

## HEATIT ET-7A

# HEATIT ET-7A Touchscreen Programmable Thermostat User Manual

Model: ET-7A

### 1. INTRODUCTION

The HEATIT ET-7A is an intelligent programmable touchscreen thermostat designed to control underfloor heating cable systems. This thermostat helps maintain a comfortable temperature in your home while maximizing energy savings through its programmable features.

**Note:** The ET-7A model is a non-WiFi version.

### 2. SAFETY INFORMATION

- Always turn off power at the circuit breaker before installing or servicing the thermostat.
- Installation should be performed by a qualified electrician in accordance with local electrical codes.
- Do not operate the thermostat with wet hands.
- Ensure all wiring connections are secure to prevent electrical hazards.
- This thermostat includes a built-in Class A GFCI (Ground Fault Circuit Interrupter) for protection against electric shock. Test the GFCI regularly as per local regulations.

### 3. PACKAGE CONTENTS

Upon opening the package, verify that all items are present:

- 1 x HEATIT ET-7A Thermostat Unit
- 1 x Instruction Manual

- 1 x Floor Sensor Cable (10ft)
- Mounting Screws

- ✓ 3.5" color capacitive touchscreen
- ✓ Simple operation
- ✓ Weather shows



Image: Thermostat unit, sensor cable, and instruction manual.

## 4. PRODUCT OVERVIEW

The HEATIT ET-7A features a 3.5-inch color capacitive touchscreen for intuitive control and clear display of information.

### 4.1. Thermostat Front View

**HEATIT**

Mon 12:00

44.4°



T : 27°C

Manual Mode

H : 53%

25.4°



Wake: 24.0° 22:00

Mode

Edit

Image: Front view of the ET-7A thermostat.

## 4.2. User Interface Elements

# User Interface

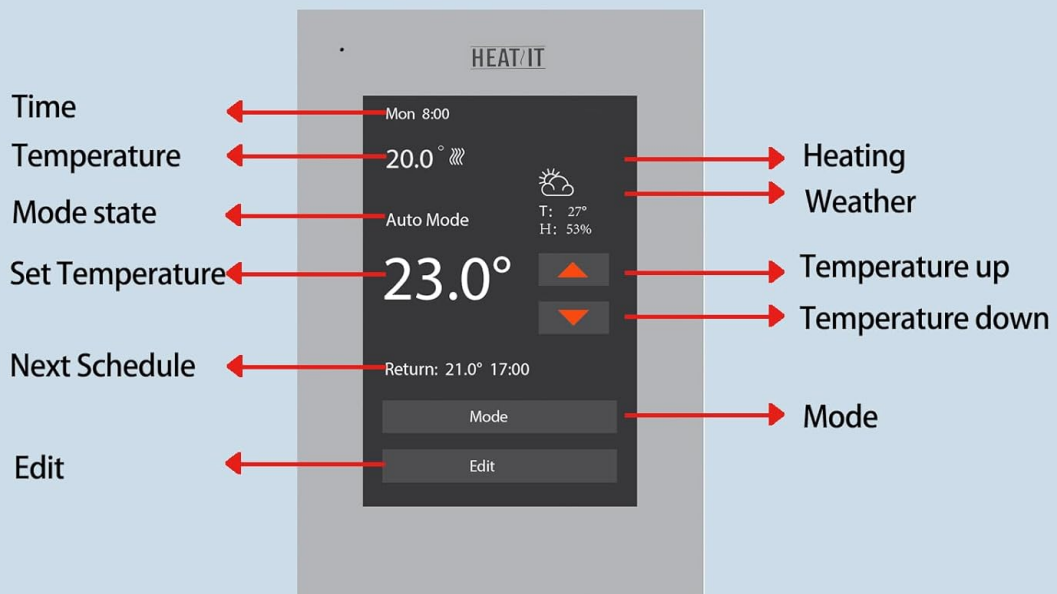


Image: User Interface diagram with labeled components.

