HEATIT ET-85W

HEATIT ET-85W Black Touchscreen Programmable Thermostat User Manual

Model: ET-85W

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your HEATIT ET-85W Black Touchscreen Programmable Thermostat. This thermostat is designed for electric radiant floor heating systems, offering advanced control and energy efficiency.

The HEATIT ET-85W thermostat allows for remote management via the Warmme app, voice control through Alexa and Google Assistant, and features intelligent 7-day programming with Adaptive Learning technology. It is compatible with various electric radiant floor heating systems and includes dual sensing capabilities for both room and floor temperatures.

Image 1.1: The HEATIT ET-85W thermostat alongside its smartphone application interface, demonstrating remote control capabilities.

2. PRODUCT FEATURES

The HEATIT ET-85W thermostat is equipped with several features to enhance comfort and energy management:

- **Smart & Voice Control:** Manage your heating system remotely using the Warmme app (iOS/Android) or voice commands via Alexa and Google Assistant.
- **Intelligent 7-Day Programming:** Customize heating schedules for each day of the week, or use 5+1+1 day programming, with Adaptive Learning technology to optimize energy use.
- **Universal Compatibility:** Designed for most electric radiant floor heating systems (tile, wood, laminate) with a wide voltage range (85V-265V).
- **Dual Sensing:** Monitors both room and floor temperatures, with a floor temperature limit of 95°F (35°C) for material protection.
- **Sleek Design:** Modern touchscreen interface that integrates seamlessly into contemporary home decor.
- **Safety & Convenience:** Includes Child Lock, Vacation Mode, and Open Window Detection features.
- **High Capacity:** Supports up to 16A load.

Image 2.1: Overview of key features such as Child Lock, Anti-frozen function, APP Remote control, and Holiday Mode, designed for electric underfloor heating systems.

3. INSTALLATION

Important: Installation should be performed by a qualified electrician in accordance with local electrical codes. Ensure power is disconnected before beginning installation.

3.1. Mounting Steps

1. Gently press your fingers under the side of the front part of the thermostat and pull it toward you to separate the display module from the backplate.
2. Connect the thermostat wiring according to the wiring instructions provided in Section 3.2.
3. Mount the backplate to the wall or socket by screwing it through the designated holes on each side.
4. Carefully put the display module back onto the mounted backplate until it clicks into place.
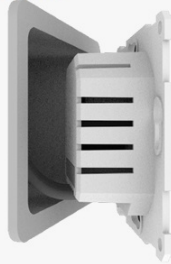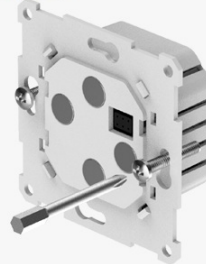
INSTALLATION

Step1

Press your fingers under the side of the front part and pull toward you.
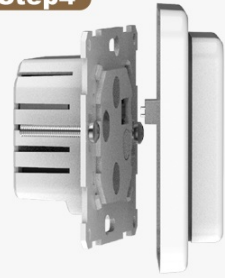
Step2

Connect the thermostat according to the wiring instruction.

Step3

Mount the thermostat by screwing it to the wall or socket through the holes on each side.

Step4

Put the frame on. Click the display module back in place

Image 3.1: Visual guide for the physical installation of the thermostat, from separating components to final assembly.

3.2. Wiring Instructions

Refer to the wiring diagram below for proper connection. Ensure all connections are secure and comply with electrical safety standards. For installations in bathrooms or wet locations, it is recommended to use a floor sensor, a room-out sensor, or both. A room-out sensor is used to detect the temperature in the entire room and is sold separately.

Suggestion: To prolong the lifetime of the thermostat, keep the maximum load around 90% of 16A.

Please select floor sensor, Room-out sensor or floor sensor and Room-out sensor to run the thermostat if you install it on bathroom or wet location.Room-out sensor is used to detect the temp in the whole room. Room-out senor sold separately.

Suggestion: Please keep the max load around 90% of 16A to prolong the lifetime.

ROOM -OUT SENEOR

FLOOR SENEOR

POWER

N1 | N | L | L1 | S2 | COM | S1

POWER
85V-265V
50/60Hz

FLOOR SENSOR

MAX LOAD: 16A

IP 21

N1 | N | L | L1 | S2 | COM | S1

POWER
85V-265V
50/60Hz

FLOOR SENSOR

MAX LOAD: 16A

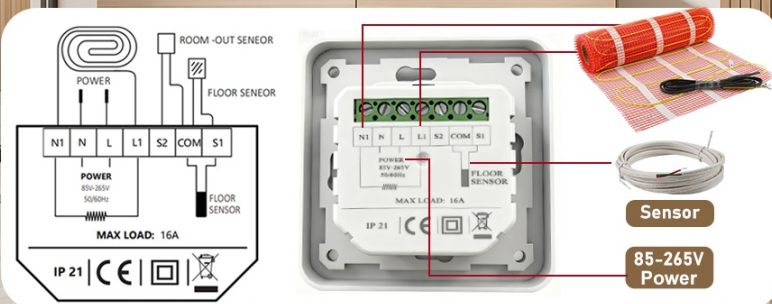IP 21

Sensor

85-265V Power

Image 3.2: Detailed wiring diagram illustrating connections for power (N1, L1, N, L), floor sensor (S1, S2), and room-out sensor (COM, S1).

