

Stelpro SIBT2W

Stelpro SIBT2W Built-in Double Pole Mechanical Thermostat Instruction Manual

MODEL: SIBT2W | BRAND: STELPRO

1. Introduction

The Stelpro SIBT2W is a built-in double-pole mechanical thermostat designed for precise temperature control in a wide range of electric heating applications. Compatible with systems operating between 120V and 600V, this thermostat is compatible with Stelpro's Brava electric baseboards and other similar heating systems. Its simple mechanical dial allows for easy and accurate adjustments, ensuring optimal comfort in both residential and commercial spaces. Constructed from durable materials, this thermostat is built to last, offering reliable performance and ease of use.

2. Safety Information

- **WARNING:** Risk of electric shock. Disconnect power at the main service panel before installing or servicing this product.
- Installation must be performed by a qualified electrician in accordance with local and national electrical codes.
- Do not use this thermostat with heating systems other than electric baseboard heaters.
- Ensure all wiring connections are secure and properly insulated.
- Keep the thermostat dry and away from water sources.

3. Product Overview

The Stelpro SIBT2W thermostat offers the following key features:

- **Wide Voltage Range:** Operates across 120V to 600V systems, providing flexibility for various heating applications.
- **Double Pole Disconnect:** Fully disconnects power to the heater when turned off, enhancing safety and energy savings in colder climates.
- **Compatibility:** Specifically designed for use with electric baseboards, particularly the Stelpro Brava

series.

- **Simple and Reliable:** Mechanical dial allows for straightforward temperature adjustments, ensuring consistent comfort.
- **Easy Installation:** Designed for quick and seamless integration into your heating system, suitable for residential and commercial use.