- **Time:** Displays current time.
- **Temperature:** Shows current room or floor temperature.
- **Mode State:** Indicates the current operating mode (e.g., Auto Mode, Manual Mode).
- **Set Temperature:** Displays the target temperature.
- **Next Schedule:** Shows the next programmed event.
- **Heating:** Indicator for active heating.
- **Weather:** Displays current weather information (if applicable, though ET-7A is non-WiFi).
- **Temperature Up/Down:** Buttons to adjust the set temperature.
- **Mode:** Button to change operating modes.
- **Edit:** Button to access programming and settings.

## 4.3. Thermostat Dimensions and Wiring Terminals



Image: Various views of the thermostat, highlighting wiring terminals.

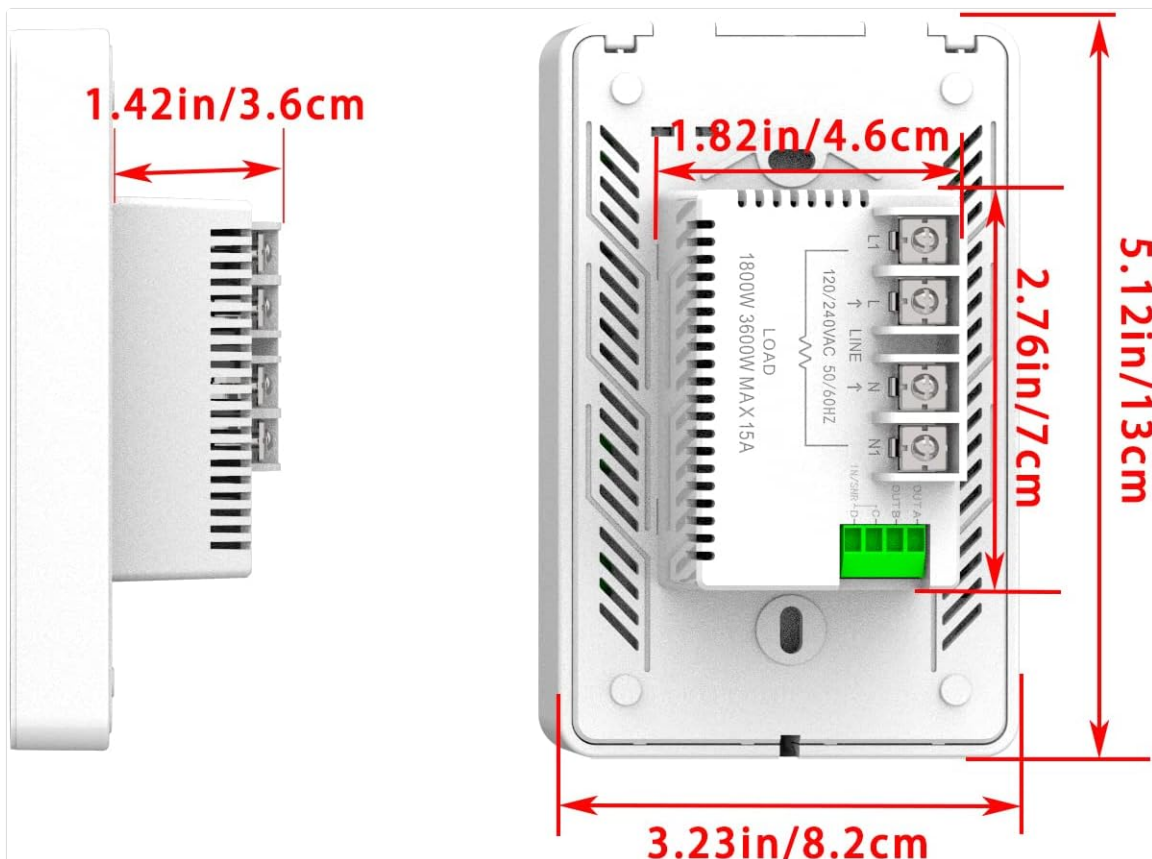


Image: Dimensions of the thermostat and its wiring base.

