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## **HEATIT ET-72**

# **HEATIT ET-72 Digital Programmable Thermostat User Manual**

For Floor Heating Systems

## **1. INTRODUCTION**

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The HEATIT ET-72 is a digital programmable thermostat designed for electric floor heating systems. It features a large LCD display for clear temperature and schedule viewing, and offers advanced programming options to optimize energy consumption and comfort. This manual provides detailed instructions for the safe installation, operation, and maintenance of your ET-72 thermostat.

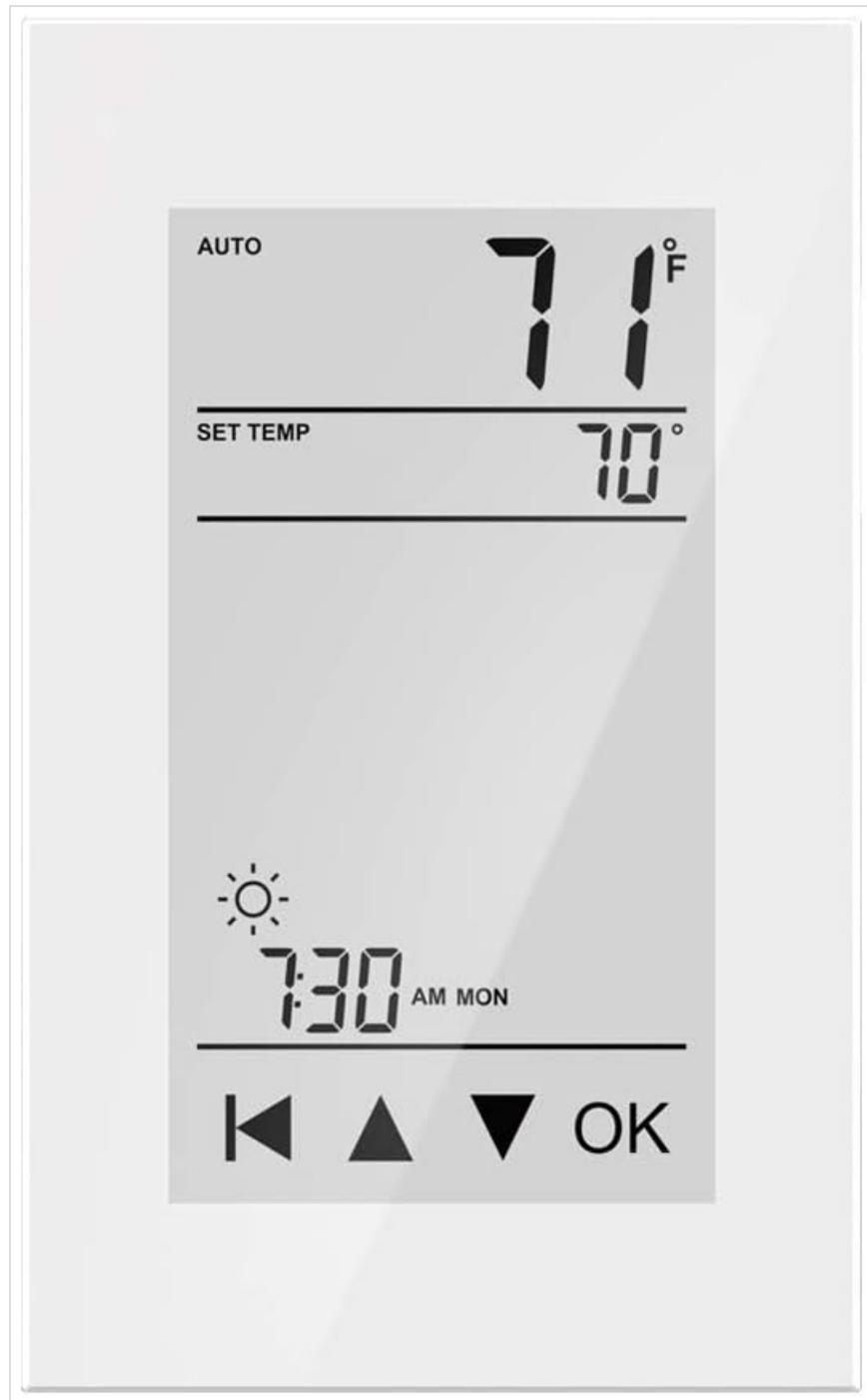


Figure 1: Front view of the HEATIT ET-72 Digital Programmable Thermostat, displaying current temperature, set temperature, time, and day.

## 2. SAFETY INFORMATION

Please read all instructions carefully before installation and operation. Improper installation or use can lead to electrical shock, fire, or damage to the thermostat and heating system. All wiring should be performed by a qualified electrician in accordance with local electrical codes.

