

Thermex IF 50 H Comfort Wi-Fi

Thermex IF 50 H Comfort Wi-Fi Electric Water Heater User Manual

Model: IF 50 H Comfort Wi-Fi | Brand: Thermex

1. INTRODUCTION

Thank you for choosing the Thermex IF 50 H Comfort Wi-Fi Electric Water Heater. This appliance is designed to provide a reliable and efficient supply of hot water for your home. Its flat design allows for versatile installation in modern interiors, and the integrated Wi-Fi functionality offers convenient remote control via a smartphone application. Please read this manual carefully before installation and operation to ensure safe and optimal performance of your water heater.

2. SAFETY INSTRUCTIONS

Always observe the following safety precautions to prevent injury or damage to the appliance:

- **Professional Installation:** Installation and commissioning of this water heater must be performed by a qualified and certified professional in accordance with local regulations and standards. Improper installation can lead to electric shock, fire, or water leakage.
- **Electrical Safety:** Ensure the power supply matches the specifications of the water heater (230V, 2000W). Do not use extension cords or adapters. The appliance must be properly grounded.
- **Water Pressure:** Install the included safety valve to prevent excessive pressure buildup inside the tank. Ensure proper drainage for the safety valve.
- **Water Temperature:** Hot water can cause severe burns. Exercise caution when using hot water and consider installing thermostatic mixing valves if necessary.
- **Maintenance:** Disconnect the power supply before performing any maintenance or cleaning. Only use genuine spare parts.
- **Children and Vulnerable Persons:** 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.
- **Frost Protection:** Do not install the water heater in areas where it may be exposed to freezing temperatures, as this can cause damage to the tank and pipes.

3. PACKAGE CONTENTS

Please check that all components are present and undamaged:

- Thermex IF 50 H Comfort Wi-Fi Electric Water Heater Unit
- User Manual
- Heavy-duty Wall Anchors for Wall Mounting
- Safety Valve
- Check Valve

4. PRODUCT OVERVIEW

The Thermex IF 50 H Comfort Wi-Fi water heater features a flat, elegant design with a durable bio-enameled steel tank. It includes three heating elements for rapid water heating and a user-friendly touch control panel with an LCD display. The integrated Wi-Fi module allows for smart control via a dedicated smartphone application.



Figure 4.1: Front view of the Thermex IF 50 H Comfort Wi-Fi Electric Water Heater, showing the control panel, Wi-Fi indicator, and water connections.



Figure 4.2: Side view illustrating the flat profile of the Thermex IF 50 H Comfort Wi-Fi Electric Water Heater, highlighting its space-saving design.

5. INSTALLATION (SETUP)

Installation must be carried out by a qualified professional. The manufacturer requires proof of professional installation for warranty claims.

5.1 Mounting

- The Thermex IF 50 H Comfort Wi-Fi is designed for horizontal wall mounting.
- Select a suitable location that can support the weight of the water heater when full (approximately 43 kg water + 19 kg unit = 62 kg).
- Use the provided heavy-duty wall anchors to securely fasten the unit to the wall.
- Ensure adequate clearance around the unit for maintenance and air circulation.

5.2 Plumbing Connections

- Connect the cold water inlet (blue marking) and hot water outlet (red marking) to your plumbing system.
- Install the supplied safety valve on the cold water inlet pipe. Ensure the safety valve is correctly oriented and has a clear discharge path to a drain.
- Install the check valve as per local regulations to prevent backflow.
- Fill the water heater with water before connecting to the electrical supply. Open a hot water tap to allow air to escape until water flows steadily.

5.3 Electrical Connection

- The water heater requires a 230V AC, 2000W electrical supply.
- Connect the unit to a dedicated, properly grounded electrical circuit protected by a suitable circuit breaker.

- Ensure all electrical connections are tight and secure.

6. OPERATION

The water heater can be operated via its integrated touch control panel or remotely via the Wi-Fi application.

6.1 Control Panel

The control panel features an LCD display and three buttons for easy operation.



