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› White-Rodgers 1E30N-910 Mercury Free Mechanical Thermostat User Manual

## White-Rodgers 1E30N-910

# White-Rodgers 1E30N-910 Mercury Free Mechanical Thermostat User Manual

## INTRODUCTION

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Thank you for choosing the White-Rodgers 1E30N-910 Mercury Free Mechanical Thermostat. This manual provides detailed instructions for the proper installation, operation, and maintenance of your new thermostat. Please read all instructions carefully before beginning installation or operation to ensure safe and efficient use.

## SAFETY INFORMATION

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Always observe the following safety precautions to prevent personal injury or damage to the thermostat and heating system:

- **Turn off power:** Always disconnect power to the heating system at the main fuse or circuit breaker panel before installing or servicing the thermostat.
- **Electrical wiring:** All wiring must conform to local electrical codes and ordinances. If you are unsure about any part of the installation, consult a qualified electrician or HVAC technician.
- **Mercury-free:** This thermostat is mercury-free. Dispose of old thermostats containing mercury according to local regulations.
- **Voltage:** This thermostat is designed for 30 Volts systems. Do not use it with line voltage systems (120/240V).

## PRODUCT OVERVIEW AND COMPONENTS

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The White-Rodgers 1E30N-910 is a reliable mechanical thermostat designed for simple and accurate temperature control. It features a manual knob for setting the desired temperature and is built with a bimetal thermometer for precise readings.

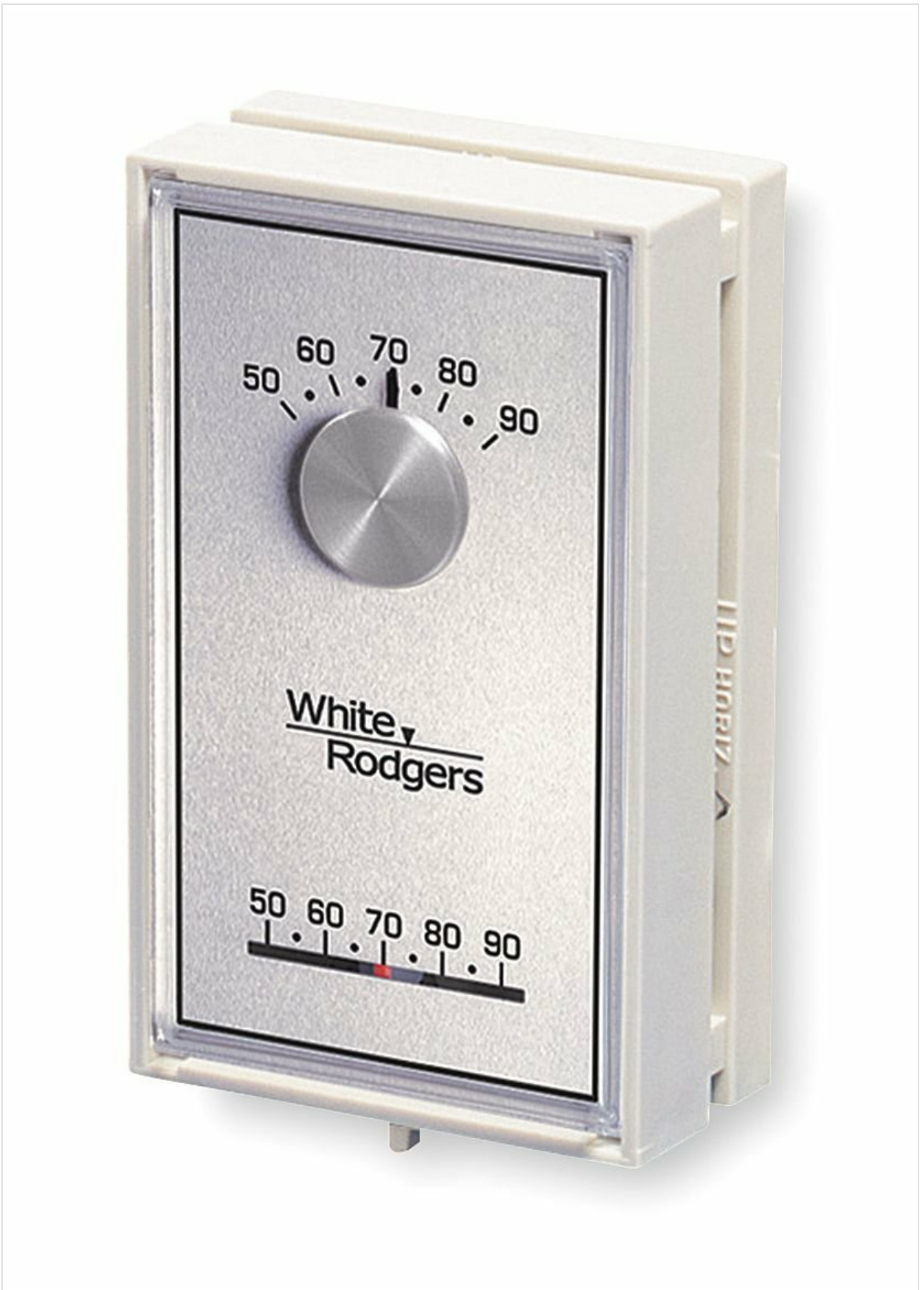


Image: White-Rodgers 1E30N-910 Mercury Free Mechanical Thermostat, showing its compact design and manual control knob.