- Disconnect power at the circuit breaker before installing or servicing the thermostat.
- The ET-72 is designed for 120V/240V systems up to 15A. Ensure your system's voltage and current are compatible.
- The thermostat includes a built-in Class A GFCI (Ground Fault Circuit Interrupter) for protection against electric shock. Test the GFCI monthly as instructed in the Maintenance section.
- Do not immerse the thermostat in water or expose it to excessive moisture.

## 3. SETUP AND INSTALLATION

### 3.1 Package Contents

- HEATIT ET-72 Thermostat Unit
- Floor Sensor
- Mounting Screws
- User Manual



Figure 2: Included components: thermostat, manual, floor sensor, and mounting hardware.

### 3.2 Wiring Instructions

The ET-72 thermostat is designed for easy installation to control your floor heating system. It supports dual voltage 120V/240V. Refer to the wiring diagram below and consult a qualified electrician for proper installation.

1. Turn off power to the heating circuit at the main electrical panel.
2. Connect the Line (L1, L) wires from your power supply to the corresponding terminals on the thermostat.
3. Connect the Load (N, L) wires from your floor heating system to the corresponding terminals on the thermostat.
4. Connect the floor sensor wires to the IN/SNR terminals. Ensure proper polarity if specified.
5. Secure all connections firmly.

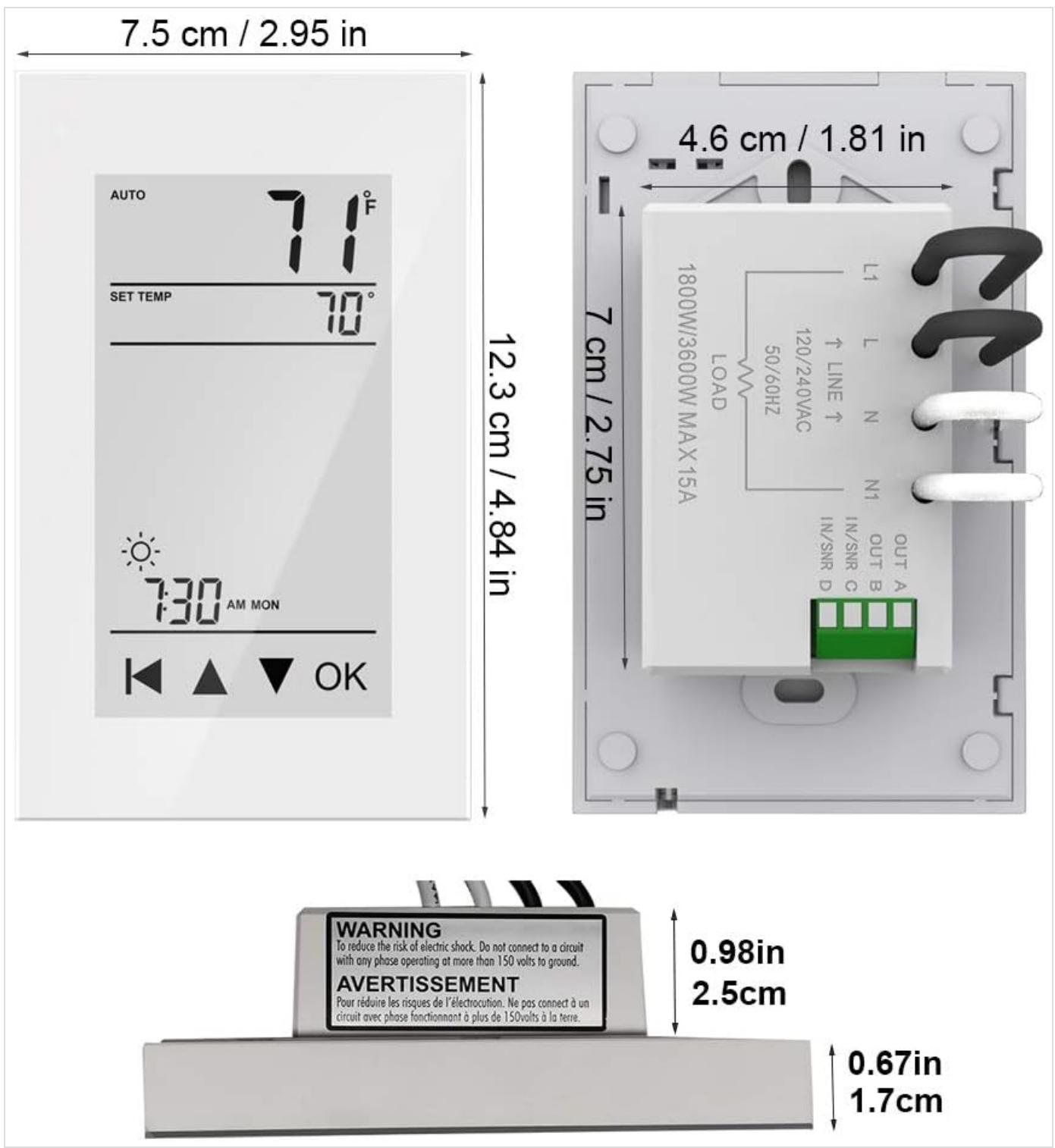


Figure 3: Thermostat dimensions and wiring diagram for Line, Load, and Sensor connections.