## 5. INSTALLATION

### 5.1. Pre-installation Preparation

Before beginning installation, ensure you have the necessary tools (e.g., screwdriver, wire strippers) and that the main power supply to the heating system is turned off at the circuit breaker.

## 5.2. Disassembly and Wiring

The thermostat consists of a display board and a power board. To access the wiring terminals, carefully separate these two components.

### Wiring Connections:

1. Connect the power lines (L, L1, N, N1) to the appropriate terminals. The middle two terminals are for power lines, and the outermost two are for heating wires.
2. Securely tighten all power lines and heating wires using a Phillips screwdriver.
3. Insert the sensor cable leads into terminals 'c' and 'd'. Tighten the screws and gently pull to ensure they are secure.

Your browser does not support the video tag.

Video: Detailed guide on disassembling and wiring the ET-7A Thermostat for installation.

## 5.3. Installation and Commissioning

Once wiring is complete, secure the thermostat to the wall using wire nuts and screws. Reattach the display board to the power board. After installation, restore power and proceed with initial setup.

# 6. OPERATING INSTRUCTIONS

The thermostat's home page displays basic status information including time, temperature, and current mode. Use the 'Mode' and 'Edit' buttons to navigate and adjust settings.

## 6.1. Mode Selection

Four function options are available:

- **Auto Mode:** Follows the programmed weekly schedule.
- **Manual Mode:** Maintains a constant user-set temperature.
- **Frost Protection Mode:** Keeps the temperature above a set minimum to prevent freezing.
- **Power Off:** Turns off the heating device.

## 6.2. Program Settings

The thermostat supports 7-day programming (each day individually) or 5+1+1 day programming (weekdays, Saturday, Sunday). You can set up to 4 or 2 stages per day.

## 6.3. Energy Consumption Display

View the energy consumption of the heating system over a period of time to track usage.

## 6.4. User Settings

Access the User Settings menu to make simple edits to the thermostat's basic functions:

- **Set Time:** Adjust the current time.
- **Set Date:** Adjust the current date (YY-MM-DD format).
- **Child Lock:** Lock all keys to prevent settings from being changed. To unlock, long-press the Up

key on the Home page.

- **Set Power of Heating Wire Load:** Configure the wattage of the connected heating wire.
- **Set Backlight Brightness:** Adjust the display backlight intensity.
- **Set Language:** Choose between English and other available languages.
- **Set Daylight Saving Time:** Enable or disable automatic adjustment for daylight saving.
- **Set Backlight Timeout Duration:** Adjust how long the backlight stays on.
- **Technical Support:** Displays a QR code for support information.
- **Switch LED Display On/Off:** Control the LED indicator for heating status.
- **Restore User Settings to Default:** Reset all user-configured settings.

## 6.5. Advanced Settings

Access these settings with caution, referring to the manual for detailed explanations:

- **Adaptive Function:** Allows the thermostat to start operating ahead of schedule to reach the programmed temperature on time.
- **Window Detection:** Automatically pauses heating if a sudden temperature drop (e.g., open window) is detected.
- **Set Sensor Type:** Choose the type of sensor used (e.g., Room, Floor, Room/Floor Protection).
- **Floor Temperature Compensation:** Adjusts the floor temperature reading if there's a discrepancy with the actual temperature.
- **Room Temperature Compensation:** Adjusts the room temperature reading if there's a discrepancy with the actual temperature.
- **Floor Temperature Limitation:** Sets a maximum floor temperature, especially useful in Room/Floor Protection mode.
- **Select Thermostat Location:** Choose between 'Home' (four program stages) or 'Office' (two program stages) modes.
- **Restore Advanced Settings to Default:** Resets all advanced settings to factory defaults.

