Emerson 1E30N-910

Emerson 1E30N-910 Low V Mechanical Thermostat User Manual

Model: 1E30N-910 | Brand: Emerson

Introduction

The Emerson 1E30N-910 is a low voltage mechanical thermostat designed for simple and reliable temperature control. This thermostat is compatible with a variety of heating systems, including heat-only systems, millivolt systems, and conventional oil, electric, or gas systems. Its robust mechanical design ensures durability and straightforward operation.

Key Features

- Compatible with heat only systems, millivolt systems, and conventional oil/electric/gas systems.
- Operating temperature range of 50 to 90 degrees Fahrenheit.
- Resistant to vibration for enhanced durability.
- Designed for mounting directly to a wall or standard junction box.
- Classic white color and mechanical dial control for ease of use.
- Operates on 24 Volts.

Setup and Installation

Proper installation is crucial for the optimal performance of your thermostat. It is recommended that installation be performed by a qualified technician if you are unfamiliar with electrical wiring.

Mounting

The 1E30N-910 thermostat can be mounted directly to a wall or a standard junction box. Ensure the mounting surface is flat and stable. The base dimensions are approximately 2.75 inches wide by 4.5 inches high, with mounting screws 3.25 inches apart on the vertical centerline.

Wiring

This thermostat is designed for low voltage (24V) systems and typically requires two wires for connection. Refer to the installation guide included with your thermostat for detailed wiring diagrams specific to your heating system type (heat only, millivolt, conventional oil/electric/gas).



Image: Front view of the Emerson 1E30N-910 Low V Mechanical Thermostat. It features a white rectangular casing with a central dial for temperature adjustment, marked with Fahrenheit degrees from 50 to 90. The "White-Rodgers" brand name is visible below the dial.

Operating Instructions

The Emerson 1E30N-910 thermostat offers straightforward manual temperature control.

Setting the Temperature

1. Locate the temperature dial on the front of the thermostat.

2. Rotate the dial clockwise to increase the desired temperature or counter-clockwise to decrease it.
3. The thermostat will activate your heating system when the room temperature falls below your set point and deactivate it when the set point is reached.

Temperature Range

The thermostat operates within a temperature range of 50 to 90 degrees Fahrenheit (10 to 32 degrees Celsius).

Heat Anticipator (Advanced)

This model includes a heat anticipator, a small resistor that helps fine-tune the heating cycle to prevent temperature overshoot and improve efficiency. The anticipator is typically calibrated in Amps. For millivolt systems, the anticipator should generally be set to 0 ohms (often corresponding to the 1.2A setting). Adjustments to the anticipator should only be made by a qualified technician, referring to the specific instructions in the full installation guide.

Maintenance

The Emerson 1E30N-910 thermostat requires minimal maintenance due to its mechanical design.

- **Cleaning:** Periodically wipe the exterior of the thermostat with a soft, damp cloth to remove dust and dirt. Do not use abrasive cleaners or solvents.
- **No Batteries:** This mechanical thermostat does not require batteries for operation.
- **Internal Components:** Do not attempt to lubricate or clean internal components. Any internal issues should be addressed by a qualified service professional.

Troubleshooting

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

Problem	Possible Cause	Solution
No Heat	Thermostat set too low; power issue to heating system; wiring issue.	Increase set temperature. Check circuit breaker for heating system. Verify wiring connections are secure (consult a professional if unsure).
Inaccurate Temperature Reading	Thermostat out of calibration; located near a heat source/draft.	Ensure thermostat is not exposed to direct sunlight, drafts, or heat sources. Calibration may be required by a qualified technician.
Heating System Cycles Too Frequently/Infrequently	Heat anticipator setting incorrect.	Consult the full installation guide for instructions on adjusting the heat anticipator, or contact a qualified technician.

If problems persist after attempting these steps, contact a qualified HVAC technician for assistance.

Specifications

Attribute	Detail
Brand	Emerson

Attribute	Detail
Model Name	1E30N-910
Product Dimensions	2.6"D x 3.8"W x 2.6"H
Controller Type	Hand Control
Special Feature	Low Voltage
Color	White
Specific Uses For Product	Air Conditioner, Boiler, Furnace, Heat Pump (Note: Compatible with heat only systems)
Temperature Control Type	Manual
Connectivity Technology	Wired
Included Components	Install Guide, Thermostat
Power Source	Electric
Item Weight	0.28 Pounds (approx. 4.5 ounces)
Voltage	24 Volts
Material	Plastic
Shape	Rectangular
Display Type	Manual
Control Type	Dial Control
Mounting Type	Wall Mount
Style	Mechanical, Classic
Batteries Required?	No

Warranty Information

For detailed warranty information regarding your Emerson 1E30N-910 thermostat, please refer to the official warranty documentation provided with your product at the time of purchase. You can also visit the official Emerson website or contact their customer support for the most current warranty terms and conditions.

Customer Support

If you require further assistance, technical support, or have questions not covered in this manual, please contact Emerson customer support. Contact details can typically be found on the product packaging, the official Emerson website, or within the full installation guide.
When contacting support, please have your product model number (1E30N-910) and any relevant purchase information readily available.

© 2025 Emerson. All rights reserved. This manual is for informational purposes only.

Ask a question about this manual

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. Privacy details.

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question