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Coleman 9430A3362

Coleman-Mach Digital Single Stage RV Thermostat User Manual

Model: 9430A3362 - For RV Heating & Cooling Systems

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Coleman-Mach Digital Single Stage RV Thermostat, Model 9430A3362. This thermostat is designed to control the operation of your RV's rooftop air conditioner and a single source of gas heat (furnace) or electric heat (heat pump).

KEEP YOUR COOL ON THE ROAD



Coleman Mach
An AIRXCEL Brand

Image 1.1: RVs in a natural setting, illustrating the typical environment for this product's use.

2. PRODUCT FEATURES

The Coleman-Mach 9430A3362 thermostat offers the following key features:

- **Controls:** Manages the operation of Coleman-Mach RV rooftop air conditioners and a single source of gas heat (furnace) or electric heat (heat pump).
- **Wiring:** Includes 12VDC control wires with plugs designed to match wiring harnesses of some RV manufacturers. Plugs can be cut off for compatibility with other wiring harnesses.
- **Display:** Features a clear Digital LCD Display for easy temperature and mode viewing.
- **Dimensions:** Compact rectangular shape measuring approximately 3 x 5 x 2 inches.
- **Power:** Operates on 12VDC power.
- **Ease of Use:** Simple 3-button design for straightforward operation.
- **Color:** Black finish.



Image 2.1: The Coleman-Mach Digital Single Stage RV Thermostat (Model 9430A3362).

3. WHAT'S IN THE BOX

Upon unpacking, verify that the following items are included:

- Coleman-Mach 12VDC Heat & Cool wall thermostat, Digital LCD Display, With Wire Plugs, Black (Model 9430A3362)

4. SETUP AND INSTALLATION

This thermostat is designed for easy wall mount installation. Follow these general guidelines for proper setup. For detailed wiring diagrams specific to your RV, consult your RV manufacturer's documentation.

4.1 Mounting the Thermostat

1. **Choose Location:** Select an interior wall location away from direct sunlight, heat sources, or drafts that could affect temperature readings.
2. **Prepare Wiring:** Ensure all power to the RV's HVAC system is turned off at the main breaker before proceeding.
3. **Secure Mount:** Mount the thermostat base securely to the wall using appropriate fasteners.

4.2 Wiring Connections

The thermostat comes with 12VDC control wires that may have plugs matching certain RV manufacturers' harnesses. If your RV's harness does not match, the plugs can be carefully cut off, and wires connected individually.

1. **Identify Wires:** Carefully identify the wires from your RV's HVAC system (e.g., 12VDC power, ground, fan, heat, cool). Refer to your RV's wiring diagram.
2. **Connect Wires:** Connect the thermostat wires to the corresponding RV HVAC system wires. Ensure secure connections.
3. **Verify Connections:** Double-check all connections for correctness and security before restoring power.

Caution: Incorrect wiring can damage the thermostat or your RV's HVAC system. If you are unsure about any step, consult a qualified RV technician.

5. OPERATING INSTRUCTIONS

The Coleman-Mach 9430A3362 thermostat features a simple 3-button interface for easy control of your RV's climate.

5.1 Basic Operation

1. **Power On/Off:** Typically, the thermostat is always on when connected to 12VDC power. There may be a dedicated button or a combination of buttons to cycle through modes or turn the system off.
2. **Adjusting Temperature:** Use the **Up** and **Down** arrow buttons (refer to Image 2.1) to set your desired temperature. The LCD will display the set temperature.
3. **Selecting Mode (Heat/Cool/Fan):** Press the **Mode** button (often the central button or a specific icon) to cycle through available modes:
 - **Cool:** Activates the air conditioning system.
 - **Heat:** Activates the furnace or heat pump.
 - **Fan:** Operates the fan independently (usually High/Low or Auto).
4. **Fan Speed:** In Fan mode, or sometimes within Cool/Heat modes, you may be able to adjust fan speed (e.g., High, Low, Auto) using a dedicated button or by cycling through options with the Mode button.

The LCD display will show the current room temperature and the selected mode/set temperature. Refer to the thermostat's display for visual cues.

6. MAINTENANCE

Your Coleman-Mach thermostat requires minimal maintenance to ensure optimal performance.

- **Cleaning:** Wipe the thermostat's exterior with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Airflow:** Ensure the area around the thermostat is clear of obstructions to allow for accurate temperature sensing.
- **Power Check:** Periodically check the 12VDC power supply to ensure stable operation.

7. TROUBLESHOOTING

If you encounter issues with your thermostat, try the following troubleshooting steps:

- **No Display/No Power:**
 - Check the RV's 12VDC power supply and fuses.
 - Verify all wiring connections are secure.
- **System Not Responding (No Heat/Cool):**
 - Ensure the thermostat is set to the correct mode (Heat or Cool) and the set temperature is appropriately above/below the ambient temperature.
 - Check the RV's main circuit breakers for the HVAC system.

- Inspect wiring connections at both the thermostat and the HVAC unit.
- **Inaccurate Temperature Reading:**
 - Ensure the thermostat is not exposed to direct sunlight, drafts, or heat sources.
 - Clean any dust or debris from the thermostat's vents.

If problems persist after attempting these steps, contact Coleman-Mach customer support or a certified RV technician.

8. SPECIFICATIONS

Specification	Value
Manufacturer	Coleman-Mach
Brand	Coleman
Model	Coleman-Mach 12VDC Heat & Cool wall thermostat, Digital LCD Display, With Wire Plugs, Black
Item Weight	3.52 ounces
Product Dimensions	4.5 x 2.5 x 1.5 inches
Item Model Number	9430A3362
Manufacturer Part Number	9430A3362
Mirror Adjustment	Button Control
Voltage	12 Volts

9. WARRANTY INFORMATION

This Coleman-Mach Digital Single Stage RV Thermostat (Model 9430A3362) is covered by **a 2-year limited warranty** from the date of purchase. This warranty covers defects in materials and workmanship under normal use. For specific terms, conditions, and to initiate a warranty claim, please refer to the official Coleman-Mach warranty documentation or contact customer support.

10. SUPPORT AND CONTACT

For further assistance, technical support, or inquiries regarding your Coleman-Mach thermostat, please visit the official Coleman-Mach website or contact their customer service department. When contacting support, please have your product model number (9430A3362) and purchase information readily available.



Image 10.1: Ensuring comfort on the road with reliable climate control.



Image 10.2: Coleman-Mach, an AIRXCEL Brand.