must be carried out by a certified plumber and electrician to ensure safety and compliance with local building codes.

### 4.1. Choosing a Location

- Select a location that can support the weight of the water heater when full (approx. 50 kg + unit weight).
- Ensure adequate clearance around the unit for maintenance and ventilation.
- The location should be protected from freezing temperatures.

- Install as close as possible to the main hot water usage points to minimize heat loss.

## 4.2. Wall Mounting

1. Mark the drilling points on the wall according to the mounting bracket dimensions.
2. Drill holes and insert appropriate wall anchors suitable for the wall material and weight.
3. Securely attach the mounting bracket to the wall.
4. Carefully lift and hang the water heater onto the bracket, ensuring it is level and stable.

## 4.3. Water Connections

- Connect the cold water inlet (usually marked blue) to the main cold water supply.
- Connect the hot water outlet (usually marked red) to the household hot water distribution system.
- Install a pressure relief valve (PRV) on the cold water inlet line, as required by local codes.
- Ensure all connections are watertight using appropriate sealing materials.
- Open the cold water supply valve and allow the tank to fill completely. Open a hot water faucet in your home to purge air from the system until water flows steadily.
- Check for any leaks at all connection points.

## 4.4. Electrical Connection

- Ensure the power supply is turned off at the main circuit breaker before making any electrical connections.
- Connect the water heater to a dedicated, properly grounded electrical circuit with appropriate voltage and amperage (1500W).
- Follow the wiring diagram provided with the appliance or consult a qualified electrician.
- Once connections are secure, turn on the power supply.

# 5. OPERATING INSTRUCTIONS

---

After successful installation and filling the tank with water, you can begin operating your water heater.

## 5.1. Powering On/Off

- To power on the unit, ensure the main electrical supply to the water heater is switched on. The digital display should illuminate.
- To power off, switch off the main electrical supply to the water heater.

## 5.2. Setting Temperature

- The digital display shows the current water temperature inside the tank.
- Use the control buttons (usually '+' and '-' or similar icons) on the display panel to adjust the desired water temperature.
- The heater will automatically activate to heat the water to the set temperature and maintain it.
- For energy efficiency and safety, it is recommended to set the temperature between 45°C and 55°C. Temperatures above 60°C can cause scalding.

## 5.3. Heating Cycle

Once the desired temperature is set, the heating element will turn on. The digital display will show the water heating up. When the set temperature is reached, the heating element will turn off. It will reactivate automatically when the water temperature drops below the set point.

# 6. MAINTENANCE

---

Regular maintenance ensures the efficient and safe operation of your water heater. Always disconnect the power supply before performing any maintenance.

## 6.1. Annual Inspection

- Have a qualified technician inspect the water heater annually.
- Check the pressure relief valve (PRV) for proper operation.
- Inspect all water connections for leaks.
- Examine the electrical connections for any signs of wear or corrosion.

## 6.2. Draining and Descaling (Every 1-3 Years)

Depending on water hardness, sediment can accumulate in the tank, reducing efficiency.

1. Turn off the power supply to the water heater.
2. Close the cold water inlet valve.
3. Open a hot water faucet in your home to relieve pressure.
4. Connect a hose to the drain valve at the bottom of the water heater and direct it to a suitable drain.
5. Open the drain valve and allow the tank to empty.
6. Once drained, flush the tank with cold water to remove sediment.
7. Close the drain valve, disconnect the hose, and refill the tank as per Section 4.3.
8. Restore power to the unit.

## 6.3. Cleaning the Exterior

Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.

## 7. TROUBLESHOOTING

---

Before contacting customer service, please refer to the following common issues and solutions.

Problem	Possible Cause	Solution
No hot water or insufficient hot water	<ul style="list-style-type: none"><li>• Power supply off</li><li>• Thermostat set too low</li><li>• Heating element failure</li><li>• Sediment buildup</li></ul>	<ul style="list-style-type: none"><li>• Check circuit breaker and power switch.</li><li>• Adjust thermostat to a higher setting.</li><li>• Contact a qualified technician for inspection and replacement.</li><li>• Drain and flush the tank (see Section 6.2).</li></ul>
Water is too hot	<ul style="list-style-type: none"><li>• Thermostat set too high</li></ul>	<ul style="list-style-type: none"><li>• Lower the thermostat setting.</li></ul>
Leaking from the unit	<ul style="list-style-type: none"><li>• Loose connections</li><li>• Faulty pressure relief valve</li><li>• Tank corrosion (serious issue)</li></ul>	<ul style="list-style-type: none"><li>• Tighten connections (ensure power is off and water supply is off).</li><li>• Contact a qualified plumber to inspect/replace the PRV.</li><li>• Immediately turn off water and power supply and contact service.</li></ul>
Unusual noises	<ul style="list-style-type: none"><li>• Sediment buildup</li><li>• Heating element issue</li></ul>	<ul style="list-style-type: none"><li>• Drain and flush the tank (see Section 6.2).</li><li>• Contact a qualified technician.</li></ul>

## 8. SPECIFICATIONS

---

Feature	Detail
Brand	Zanussi
Model Name	Smart Digital Electric Water Heater
Model Number	ZYE05041WN (945105441)
Capacity	50 Liters
Electrical Power	1500 Watts
Power Source	Corded Electric
Material	Enamel Coated Steel
Color	White
Installation Style	Wall-mounted (Internal installation)
Special Features	Digital Temperature Display, Energy Efficient
Maximum Pressure	8 Bars
Item Weight	18.61 Kilograms
Country of Origin	Egypt

Note: Product dimensions (9x9x9 cm) listed in source data appear to be incorrect for a 50L water heater and are omitted.

## 9. WARRANTY AND SUPPORT

---

### 9.1. Warranty Information

Your Zanussi Electric Water Heater comes with a manufacturer's warranty. Please refer to the warranty card included with your product for specific terms, conditions, and duration of coverage. Keep your purchase receipt as proof of purchase for warranty claims.

### 9.2. Customer Support

For technical assistance, service requests, or questions regarding your product, please contact Zanussi customer support or your authorized dealer. Contact details can typically be found on the warranty card or the manufacturer's official website.