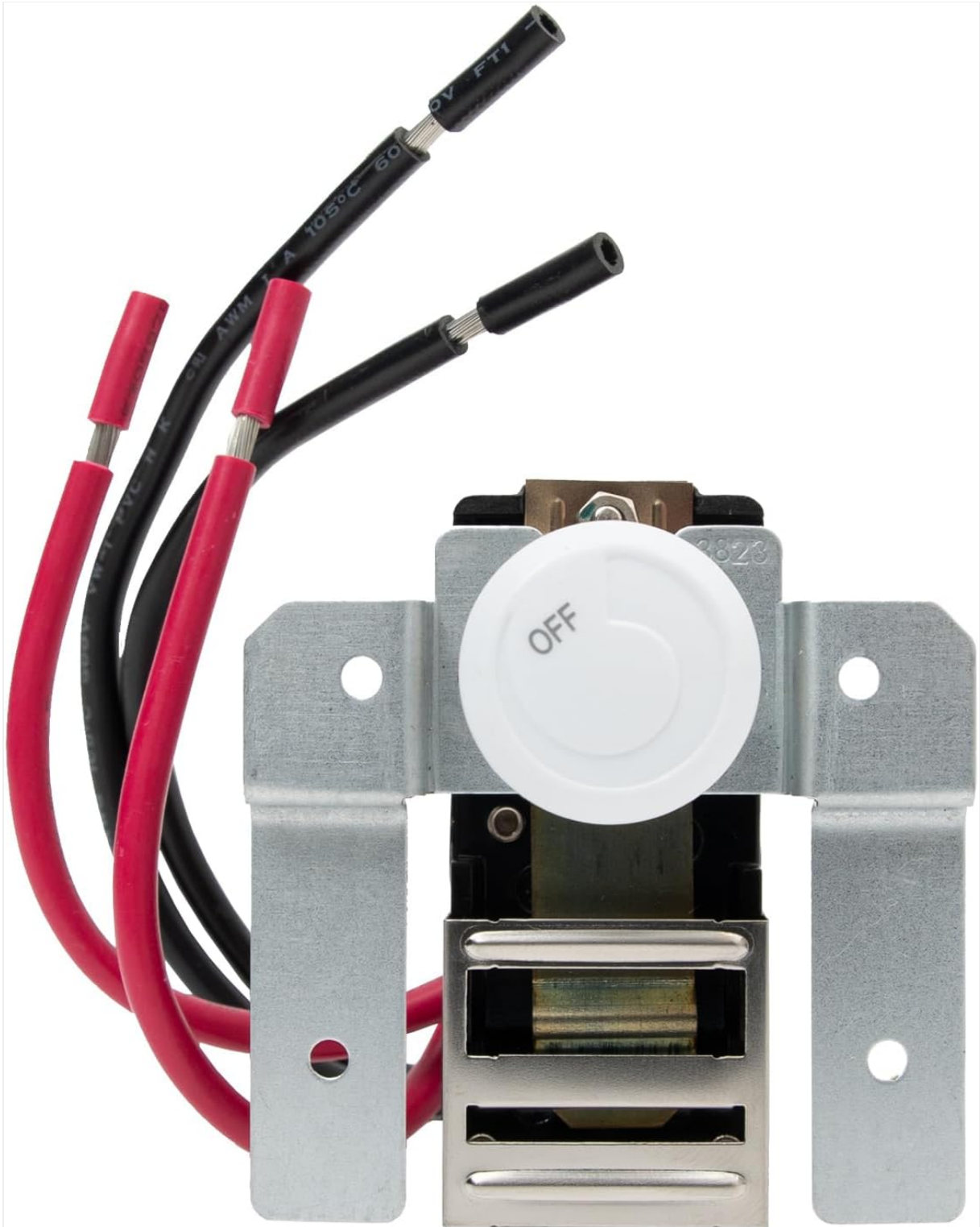


Figure 1: Front view of the Stelpro SIBT2W thermostat module. This image displays the front of the Stelpro SIBT2W thermostat module, highlighting the mechanical dial for temperature adjustment and the attached electrical wires for connection.

4. Installation

The Stelpro SIBT2W thermostat is designed for built-in installation within compatible electric baseboard heaters. Follow these general steps for installation. For detailed wiring diagrams and specific instructions, always refer to the manual included with your product and consult a qualified electrician.

1. **Disconnect Power:** Before beginning any installation, turn off the power to the heating circuit at the main electrical panel. Verify that the power is off using a voltage tester.
2. **Access Heater Wiring:** Open the wiring compartment of your electric baseboard heater.
3. **Identify Wiring:** Determine the voltage of your heater. Typically, if the wires are black and white, your heater is likely 120V. If the wires are black and red (sometimes two black or two red), your heater is likely 240V or higher. For the safest results, consider consulting a qualified electrician if you're unsure.
4. **Connect Thermostat:** Connect the heater's load wires to the LOAD terminals on the thermostat. Connect the power supply wires to the POWER terminals on the thermostat. Ensure all connections are tight and secure.
5. **Mount Thermostat:** Secure the thermostat module within the baseboard heater's designated compartment using the provided screws.
6. **Close Compartment:** Replace the cover of the wiring compartment.
7. **Restore Power:** Turn the power back on at the main electrical panel.