**Included Components:**

- 1E30N-910 Thermostat Unit

- Mounting Hardware (screws)
- Installation Instructions (this manual)

## INSTALLATION

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Follow these steps carefully to install your new thermostat.

1. **Turn Off Power:** Locate the main fuse or circuit breaker panel for your heating system and turn off the power. This is a critical safety step.
2. **Remove Old Thermostat:**
  - Carefully remove the cover of your old thermostat.
  - Note the wire connections. Typically, mechanical thermostats use two wires: 'R' (Red) for power and 'W' (White) for heating. If you have more wires, consult your system's manual or a professional.
  - Label each wire with its corresponding terminal designation (e.g., 'R', 'W') using tape.
  - Disconnect the wires and remove the old thermostat's mounting plate from the wall.
3. **Mount the New Thermostat Base:**
  - Position the new thermostat's mounting plate on the wall where the old thermostat was located. Ensure it is level for accurate temperature readings.
  - Mark the locations for the mounting screws through the holes in the base.
  - Drill pilot holes if necessary (for plaster or masonry walls, use wall anchors).
  - Secure the mounting plate to the wall using the provided screws.
4. **Wire the Thermostat:**
  - Connect the 'R' wire to the 'R' terminal on the new thermostat.
  - Connect the 'W' wire to the 'W' terminal on the new thermostat.
  - Ensure all wire connections are secure and no bare wire is touching other terminals or the wall.
5. **Attach Thermostat Body:**
  - Carefully align the thermostat body with the mounting plate.
  - Snap or screw the thermostat body onto the mounting plate, ensuring it is firmly in place.
6. **Restore Power:** Return to your main fuse or circuit breaker panel and restore power to your heating system.

## OPERATION

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Your White-Rodgers 1E30N-910 thermostat is designed for straightforward operation.

1. **Setting the Temperature:**
  - Locate the manual temperature control knob on the front of the thermostat.
  - Rotate the knob clockwise to increase the desired temperature or counter-clockwise to decrease it.
  - The bimetal thermometer will indicate the current room temperature, and the system will activate when the room temperature falls below your set point.
2. **System Mode Selection:**
  - This thermostat typically features a simple slide switch for system mode.
  - Slide the switch to 'HEAT' for heating operation.
  - Slide the switch to 'OFF' to turn off the heating system.

## MAINTENANCE

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Your thermostat requires minimal maintenance to ensure continued accurate performance.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Avoid Obstructions:** Ensure that the thermostat is not blocked by furniture, curtains, or other objects that could interfere with its ability to sense room temperature accurately.
- **No Lubrication:** The thermostat is factory-lubricated and requires no additional lubrication.

## TROUBLESHOOTING

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If you experience issues with your thermostat, refer to the following table for common problems and solutions.

Problem	Possible Cause	Solution
Heating system does not turn on.	No power to the system. Thermostat set too low. Loose wiring.	Check circuit breaker/fuse. Increase set temperature. Check wiring connections (ensure power is off first).
Heating system runs continuously.	Thermostat set too high. Thermostat malfunction.	Decrease set temperature. If problem persists, contact support.
Inaccurate temperature reading.	Thermostat location. Air drafts.	Ensure thermostat is not in direct sunlight or near heat sources/drafts.

## SPECIFICATIONS

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Feature	Detail
Model Number	1E30N-910
Brand	White-Rodgers
Temperature Control Type	Manual (Knob)
Special Feature	Built-in Bimetal Thermometer, Enclosed Snaps, Mercury Free
Color	White
Voltage	30 Volts
Display Type	LCD
Screen Size	4.5 Inches
Shape	Rectangular
Unit Count	1.0 Count

Feature	Detail
GTIN / UPC	696505436453

## WARRANTY AND SUPPORT

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The White-Rodgers 1E30N-910 Mercury Free Mechanical Thermostat comes with a **5-Year Warranty**, ensuring peace of mind regarding its quality and durability.

For technical assistance, troubleshooting beyond this manual, or warranty claims, please contact White-Rodgers customer support. Refer to the product packaging or the official White-Rodgers website for the most current contact information.

**Online Resources:** For additional support and product information, visit the official White-Rodgers website.