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Robertshaw 802 Line Voltage Thermostat Instruction Manual

PRODUCT OVERVIEW

About Your Robertshaw 802 Thermostat

The Robertshaw 802 is a heat-only line voltage thermostat designed for controlling heating systems. It operates within a temperature range of 50°F to 90°F (10°C to 32°C) and is compatible with 125V, 250V, and 277V double pole, 18-25 amp electrical systems. This thermostat is engineered for reliable temperature regulation in various heating applications, providing a straightforward control interface for maintaining desired room temperatures.



An image showing the front view of the Robertshaw 802 Line Voltage Thermostat, a beige rectangular unit with a temperature dial.

IMPORTANT SAFETY INFORMATION

Please read and understand all instructions before installing or operating this thermostat. Failure to follow these instructions could result in property damage, serious injury, or death.

- **Disconnect Power:** Always disconnect power to the heating system at the main fuse or circuit breaker panel before installing or servicing the thermostat.
- **Electrical Hazard:** This thermostat operates on line voltage (125V, 250V, 277V). Improper installation can lead to electrical shock.
- **Professional Installation Recommended:** Due to the line voltage nature, installation should be performed by a qualified electrician or a trained service technician.
- **Local Codes:** Ensure all wiring and installation procedures comply with local electrical codes and ordinances.
- **Do Not Exceed Ratings:** Do not use this thermostat with systems that exceed its specified voltage and amperage ratings.

INSTALLATION INSTRUCTIONS

Before You Begin

1. Ensure the power to the heating system is OFF at the main circuit breaker.
2. Carefully remove the old thermostat, noting the wiring connections. Label wires if necessary.
3. Unpack the new Robertshaw 802 thermostat and inspect for any damage.

Mounting the Thermostat

1. Select an appropriate location on an interior wall, away from drafts, direct sunlight, or heat sources.
2. Mount the thermostat base securely to the wall using the provided screws. Ensure it is level for aesthetic purposes.

Wiring

WARNING: Line voltage wiring can be hazardous. It is strongly recommended that a qualified electrician perform the wiring. Refer to the wiring diagram provided with the product packaging for specific connections. Generally, line voltage thermostats involve connecting the incoming power supply wires and the load wires (to the heating unit) to the appropriate terminals on the thermostat. This model is a double pole, meaning it breaks both sides of the 120V/240V/277V circuit.

1. Connect the incoming line voltage wires to the designated 'LINE' terminals.
2. Connect the wires leading to the heating appliance to the designated 'LOAD' terminals.
3. Ensure all connections are tight and secure.
4. Once wiring is complete, carefully attach the thermostat cover to the base.
5. Restore power to the heating system at the main circuit breaker.

OPERATING YOUR THERMOSTAT

Setting the Temperature

The Robertshaw 802 thermostat features a simple rotary dial for temperature adjustment. To set your desired temperature:

- Rotate the dial clockwise to increase the set temperature.
- Rotate the dial counter-clockwise to decrease the set temperature.
- The thermostat will activate the heating system when the room temperature falls below your set point and deactivate it when the room temperature reaches the set point.

Understanding Heat Only Functionality

This thermostat is designed exclusively for heating systems. It does not provide cooling control. Ensure your heating system is operational and the thermostat is set to a temperature above the current room temperature for the heating to engage.

MAINTENANCE

Cleaning

- Periodically wipe the exterior of the thermostat with a soft, damp cloth.
- Do not use abrasive cleaners, solvents, or chemical sprays, as these can damage the thermostat's finish or internal components.

- Ensure no moisture enters the thermostat's internal components.

Periodic Checks

- Annually, inspect the thermostat for any visible signs of wear or damage.
- Ensure the thermostat is securely mounted to the wall.
- If you suspect any electrical issues, consult a qualified electrician.

TROUBLESHOOTING GUIDE

If you experience issues with your Robertshaw 802 thermostat, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No heat when thermostat is set above room temperature.	<ul style="list-style-type: none"> • No power to the heating system. • Thermostat wiring issue. • Heating system malfunction. 	<ul style="list-style-type: none"> • Check circuit breaker or fuse for the heating system. • Verify thermostat wiring connections (consult an electrician). • Contact a heating system technician.
Thermostat does not turn off heating.	<ul style="list-style-type: none"> • Thermostat set too high. • Thermostat malfunction. 	<ul style="list-style-type: none"> • Lower the set temperature. • If problem persists, thermostat may need replacement (consult an electrician).
Inaccurate temperature reading.	<ul style="list-style-type: none"> • Thermostat location affected by drafts or heat sources. • Thermostat sensor issue. 	<ul style="list-style-type: none"> • Ensure thermostat is not in direct sunlight, near vents, or appliances. • If problem persists, thermostat may need replacement.

SPECIFICATIONS

- **Brand:** Robertshaw
- **Model Number:** 802
- **Controller Type:** Push Button / Rotary Dial
- **Special Feature:** Heat Only
- **Temperature Control Type:** Heating
- **Voltage:** 125V, 250V, 277V
- **Amperage:** 18-25 Amps
- **Temperature Range:** 50°F - 90°F (10°C - 32°C)
- **Switch Type:** Double Pole, Single Throw (DPST)
- **Shape:** Rectangular
- **Backlight:** No

- **Item Weight:** 12.8 ounces
- **Product Dimensions:** 1 x 2 x 3 inches
- **UPC:** 703765960328

WARRANTY AND SUPPORT

For specific warranty information regarding your Robertshaw 802 Line Voltage Thermostat, please refer to the documentation included with your purchase or visit the official Robertshaw website. For technical support, troubleshooting assistance beyond this manual, or to inquire about replacement parts, please contact Robertshaw customer service directly.

Contact information for Robertshaw can typically be found on their official website or on the product packaging.