Emerson 1F80-361

White-Rodgers 1F80-361 Programmable Thermostat User Manual

Model: 1F80-361 | Brand: Emerson

Product Overview

The Emerson 1F80-361 is a single-stage programmable thermostat designed for residential heating and cooling systems. It offers flexible programming options, including 5+1+1 day scheduling with up to 4 periods per day, allowing for efficient energy management. This thermostat is compatible with gas, oil, or electric systems, and can be powered by batteries or hardwired.



Figure 1: White-Rodgers 1F80-361 Programmable Thermostat with LCD display and control buttons.

Setup and Installation

Installation of the White-Rodgers 1F80-361 thermostat is designed to be straightforward. It supports both battery-powered and hardwired configurations, offering flexibility for various home setups. For detailed wiring instructions, please refer to the comprehensive user manual available via the support section.

Battery Installation

The thermostat requires two AA batteries for operation. To install or replace batteries:

1. Gently pull the front cover of the thermostat forward to detach it from the wall plate.
2. Locate the battery compartment, typically at the top or back of the detached cover.
3. Insert two fresh AA alkaline batteries, ensuring correct polarity (+/-).
4. Carefully reattach the front cover to the wall plate, ensuring it clicks securely into place.

The thermostat is designed to retain program settings during power loss, including battery changes, due to permanent program retention memory.

Operating Instructions

The 1F80-361 thermostat features an intuitive interface for controlling your home's climate. The main display shows the current temperature and time, while dedicated buttons allow for easy adjustments and programming.

Setting Temperature

To adjust the desired temperature, use the **Up (▲)** and **Down (▼)** arrow buttons located next to the LCD display. Pressing these buttons will temporarily change the temperature setting. To maintain a constant temperature, press the **HOLD** button.

Fan and System Mode Selection

Control the fan operation and system mode using the dedicated switches:

- **Fan Switch:** Select **ON** for continuous fan operation or **AUTO** for the fan to run only when heating or cooling is active.
- **System Mode Switch:** Choose between **OFF**, **HEAT**, or **COOL** depending on your desired climate control. An **EMER** (Emergency Heat) option may also be available for specific systems.

Programming Schedules

The thermostat allows for programmable schedules to optimize energy usage. Use the **TIME**, **PRGM** (Program), **RUN**, and **HOLD** buttons to set and manage your daily and weekly temperature schedules. Refer to the full homeowner's guide for detailed programming instructions.

Maintenance

Regular maintenance ensures optimal performance and longevity of your thermostat.

Filter Change Reminder

The thermostat is equipped with a Filter Change Reminder feature. When activated, it will alert you when it's time to replace your HVAC system's air filter, promoting better air quality and system efficiency.

Cleaning

To clean the thermostat, gently wipe the exterior with a soft, damp cloth. Avoid using abrasive cleaners or solvents, as these can damage the display or casing.

Troubleshooting

If you encounter issues with your White-Rodgers 1F80-361 thermostat, consider the following basic troubleshooting steps:

- **No Display/Power:** Check if the batteries are correctly installed and have sufficient charge. Replace batteries if necessary. For hardwired systems, ensure the power supply to the HVAC unit is on.
- **Incorrect Temperature Reading:** Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources that could affect its sensor.
- **System Not Responding:** Verify that the system mode (HEAT/COOL/OFF) and fan settings (ON/AUTO) are correctly selected. Check your HVAC system's circuit breaker.

For more complex issues or detailed diagnostic procedures, please consult the full user manual or contact a qualified HVAC technician.

Specifications

Feature	Detail
Brand	Emerson
Model Name	1F80-361

Special Feature	Programmable
Color	White
Power Source	Battery Powered
Voltage	110 Volts, 220 Volts
Material	Plastic
Display Type	LCD
Screen Size	2 Inches
Control Type	Button Control
Mounting Type	Wall Mount
Batteries Required	2 AA batteries (NiCAD recommended)
Item Weight	9.6 ounces
Product Dimensions	6.4 x 1.8 x 4.3 inches

Warranty Information

Specific warranty details for the White-Rodgers 1F80-361 thermostat are typically provided at the point of purchase or within the official product documentation. Please retain your proof of purchase for any warranty claims. For comprehensive warranty terms and conditions, refer to the full user manual or contact Emerson customer support.

Support and Additional Resources

For complete instructions, detailed programming guides, and further assistance, please refer to the official user manual:

- Download User Manual (PDF)
- For additional support, visit the Emerson Brand Page on Amazon.

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.

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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