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› White-Rodgers Single-Stage Programmable Thermostat Instruction Manual

## White-Rodgers B000R8DBA6

# White-Rodgers Single-Stage Programmable Thermostat Instruction Manual

Model: B000R8DBA6

## INTRODUCTION

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This manual provides comprehensive instructions for the installation, operation, and maintenance of your White-Rodgers Single-Stage Programmable Thermostat. Please read this manual thoroughly before beginning installation or operation to ensure proper function and safety.

## PRODUCT OVERVIEW

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Figure 1: Front view of the White-Rodgers Single-Stage Programmable Thermostat, showing the digital display with time and temperature, and the up/down adjustment buttons.

The White-Rodgers Single-Stage Programmable Thermostat is designed to provide precise temperature control for your heating and cooling system. Its programmable features allow for energy savings by adjusting temperatures based on your schedule. Key features include:

- Programmable scheduling for energy efficiency.
- Large, easy-to-read digital display with backlight.
- Simple button controls for temperature adjustment and mode selection.
- Compatible with single-stage heating and cooling systems.

## INSTALLATION AND SETUP

### Safety Precautions

- Always turn off power to the heating/cooling system at the main fuse or circuit breaker panel before installing or servicing the thermostat.
- Read all instructions carefully before proceeding.
- Installation should be performed by a qualified technician if you are unsure about any steps.

### Mounting the Thermostat

1. Remove the old thermostat (if applicable) and note the wiring connections.
2. Separate the new thermostat from its base plate.
3. Position the base plate on the wall where the thermostat will be mounted. Ensure it is level.
4. Mark the mounting holes and drill pilot holes if necessary.
5. Secure the base plate to the wall using the provided screws.

## Wiring Instructions

This thermostat is designed for single-stage systems. Refer to the wiring diagram provided with your specific unit for detailed connections. Common terminals include:

- **R:** 24V AC power (heating)
- **W:** Heating call
- **Y:** Cooling call
- **G:** Fan call
- **C:** Common (optional, for continuous backlight or specific features)

Connect the wires from your system to the corresponding terminals on the thermostat base plate. Ensure all connections are secure.

## Battery Installation

This thermostat is battery powered. Open the battery compartment, typically located on the side or front of the unit. Insert the required batteries (e.g., AA alkaline) according to the polarity markings. Close the battery compartment securely.

## OPERATING INSTRUCTIONS

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### Display Overview

The digital display shows the current time, day of the week, current room temperature, and the set temperature. Indicators for system mode (Heat, Cool, Off) and fan mode (Auto, On) will also be visible.

### Setting Time and Day

1. Press the "SET" or "MENU" button (refer to your specific model's button layout).
2. Use the **UP** and **DOWN** arrow buttons to adjust the hour. Press "NEXT" or "SET" to confirm.
3. Repeat for minutes and day of the week.
4. Exit the setting mode by pressing "RUN" or waiting for the display to return to normal operation.

### Programming Schedules

Your programmable thermostat allows you to set different temperatures for various times of the day and days of the week. This typically involves setting four periods: Wake, Leave, Return, and Sleep.

1. Press the "PROGRAM" or "SCHEDULE" button.
2. Select the day or group of days you wish to program (e.g., Mon-Fri, Sat-Sun).
3. For each period (Wake, Leave, Return, Sleep), set the desired start time and temperature using the **UP** and **DOWN** arrow buttons.
4. Confirm each setting and move to the next period/day.
5. Save and exit the programming mode.

### Adjusting Temperature

In normal operating mode, use the **UP** and **DOWN** arrow buttons to temporarily adjust the set temperature. The thermostat will typically hold this temperature until the next programmed period begins.

### System Mode Selection

Press the "SYSTEM" or "MODE" button to cycle through available modes:

- **HEAT:** The thermostat will activate the heating system when the room temperature falls below the set temperature.
- **COOL:** The thermostat will activate the cooling system when the room temperature rises above the set temperature.
- **OFF:** Both heating and cooling systems are turned off.

## Fan Mode Selection

Press the "FAN" button to cycle through available fan modes:

- **AUTO:** The fan runs only when the heating or cooling system is actively operating. This is the recommended setting for most situations.
- **ON:** The fan runs continuously, regardless of whether the heating or cooling system is active.

## MAINTENANCE

### Battery Replacement

When the low battery indicator appears on the display, replace the batteries immediately to ensure continuous operation. Typically, two AA alkaline batteries are required. Follow the battery installation steps outlined in the "Installation and Setup" section.

### Cleaning

Clean the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure no liquid enters the thermostat's internal components.

## TROUBLESHOOTING

Problem	Possible Cause	Solution
Display is blank	Dead batteries	Replace batteries.
System not responding (no heating/cooling)	Incorrect mode selected; Power off at breaker; Loose wiring	Check system mode (HEAT/COOL); Check circuit breaker; Verify wiring connections.
Temperature reading seems inaccurate	Thermostat exposed to direct sunlight or drafts	Relocate thermostat if possible; Ensure no direct drafts or heat sources affect it.

If the problem persists after attempting these solutions, contact a qualified HVAC technician.

## SPECIFICATIONS

- **Brand:** White-Rodgers
- **Special Feature:** Programmable
- **Color:** White
- **Power Source:** Battery Powered
- **Item Weight:** 22.68 g (0.8 ounces)
- **Voltage:** 24 Volts

- **Shape:** Rectangular
- **Control Type:** Button Control
- **Connectivity Protocol:** Z-Wave
- **Style:** Classic
- **Backlight:** Yes
- **UPC:** 384929206256
- **Manufacturer:** WHITE-RODGERS
- **Package Dimensions:** 6.3 x 4.33 x 1.85 inches

## WARRANTY AND SUPPORT

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White-Rodgers products are manufactured to high quality standards. For information regarding warranty coverage, technical support, or service, please refer to the official White-Rodgers website or contact their customer service department. Keep your purchase receipt as proof of purchase.