## 7. MAINTENANCE

- Clean the touchscreen with a soft, damp cloth. Avoid abrasive cleaners or solvents.
- Ensure the thermostat's vents are clear of dust and debris for proper operation.
- Regularly test the GFCI function by pressing the 'TEST' button (if available on your model) and then 'RESET'.

## 8. TROUBLESHOOTING

Problem	Possible Cause	Solution
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Problem	Possible Cause	Solution
Thermostat not powering on	No power supply; loose wiring; tripped circuit breaker.	Check circuit breaker; verify wiring connections; consult an electrician.
Heating not activating	Incorrect mode selected; set temperature too low; sensor issue.	Ensure Auto or Manual mode is active; increase set temperature; check sensor connection.
Inaccurate temperature reading	Sensor calibration needed; sensor placement issue.	Use Floor/Room Temperature Compensation in Advanced Settings; ensure sensor is correctly placed.
Child Lock engaged	Keys are locked.	Long-press the Up key on the Home page to unlock.
GFCI trips frequently	Ground fault detected in heating system.	Consult a qualified electrician to inspect the heating system for ground faults.

## 9. SPECIFICATIONS




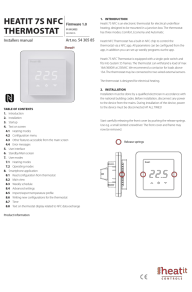


- **Brand:** HEATIT
- **Model Name:** ET-7A
- **Product Dimensions:** 5.91"D x 4.72"W x 2.36"H
- **Controller Type:** Touchscreen
- **Special Feature:** Programmable, GFCI built-in
- **Temperature Control Type:** Digital
- **Included Components:** Temperature Sensor
- **Power Source:** Corded Electric
- **Voltage:** 120V/240V (Dual Voltage)
- **Display Type:** 3.5-inch Color Capacitive Touchscreen with Backlight
- **Mounting Type:** Wall Mount
- **Item Weight:** 14.9 ounces
- **Connectivity Protocol:** None (Non-WiFi version)
- **Approvals:** ETL approved

## 10. WARRANTY AND SUPPORT

For warranty information and technical support, please refer to the contact details provided in your product packaging or visit the official HEATIT website. Keep your purchase receipt as proof of purchase.



## Related Documents - ET-7A

	<p><a href="#">HEATIT ET-72 Digital Programmable Thermostat User Manual</a></p> <p>Comprehensive user manual for the HEATIT ET-72 digital programmable thermostat, detailing installation, operation, programming, settings, and troubleshooting for floor heating systems.</p>
	<p><a href="#">HEATIT ET-72/ET-72G/ET-72GW Thermostat User Manual - Floor Heating Control</a></p> <p>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.</p>
	<p><a href="#">Heatit Z-TRM3 Installer's Manual: Z-Wave Plus Thermostat for Floor Heating</a></p> <p>A comprehensive installer's manual for the Heatit Z-TRM3, a Z-Wave Plus certified electronic thermostat designed for electrical floor heating. This guide covers installation, setup, programming, sensor choices, and configuration parameters for seamless integration into smart home automation systems.</p>
	<p><a href="#">Heatit 7S NFC Thermostat Installer's Manual - Installation and Operation Guide</a></p> <p>Comprehensive installer's manual for the Heatit 7S NFC thermostat, covering installation, setup, user modes, and smartphone application control via NFC.</p>
	<p><a href="#">Heatit WiFi Thermostat Installer's Manual: Installation, Features, and Technical Specifications</a></p> <p>Comprehensive installer's manual for the Heatit WiFi Thermostat, detailing installation, features, operation modes, WiFi settings, and technical specifications for underfloor heating systems.</p>
	<p><a href="#">Heatit WiFi6 Thermostat - Installers Manual &amp; Technical Guide</a></p> <p>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.</p>