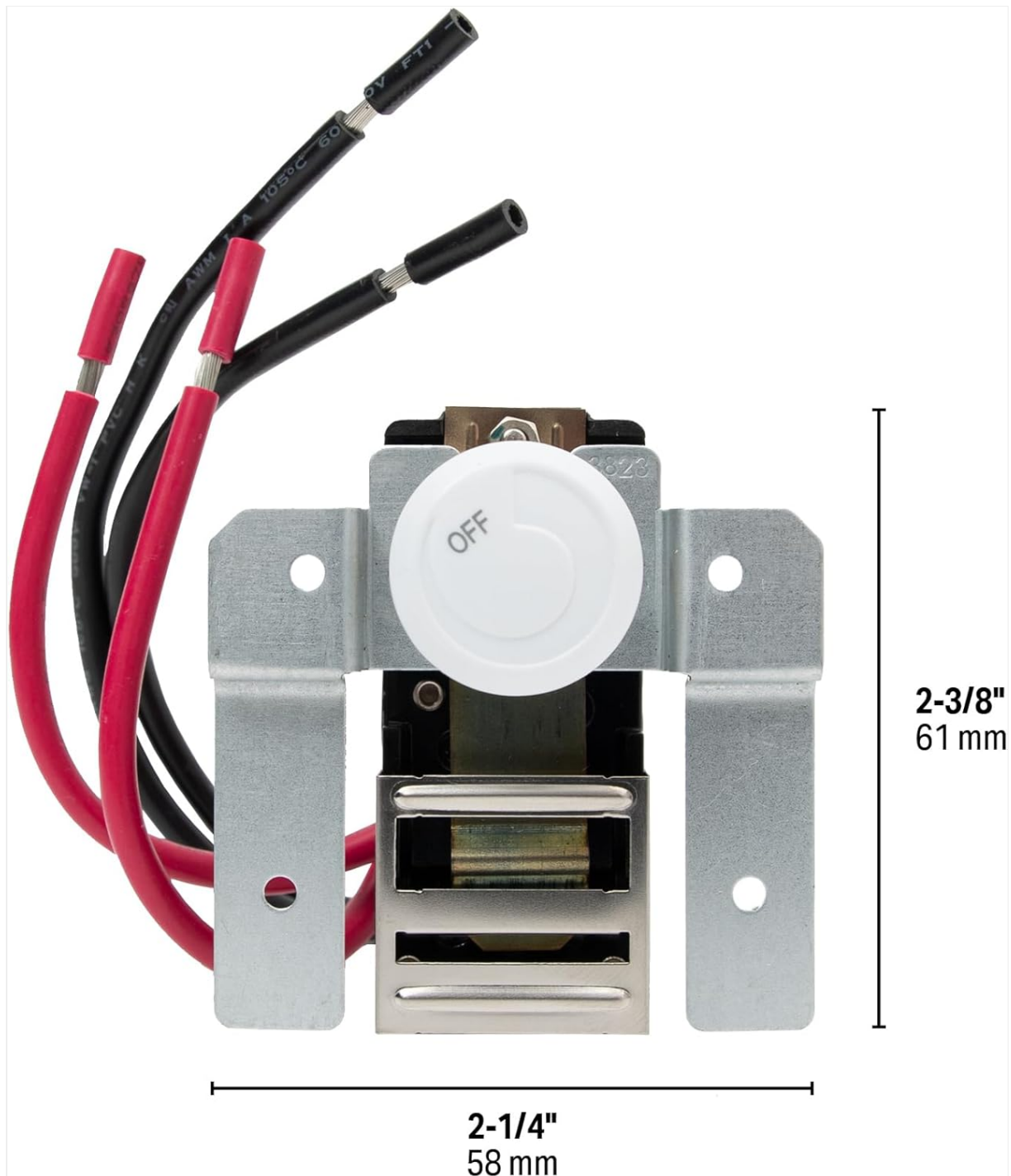


Figure 2: Side view of the Stelpro SIBT2W thermostat with dimensions. A side view of the Stelpro SIBT2W thermostat, including its approximate dimensions (2-3/8 inches / 61 mm height, 2-1/4 inches / 58 mm width), illustrating its compact design for built-in installation.

