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Thermex ID 50 H Shadow

Thermex ID 50 H Shadow Water Heater User Manual

Model: ID 50 H Shadow

1. IMPORTANT SAFETY INSTRUCTIONS

Read all instructions carefully before installation and use. Keep this manual for future reference.

- Ensure the power supply matches the specifications of the water heater (230V, 10A).
- Installation must be performed by a qualified professional in accordance with local regulations.
- Do not operate the water heater if it is damaged or malfunctioning.
- Always disconnect the power supply before performing any maintenance or repairs.
- The water heater must be properly grounded.
- 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.

2. PRODUCT OVERVIEW

The Thermex ID 50 H Shadow is a flat-design electric water heater designed for horizontal wall mounting. It features smart functionality for energy efficiency and a user-friendly digital display.

Key Features:

- Flat design for easy integration.
- Smart mode for monitoring and optimizing hot water usage.
- Energy efficiency class B.
- User-friendly digital display.
- Self-diagnosis and frost protection functions.
- Enamelled steel tanks with patented coating for corrosion protection.
- Power failure memory retains last settings.

Package Contents:

- Thermex ID 50 H Shadow Water Heater

- Connection Cable
- 3-way Safety Valve (drain valve, non-return valve, pressure relief valve)
- Wall Anchor Set
- User Manual (this document)



Figure 1: Front view of the Thermex ID 50 H Shadow Water Heater, showing the digital display and control buttons.

3. INSTALLATION

Proper installation is crucial for the safe and efficient operation of your water heater. Consult a qualified professional for installation.

3.1 Mounting

- The water heater is designed for **horizontal wall mounting**.
- Ensure the mounting surface is strong enough to support the full weight of the water heater when filled with water (approx. 43 kg + 19 kg = 62 kg).
- Use the provided wall anchor set for secure installation.
- The two water pipes must face downwards.



Figure 2: Back view of the water heater, illustrating the mounting brackets for horizontal installation.

3.2 Water Connections

- Connect the cold water inlet and hot water outlet pipes.
- Install the supplied 3-way safety valve on the cold water inlet. This valve acts as a drain valve, non-return valve, and pressure relief valve.
- Ensure water pressure is within the specified range: minimum 0.05 MPa and maximum 0.6 MPa.
- Flush the pipes before connecting to the water heater to remove any debris.
- 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 freely.

3.3 Electrical Connection

- Connect the water heater to a dedicated electrical circuit.
- The electrical specifications are 230 Volts, 2000 Watts, and 10 Amperes.
- Ensure proper grounding.
- The connection cable is included.

4. OPERATION

The Thermex ID 50 H Shadow features an intuitive digital display and multiple heating modes for optimal performance.

4.1 Control Panel



Figure 3: Detailed view of the control panel, showing temperature display, temperature control buttons, On/Off button, and heating mode selection.

- **Digital Display:** Shows the current water temperature in degrees Celsius.
- **Temperature Control Buttons (▲ / ▼):** Adjust the desired water temperature.
- **On/Off Button:** Powers the unit on or off.
- **Heating Mode Button:** Cycles through available heating modes.

4.2 Heating Modes

The water heater offers several heating modes to suit different needs:

- **Turbo Mode:** Provides rapid heating for quick hot water availability.
- **Optimal Mode:** Balances heating speed and energy consumption for general use.
- **Economy Mode:** Prioritizes energy saving by heating water more slowly or to a slightly lower temperature.
- **Smart Mode:** This intelligent mode monitors your hot water usage patterns over a 7-day cycle. It anticipates your needs and preheats water accordingly, ensuring hot water is available when required while minimizing energy consumption during periods of low demand. If no hot water is needed, the unit maintains a minimum temperature.

4.3 Initial Startup

1. Ensure the water heater is filled with water and all connections are secure.
2. Connect the power supply.
3. Press the On/Off button to power on the unit.
4. Select your desired heating mode and set the temperature using the control buttons.

5. MAINTENANCE

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

5.1 General Care

- Clean the exterior of the water heater with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- Periodically check for any leaks around the connections.

5.2 Anode Inspection

The water heater is equipped with two anodes to protect the tanks from corrosion. These anodes should be inspected and replaced periodically by a qualified technician, typically every 1-2 years, depending on water quality.

5.3 Frost Protection

The unit includes a frost protection function. If the ambient temperature drops too low, the water heater will automatically activate to prevent the water from freezing, protecting the unit from damage.

6. TROUBLESHOOTING

The Thermex ID 50 H Shadow is equipped with a self-diagnosis system. If an issue occurs, an error code may appear on the display. Refer to the full manual for a complete list of error codes and their solutions.

Common Issues:

- **No Hot Water:** Check power supply, ensure the unit is turned on, and verify the selected heating mode and temperature setting.
- **Water Not Hot Enough:** Increase the temperature setting. Allow sufficient heating time.
- **Power Failure:** The unit will remember the last settings and resume operation once power is restored.
- **Leaks:** Immediately disconnect power and water supply. Contact a qualified technician.

For persistent problems or error codes not listed, contact customer support.

7. TECHNICAL SPECIFICATIONS

Feature	Specification
Brand	Thermex
Model	ID 50 H Shadow
Capacity (Net)	43 Liters
Installation Type	Horizontal Wall Mounting
Dimensions (D x W x H)	263 x 880 x 453 mm
Empty Weight	19 kg
Material	Stainless Steel (Enameled Tanks)
Power Supply	230 V
Power Consumption	2000 W
Current	10 A
Water Pressure (Min/Max)	0.05 MPa / 0.6 MPa

Feature	Specification
Maximum Working Pressure	0.6 MPa (approx. 6 Bar)
Maximum Temperature	65 °C
Heating Time (approx.)	1 hour, 25 minutes
Energy Efficiency Class	B
Annual Electricity Consumption	1315 kWh
Noise Level (Indoor)	15 dB
Special Features	Smart Mode, Self-diagnosis, Frost Protection

8. WARRANTY AND SUPPORT

The Thermex ID 50 H Shadow Water Heater comes with a comprehensive warranty:

- **Unit Warranty:** 2 years from the date of purchase.
- **Tank Warranty:** 5 years on the internal tanks.

This warranty covers manufacturing defects under normal use. It does not cover damage caused by improper installation, misuse, neglect, or unauthorized repairs.

Customer Support:

For technical assistance, warranty claims, or spare parts, please contact your retailer or the official Thermex customer support. Have your product model and purchase date available when contacting support.