4. OPERATION

4.1. Thermostat Symbols and Controls

Familiarize yourself with the symbols and controls on your thermostat's touchscreen for effective operation.

Image 4.1: Explanation of thermostat symbols, including buttons for confirmation, parameter selection, and icons for WiFi, heating, modes, and sensor types.

4.2. Startup Wizard

When the unit is activated for the first time, the startup wizard will guide you through initial settings:

- **Clock Settings:** Set the day, hour, and minute. If connected to Wi-Fi, the thermostat will automatically update time.

- **Sensor Selection:** Choose from five options for temperature sensing:

  - Floor sensor only (default)

  - Room sensor only (built-in)

  - Room sensor and floor sensor (with floor temperature limit)

  - External room sensor only

  - External room sensor and floor sensor (with floor temperature limit)

- **Floor Temperature Limit:** If using a floor sensor, set the maximum floor temperature to protect your flooring material.

- **Home or Office Mode:** Select the environment type for optimized default settings.

4.3. Programming Schedules

The thermostat offers flexible programming options to suit your lifestyle:

- **7-Day Programming:** Each day from Monday to Sunday can be set individually.
- **5+1+1 Day Programming:** Monday to Friday share the same schedule, while Saturday and Sunday can be set individually.

Default parameters for Home and Office modes are pre-set but can be customized.

Programmable

Select a weekly schedule for the Edit. There are 2 options:

7: each day from Mon to Sun can be set individually

5+1+1: 5 days from Mon to Fri have the same events, Sat and Sun can be set individually.

Default Parameters :

	Day	(Wake)	(Leave)	(Back)	(Sleep)
Home	**Mon-Fri**	06:00 20.0 °C	08:30 15.0 °C	17:00 2 0.0°C	23:00 15.0 °C
	Sat/Sun	06:00 20.0 °C	08:30 20.0 °C	17:00 20.0 °C	23:00 15.0 °C
	Day	(Work)	(Off work)		
Office	**Mon-Fri**	07:00 20.0 °C	18:00 15.0 °C		
	Sat/Sun	07:00 15.0 °C	18:00 15.0 °C		

Image 4.2: Illustration of the programmable schedule interface, detailing options for daily and weekly temperature adjustments.

4.4. Control Modes

The thermostat supports multiple operating modes to tailor your comfort:

- **Auto Mode:** Follows the programmed schedule.
- **Manual Mode:** Allows for constant temperature setting, overriding the schedule.

- **Holiday Mode:** Maintains a set temperature for an extended period, ideal for energy saving when away.
- **Child Lock:** Prevents unauthorized changes to settings.
- **Anti-Frozen:** Activates heating if the temperature drops below a set minimum to prevent freezing.
- **Open Window Detection:** Automatically pauses heating if a sudden temperature drop (indicating an open window) is detected, saving energy.

Image 4.3: Visual representation of the various control modes and functions for comprehensive temperature management.

4.5. Smart & Voice Control

Connect your thermostat to your home Wi-Fi network to unlock smart control features:

- **Warmme App:** Download the Warmme app (available on iOS and Android) to remotely manage your thermostat, adjust settings, monitor temperature, and view energy usage reports from anywhere.
- **Voice Assistants:** Integrate with Amazon Alexa and Google Assistant for convenient hands-free temperature adjustments.

Voice Control. Hands-Free Comfort

"Alexa, set the thermostat to 72°F."

"Hey Google, set the thermostat to 72°F."

Control your home's temperature from anywhere.

DOWNLOAD ON Google Play

Image 4.4: Demonstrates voice control capabilities with popular smart home assistants, allowing users to manage temperature hands-free.

Smart App Control

Manual Control

Power ⬚ : Press to turn ON or OFF

Temperature ⌄ or ⌄ : Press to decrease or increase

- Remote Management
- Custom Programming
- Advanced Settings

Image 4.5: Overview of the smartphone app's interface for manual control, remote adjustments, and personalized programming.

5. MAINTENANCE

The HEATIT ET-85W thermostat requires minimal maintenance. Follow these guidelines to ensure optimal performance:

- **Cleaning:** Gently wipe the touchscreen with a soft, dry cloth. Avoid using abrasive cleaners or solvents, as these can damage the screen and finish.
- **Software Updates:** Ensure your Warmme app is up to date to receive the latest features and performance improvements. The thermostat's firmware may also receive updates via Wi-Fi.
- **Sensor Care:** Ensure the floor sensor and any external room sensors are free from obstructions and debris to maintain accurate temperature readings.

