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› [Honeywell TL7235A1003 Line Volt Pro Non-Programmable Digital Thermostat User Manual](#)

## Honeywell TL7235A1003

# Honeywell TL7235A1003 Line Volt Pro Non-Programmable Digital Thermostat User Manual

MODEL: TL7235A1003

## 1. Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your Honeywell TL7235A1003 Line Volt Pro Non-Programmable Digital Thermostat. This thermostat is designed for precise electronic temperature control of 240-Volt heating systems. Please read this manual thoroughly before installation and use to ensure proper function and safety.

## 2. Safety Information

**WARNING:** This device operates with high voltage (240 VAC). Improper installation can result in electric shock, fire, or damage to the thermostat and heating system. Always turn off power at the main service panel before installing or servicing this thermostat. Installation should be performed by a qualified electrician or a trained, experienced technician. Adhere to all local electrical codes.

- Turn off power to the heating system at the circuit breaker before beginning installation.
- Ensure all wiring connections are secure and comply with local electrical codes.
- Do not use this thermostat for applications other than those specified (240-Volt heating systems).
- Keep the thermostat dry and away from water sources.

## 3. Features

The Honeywell TL7235A1003 thermostat offers the following key features:

- **On-Demand Backlight:** Provides easy readability of the display in various lighting conditions.
- **Soundproof Operation:** Designed to reduce audible clicking noises often associated with conventional thermostats.
- **Heating Indicator:** A visual icon on the display confirms when the heating system is active.
- **Digital Display:** Clear LCD screen shows the current temperature.
- **Non-Programmable:** Simple manual temperature setting without complex scheduling.

## 4. Installation

Proper installation is critical for the safe and efficient operation of your thermostat. Refer to the safety information before proceeding.

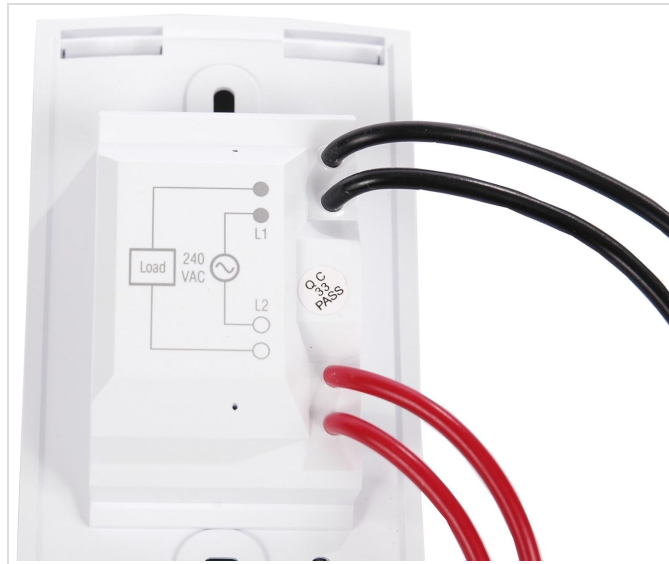
#### 4.1 Mounting Location

- Install the thermostat on an interior wall, approximately 5 feet (1.5 meters) above the floor.
- Avoid locations near windows, air vents, or doors that may affect temperature readings.
- Do not install near heat-generating appliances or direct sunlight.

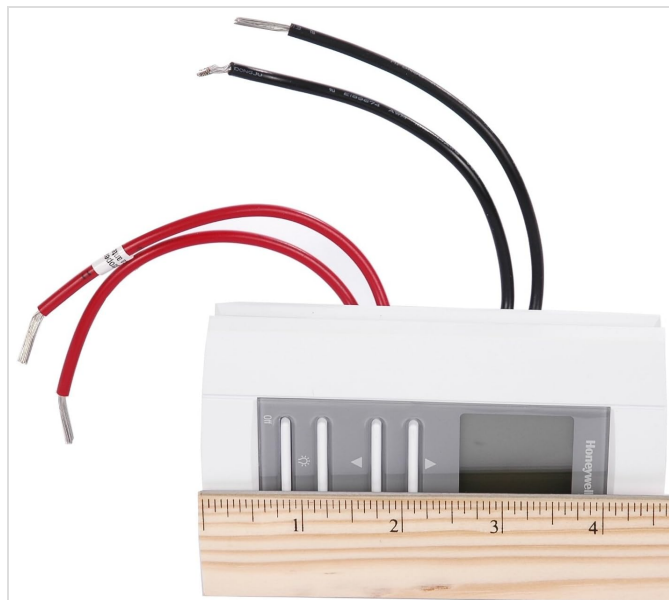
#### 4.2 Wiring Instructions

This thermostat is designed for 240-Volt line voltage heating systems. It uses a DPST (Double-Pole Single-Throw) switch type. Ensure the power is OFF at the circuit breaker before wiring.