### 3.3 Mounting

Mount the thermostat in a standard electrical box using the provided screws. Ensure the thermostat is level and securely fastened to the wall.

## 4. OPERATING INSTRUCTIONS

### 4.1 Initial Power-Up and Display

After installation and restoring power, the thermostat's large LCD display will illuminate. It typically shows the current room temperature, the set temperature, the current time, and the day of the week. Use the touch controls (left arrow, up arrow, down arrow, OK) located at the bottom of the display to navigate menus and adjust settings.

## 4.2 Setting Time and Day

Access the settings menu to adjust the current time and day. Follow the on-screen prompts, using the up/down arrows to change values and the OK button to confirm.

## 4.3 Programming the 7-Day Schedule

The ET-72 allows for a 7-day programmable schedule with 4 or 2 stages per day. This feature enables you to set different temperatures for various times of the day and days of the week, optimizing comfort and energy efficiency.

1. Enter the programming mode via the menu.
2. Select the day or group of days you wish to program.
3. For each stage (e.g., Wake, Leave, Return, Sleep), set the desired start time and temperature.
4. Confirm settings for each stage and day.

## 4.4 Sensor Applications

The thermostat offers three sensor application modes:

- **Room:** Controls room temperature based solely on the built-in sensor.
- **Floor:** Controls the floor temperature based solely on the external floor sensor.
- **Room.Limit:** Controls the room temperature based on the built-in sensor while simultaneously monitoring the floor temperature to ensure it does not exceed a user-defined upper limit. This mode provides both ambient comfort and floor protection.

Select the appropriate sensor mode from the thermostat's settings menu based on your heating system configuration and preferences.

## 5. MAINTENANCE

### 5.1 Monthly GFCI Test

It is crucial to test the built-in GFCI function monthly to ensure proper operation and continued protection against electric shock. Follow these steps:

1. Press the 'TEST' button on the thermostat. The GFCI should trip, and the power to the heating system should cut off.
2. Press the 'RESET' button to restore power.
3. If the GFCI does not trip or reset correctly, discontinue use and contact a qualified electrician immediately.

### 5.2 Cleaning

Clean the thermostat's display and casing with a soft, damp cloth. Do not use abrasive cleaners or solvents, as these can damage the surface.

## 6. TROUBLESHOOTING

If you encounter issues with your HEATIT ET-72 thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
Thermostat display is blank	No power, tripped circuit breaker, or loose wiring.	Check circuit breaker. Ensure all wiring connections are secure.
GFCI trips frequently	Ground fault in the heating system or thermostat.	Perform GFCI test. If it continues to trip, consult a qualified electrician to inspect the heating system and wiring.

Problem	Possible Cause	Solution
Error Code E2 (Faulty Probe)	Floor sensor is disconnected or damaged.	Check the floor sensor connections. If the error persists, the sensor may need replacement.
Incorrect temperature readings	Sensor placement issues or calibration needed.	Ensure sensors are correctly placed and not obstructed. Refer to advanced settings for calibration if available.
Heating system not responding	Thermostat in OFF mode, programming error, or system fault.	Verify thermostat is in an active heating mode. Check programmed schedule. Ensure GFCI is not tripped.

If the problem persists after attempting these solutions, please contact customer support.

## 7. SPECIFICATIONS

Feature	Specification
Brand	HEATIT
Model Name	ET-72
Controller Type	Touch
Special Feature	Programmable
Voltage	120V/240V
Max Amperage	15A
GFCI Protection	Built-in Class A
Display Type	LCD
Programming	7-day, 4 or 2 stages per day
Sensor Applications	Room, Floor, Room.Limit
Mounting Type	Wall Mount
Item Weight	15.5 ounces
Package Dimensions	6.18 x 4.8 x 2.4 inches
Certification	ETL Approved

## 8. WARRANTY INFORMATION

The HEATIT ET-72 Digital Programmable Thermostat comes with a **4-year limited warranty**. This warranty covers defects in materials and workmanship under normal use. Please retain your proof of purchase for warranty claims. For specific terms and conditions, refer to the warranty documentation included with your product or contact customer support.

## 9. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or warranty inquiries, please contact HEATIT customer support. Refer to the contact information provided in your product packaging or visit the official HEATIT website.

**Online Resources:** Visit the HEATIT Store on Amazon