6. TROUBLESHOOTING

If you encounter issues with your HEATIT ET-85W thermostat, consider the following common solutions:

- **No Power/Display Off:** Check the circuit breaker for your heating system. Ensure the thermostat is properly connected to the power supply as per the wiring instructions.
- **Incorrect Temperature Reading:** Verify that the selected sensor (room, floor, or both) is appropriate for your setup and is not obstructed. Ensure the floor sensor is correctly installed beneath the flooring.
- **Wi-Fi Connection Issues:** Ensure your home Wi-Fi network is active and the thermostat is within range. Re-enter Wi-Fi credentials in the Warmme app if necessary. The thermostat supports 2.4 GHz Wi-Fi networks.
- **Thermostat Not Responding:** Try restarting the thermostat by turning off the power at the circuit breaker for a few minutes, then turning it back on.
- **Programming Not Working:** Double-check your programmed schedules in the app or on the thermostat. Ensure the thermostat is in Auto Mode to follow the schedule.
- **Floor Overheating/Underheating:** Verify the floor temperature limit setting. If set too low, it may prevent adequate heating; if too high, it may cause overheating.

For persistent issues, refer to the detailed troubleshooting section in the full product manual or contact customer support.

7. SPECIFICATIONS

Feature	Detail
Brand	HEATIT
Model Number	ET-85W BLACK
Controller Type	Touchscreen, Amazon Alexa, Google Assistant
Special Feature	Programmable, Smart & Voice Control
Color	Black
Temperature Control Type	Digital, Programmable, Smart/Remote
Connectivity Technology	Wi-Fi (2.4 GHz)

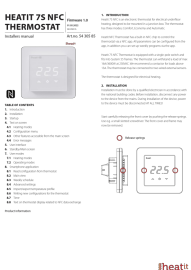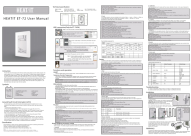| Included Components	Floor Sensor
Power Source	Corded Electric
Voltage	85V-265V (AC)
Max Load	16A
Display Type	Touchscreen
Control Method	App, Voice
Mounting Type	Floor Mount (intended for wall installation to control floor heating)
Package Dimensions	6.46 x 4.88 x 2.6 inches
Item Weight	12 ounces

8. WARRANTY AND SUPPORT

The HEATIT ET-85W Touchscreen Programmable Thermostat is backed by a **4-year limited warranty**. This warranty covers defects in materials and workmanship under normal use.
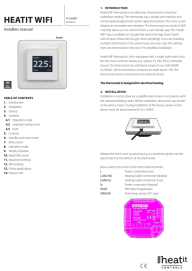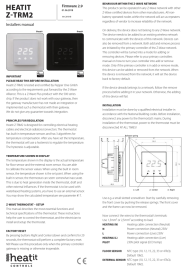
For warranty claims, technical assistance, or any questions regarding your thermostat, please contact HEATIT customer support. Refer to the product packaging or the official HEATIT website for the most current contact information.

Related Documents - ET-85W

	[Heatit 7S NFC Thermostat Installer's Manual - Installation and Operation Guide](#) Comprehensive installer's manual for the Heatit 7S NFC thermostat, covering installation, setup, user modes, and smartphone application control via NFC.
	[HEATIT ET-72/ET-72G/ET-72GW Thermostat User Manual - Floor Heating Control](#) Comprehensive user manual for the HEATIT ET-72 series thermostats, covering installation, operation, programming, WiFi setup, and troubleshooting for intelligent floor heating control. Features include weekly programming, adaptive function, GFCI protection, and sensor selection.
	[HEATIT ET-72 Digital Programmable Thermostat User Manual](#) Comprehensive user manual for the HEATIT ET-72 digital programmable thermostat, detailing installation, operation, programming, settings, and troubleshooting for floor heating systems.

[Heatit WiFi6 Thermostat - Installers Manual & Technical Guide](#)
Comprehensive installer's manual for the Heatit WiFi6 electronic thermostat. Covers installation, configuration, features, technical specifications, error codes, and troubleshooting for smart home heating control.

[Heatit WiFi Thermostat Installer's Manual: Installation, Features, and Technical Specifications](#)
Comprehensive installer's manual for the Heatit WiFi Thermostat, detailing installation, features, operation modes, WiFi settings, and technical specifications for underfloor heating systems.

[Heatit Z-TRM2 Thermostat Installer's Manual and Technical Specifications](#)
Comprehensive installer's manual for the Heatit Z-TRM2 Z-Wave Plus thermostat. Covers installation, setup, programming, error codes, and technical data for smart home heating control.