1. Turn off power to the heating circuit at the main electrical panel. Verify power is off using a voltage tester.
2. Remove the old thermostat, if applicable, and disconnect its wires.
3. Connect the two incoming 240V power wires (L1 and L2) to the corresponding thermostat terminals.
4. Connect the two wires leading to your heating load (e.g., baseboard heater) to the remaining thermostat terminals.
5. Secure all wire connections with appropriate wire nuts or connectors.
6. Mount the thermostat to the wall electrical box.



**Figure 1:** Rear view with 240V wiring diagram. Connect incoming power to L1 and L2, and heating load to the other two terminals.



**Figure 2:** Example of wiring connections for the thermostat.

After installation, restore power at the main service panel.

## 5. Operation

The Honeywell TL7235A1003 is a non-programmable thermostat, offering straightforward manual control of your heating system.



**Figure 3:** Front view of the thermostat with digital display.

### 5.1 Power On/Off

- Locate the On/Off switch on the front panel of the thermostat.
- Slide the switch to the **On** position to activate the thermostat and heating system.
- Slide the switch to the **Off** position to turn off the heating system.

### 5.2 Setting the Temperature

- Use the **Up (▲)** and **Down (▼)** arrow buttons on the front panel to adjust the desired temperature.
- The digital display will show the set temperature as you adjust it. After a few seconds, it will revert to displaying the current room temperature.

### 5.3 Backlight Activation

- Press the **light bulb icon button** to activate the display backlight for improved visibility in low-light conditions.

- The backlight will remain on for a short period and then automatically turn off.

## 5.4 Heating Indicator

- When the heating system is active, a heating indicator icon (often a flame or wavy lines) will appear on the digital display.
- This icon confirms that the thermostat is calling for heat.



**Figure 4:** Control panel with buttons for temperature adjustment, backlight, and power.

## 6. Maintenance

The Honeywell TL7235A1003 thermostat requires minimal maintenance.

- **Cleaning:** Gently wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **No User-Serviceable Parts:** The thermostat contains no user-serviceable parts. Do not attempt to open or repair the unit yourself. Refer to qualified personnel for any issues beyond basic operation.

## 7. Troubleshooting

If you experience issues with your thermostat, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Thermostat display is blank.	No power to the thermostat.	Check the circuit breaker for the heating system. Ensure the thermostat's On/Off switch is in the 'On' position.
Heating system not turning on.	Thermostat set below room temperature; Power off; Wiring issue.	Increase the set temperature above the current room temperature. Verify the On/Off switch is 'On'. Check wiring connections (ensure power is off first).
Inaccurate temperature reading.	Thermostat location affected by drafts or heat sources.	Ensure the thermostat is not exposed to direct sunlight, drafts, or heat-generating appliances.
Thermostat makes clicking noise.	Normal operation for some thermostats.	This model features 'Soundproof Operation' to minimize clicking. If excessive, consult a professional.

If problems persist after attempting these solutions, contact a qualified electrician or Honeywell customer support.

## 8. Specifications

<b>Brand</b>	Honeywell
<b>Model Name</b>	TL7235A1003
<b>Product Dimensions (D x W x H)</b>	0.75" x 2.75" x 4.77" (1.9 cm x 7 cm x 12.1 cm)
<b>Controller Type</b>	Button Control
<b>Special Feature</b>	Auto Changeover (Note: Primarily for heating application)
<b>Color</b>	White
<b>Specific Uses For Product</b>	Heating (e.g., Baseboard Heaters)
<b>Temperature Control Type</b>	Heating
<b>Included Components</b>	Thermostat unit with On/Off switch, Heating indicator, Temperature Sensor
<b>Power Source</b>	AC (240 VAC)
<b>Item Weight</b>	7.2 ounces (204 grams)
<b>Display Type</b>	Digital LCD
<b>Screen Size</b>	2.75 Inches
<b>Mounting Type</b>	Wall Mount
<b>Backlight</b>	Yes (On-Demand)
<b>Specification Met</b>	UL, CSA
<b>Wattage</b>	Up to 3600 Watts (15 Amps @ 240VAC)
<b>UPC</b>	085267262583
<b>Batteries Required?</b>	No
<b>Control Range</b>	40 to 86 °F (4.5 to 30 °C)
<b>Differential</b>	1 °F (0.5 °C)

## 9. Warranty and Support

This Honeywell TL7235A1003 thermostat comes with a **5-year limited warranty** from the date of purchase. Please retain your proof of purchase for warranty claims.

For technical assistance, troubleshooting beyond this manual, or warranty inquiries, please contact Honeywell customer support. You can typically find support contact information on the official Honeywell website or within the product packaging.

For more information, visit the official [Honeywell Home website](#).