Figure 6.1: Close-up of the touch control panel with LCD display, showing temperature and mode indicators.

- **Power Button:** Press to turn the unit ON or OFF.
- **Temperature Adjustment:** Use the up/down arrows to set the desired water temperature. The LCD will display the current and set temperatures.
- **Mode Selection:** Cycle through available heating modes (Fast, Normal, Eco, Frost Protection) using the mode button.

6.2 Heating Modes

- **Fast:** Heats water rapidly using all available heating elements.
- **Normal:** Standard heating mode for everyday use.
- **Eco:** Energy-saving mode, optimizes heating for efficiency.
- **Frost Protection:** Maintains a minimum temperature to prevent water from freezing inside the tank, ideal for periods of absence.

7. WI-FI CONNECTIVITY

The integrated Wi-Fi module allows you to control your water heater remotely using the Thermex Home smartphone application.



Figure 7.1: Wi-Fi Motion sticker indicating compatibility with the Thermex Home application, with logos for Google Play and App Store.

7.1 App Download

Download the "Thermex Home" application from your smartphone's app store (Google Play for Android or Apple App Store for iOS).

7.2 Pairing Your Device

- Ensure your water heater is powered on and within range of your Wi-Fi network.
- Open the Thermex Home app and follow the on-screen instructions to add a new device.
- The app will guide you through the pairing process, which may involve pressing a specific button on the water heater's control panel to activate pairing mode.

7.3 App Functions

Once connected, the app allows you to:

- Turn the water heater ON or OFF remotely.
- Adjust the water temperature.
- Select different heating modes.
- Set a timer for operation.
- Receive self-diagnosis and error messages.

8. MAINTENANCE

Regular maintenance ensures the longevity and efficient operation of your water heater. Always disconnect power before maintenance.

8.1 Regular Checks

- **Safety Valve:** Periodically check the safety valve for proper operation by manually opening it to ensure water flows out. This helps prevent mineral buildup.
- **Anode Rod:** The magnesium anode rod protects the tank from corrosion. It should be inspected and replaced by a qualified professional every 1-2 years, depending on water quality.
- **Cleaning:** Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Sediment Flush:** In areas with hard water, periodic flushing of the tank to remove sediment buildup may be beneficial. This should be performed by a professional.

9. TROUBLESHOOTING

If you encounter issues, refer to the table below for common problems and solutions. For complex issues, contact a qualified technician.

Problem	Possible Cause	Solution
No hot water	No power supply Thermostat set too low Heating element failure	Check circuit breaker/fuse Adjust thermostat setting Contact service professional
Water not hot enough	Thermostat set too low High hot water demand Sediment buildup	Increase temperature setting Allow more time for heating Professional sediment flush

Problem	Possible Cause	Solution
Water leakage	Loose plumbing connections Safety valve discharge Tank leak	Tighten connections Normal operation if pressure is too high; check pressure reducer Contact service professional immediately
Wi-Fi connection issues	Incorrect Wi-Fi password Router too far App not updated	Re-enter password Move router closer or use extender Update Thermex Home app
Unusual noises	Sediment buildup Loose components	Professional sediment flush Contact service professional

10. SPECIFICATIONS

Technical data for the Thermex IF 50 H Comfort Wi-Fi Electric Water Heater:

Feature	Specification
Model	IF 50 H Comfort Wi-Fi
Capacity	43 Liters
Power	2000 Watts
Voltage	230 Volts (AC)
Dimensions (L x W x H)	88 x 26.3 x 45.3 cm
Installation Depth	263 mm
Weight (empty)	19 Kilograms
Material	Alloy Steel (Bio-enameled tank)
Special Features	Wi-Fi Connectivity, Flat Design, Touch Control Panel, Multiple Heating Modes
Energy Efficiency Rating	C

11. WARRANTY AND SUPPORT

For warranty claims, the manufacturer requires proof of installation and commissioning by a specialized company. Please retain your installation documentation and purchase receipt.

In case of warranty, only spare parts are supplied by the manufacturer. For service or technical support, please contact your retailer or a qualified service professional.