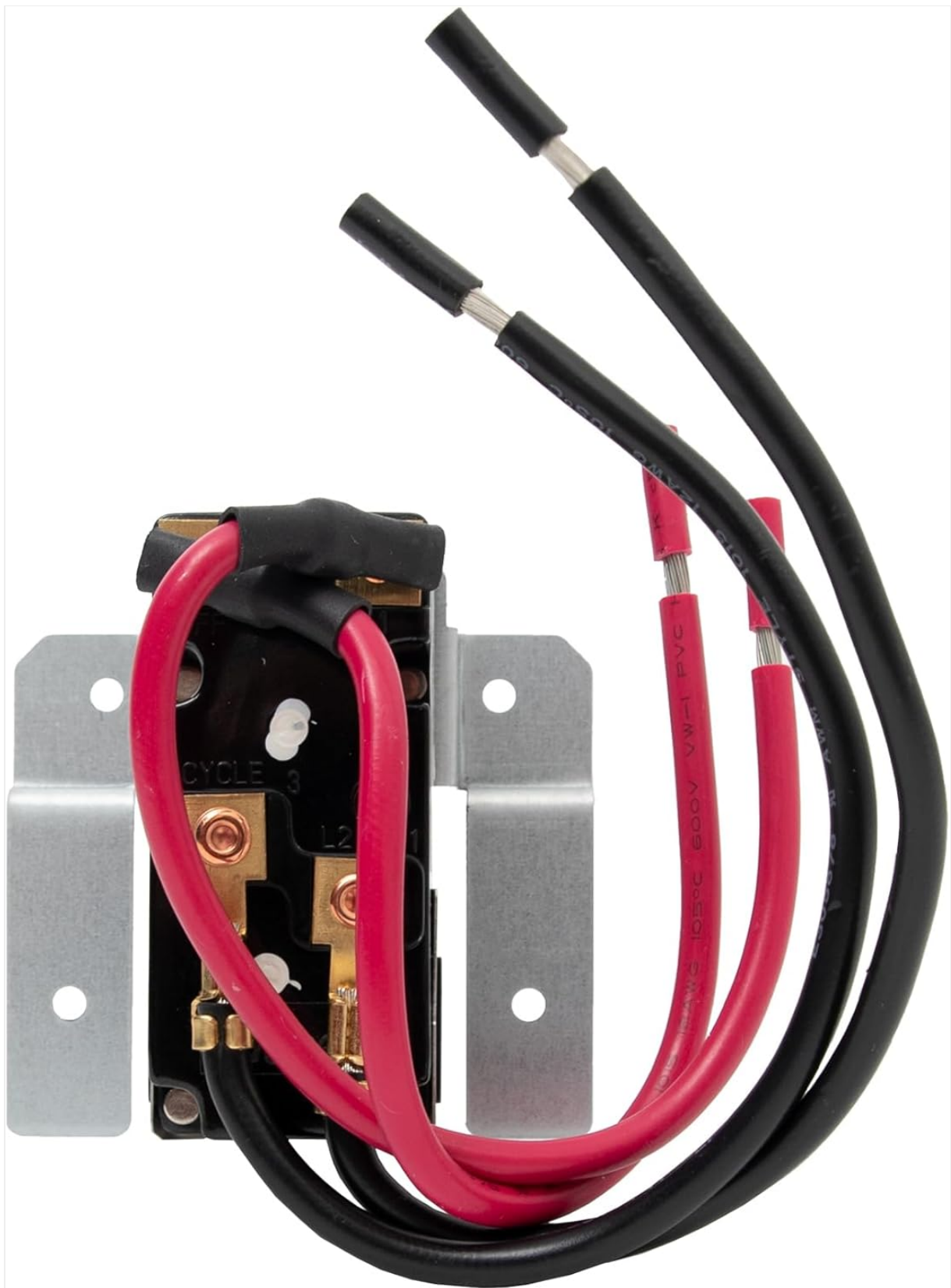


Figure 3: Rear view of the Stelpro SIBT2W thermostat. The back of the Stelpro SIBT2W thermostat is shown, detailing the L1, L2, and load terminals for electrical connections. This view is crucial for proper installation.

Video 1: General Thermostat Wiring Guidance. This video provides general guidance on determining heater voltage (120V vs. 240V) based on wiring colors (black/white for 120V, black/red for 240V) and offers basic wiring instructions for non-programmable thermostats. While featuring a YeloDeer brand thermostat, the principles discussed are applicable to similar mechanical baseboard heater thermostats like the Stelpro SIBT2W. Always consult a qualified electrician for specific installation needs.

5. Operation

The Stelpro SIBT2W thermostat features a straightforward mechanical dial for easy temperature control.

1. **Adjusting Temperature:** Rotate the dial clockwise to increase the desired temperature and counter-clockwise to decrease it.
2. **Off Position:** Turn the dial completely to the 'OFF' position to fully disconnect power to the baseboard heater. This is a double-pole disconnect, ensuring complete power cut-off for enhanced safety and energy savings.
3. **Temperature Range:** The thermostat allows for temperature adjustments within a comfortable range, typically indicated on the dial.



Figure 4: Stelpro SIBT2W thermostat installed on a baseboard heater. This image demonstrates the Stelpro SIBT2W thermostat seamlessly integrated into a white Stelpro Brava electric baseboard heater, showcasing its discreet and functional appearance once installed.

6. Maintenance

To ensure optimal performance and longevity of your Stelpro SIBT2W thermostat and connected baseboard heater, regular maintenance is recommended.

- **Cleaning:** At least every 6 months, or as required, turn off power to the heater at the main disconnect panel. Wait for the element to cool. Gently clean the thermostat and the heater's grill with

a soft, damp cloth. Do not use abrasive cleaners or solvents.

- **Inspection:** Periodically inspect the thermostat and wiring for any signs of damage, wear, or loose connections. If any issues are found, disconnect power and consult a qualified electrician.
- **Do Not Lubricate:** Do not lubricate the thermostat's mechanical components or the heater's motor.

7. Troubleshooting

If you experience issues with your Stelpro SIBT2W thermostat, consider the following common troubleshooting steps:

- **No Heat:** Ensure the thermostat dial is set to a temperature above the current room temperature. Check that the power to the heater is on at the main electrical panel. Verify all wiring connections are secure.
- **Inconsistent Heating:** Ensure the thermostat is not obstructed by furniture or curtains, which can affect temperature readings. The thermostat should be located in an area with good air circulation.
- **High-Temperature Safety Shutoff:** All Stelpro heaters come with a built-in high-temperature safety shutoff that stops electricity flow if the heater gets too hot. If this occurs, turn off power, allow the heater to cool, and then restore power. If the issue persists, consult a qualified electrician.
- **Consult an Electrician:** For any persistent electrical issues or if you are unsure about wiring or repairs, always consult a qualified electrician.

8. Specifications

Feature	Specification
Brand	Stelpro
Model Name	THERMOSTAT BLANC 2P INTEGRE UGB ET B (120-600V)
Item Model Number	SIBT2W
Color	White
Voltage Compatibility	120-600 Volts
Wattage	2500 watts
Item Weight	4.9 ounces
Package Dimensions	12.68 x 4.65 x 2.13 inches
UPC	626296609965

9. Warranty and Support

For warranty information, technical support, or further assistance, please visit the official Stelpro website or contact their customer service. Stelpro is known for its comprehensive web presence and support resources.

