

Canarm FRMC5

Canarm CNFRMC5 Industrial Ceiling Fan Speed Control User Manual

Model: FRMC5

1. INTRODUCTION

This manual provides essential instructions for the safe installation, operation, and maintenance of your Canarm CNFRMC5 Industrial Ceiling Fan Speed Control. This unit is designed to provide variable speed and directional control for up to four compatible Canarm industrial reversible ceiling fans. Please read this manual thoroughly before installation and use, and retain it for future reference.

2. IMPORTANT SAFETY INFORMATION

WARNING: To avoid risk of fire or electric shock, turn power off at the circuit breaker before wiring. This control unit is designed for 120V AC, 5 Amps maximum. Installation should be performed by a qualified electrician in accordance with all local and national electrical codes.

- Do not exceed the maximum 5 Amp rating.
- Ensure the control is compatible with your specific Canarm industrial ceiling fan models.
- Mount the control in a standard electrical box.
- Keep away from water and excessive moisture.
- Do not attempt to repair or modify the unit. Contact qualified personnel for service.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation.

- Canarm CNFRMC5 Speed Control Unit
- Mounting Screws (if included)
- Instruction Manual (this document)

4. SETUP AND INSTALLATION

Follow these steps carefully for proper installation.

4.1 Wiring Diagram

The speed control unit is designed to fit into a standard electrical box. Ensure all connections are secure and insulated.

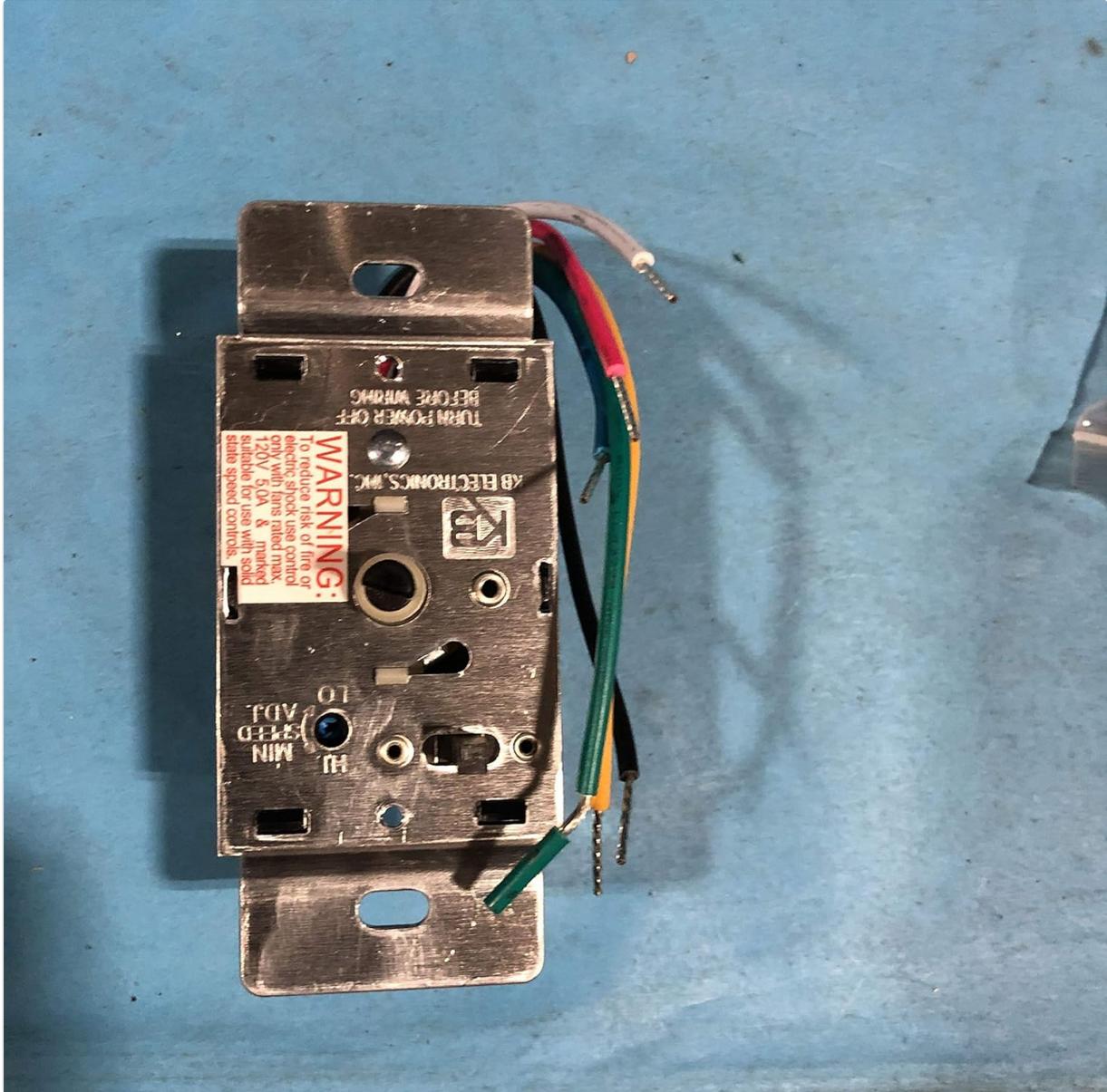


Figure 1: Rear view of the Canarm CNFRMC5 Speed Control unit, displaying the various colored wires for electrical connection. The warning label indicates to turn power off before wiring and specifies the 120V, 5 Amp rating.

1. **Turn off power:** Locate the circuit breaker controlling the fan circuit and turn off the power. Verify power is off using a voltage tester.
2. **Connect Wires:** Connect the wires from the speed control to the appropriate fan and power supply wires according to the wiring diagram provided with your fan or the control unit. Typically, this involves connecting line (hot), load (to fan), and neutral/ground wires. Refer to the warning label on the unit for specific voltage and amperage details.
3. **Mounting:** Carefully place the wired control unit into the standard electrical box. Secure it using the provided mounting screws.
4. **Install Faceplate:** Attach the decorative faceplate over the control unit.

5. **Restore Power:** Once installation is complete and all connections are secure, restore power at the circuit breaker.

4.2 Component Overview

Familiarize yourself with the control's components.

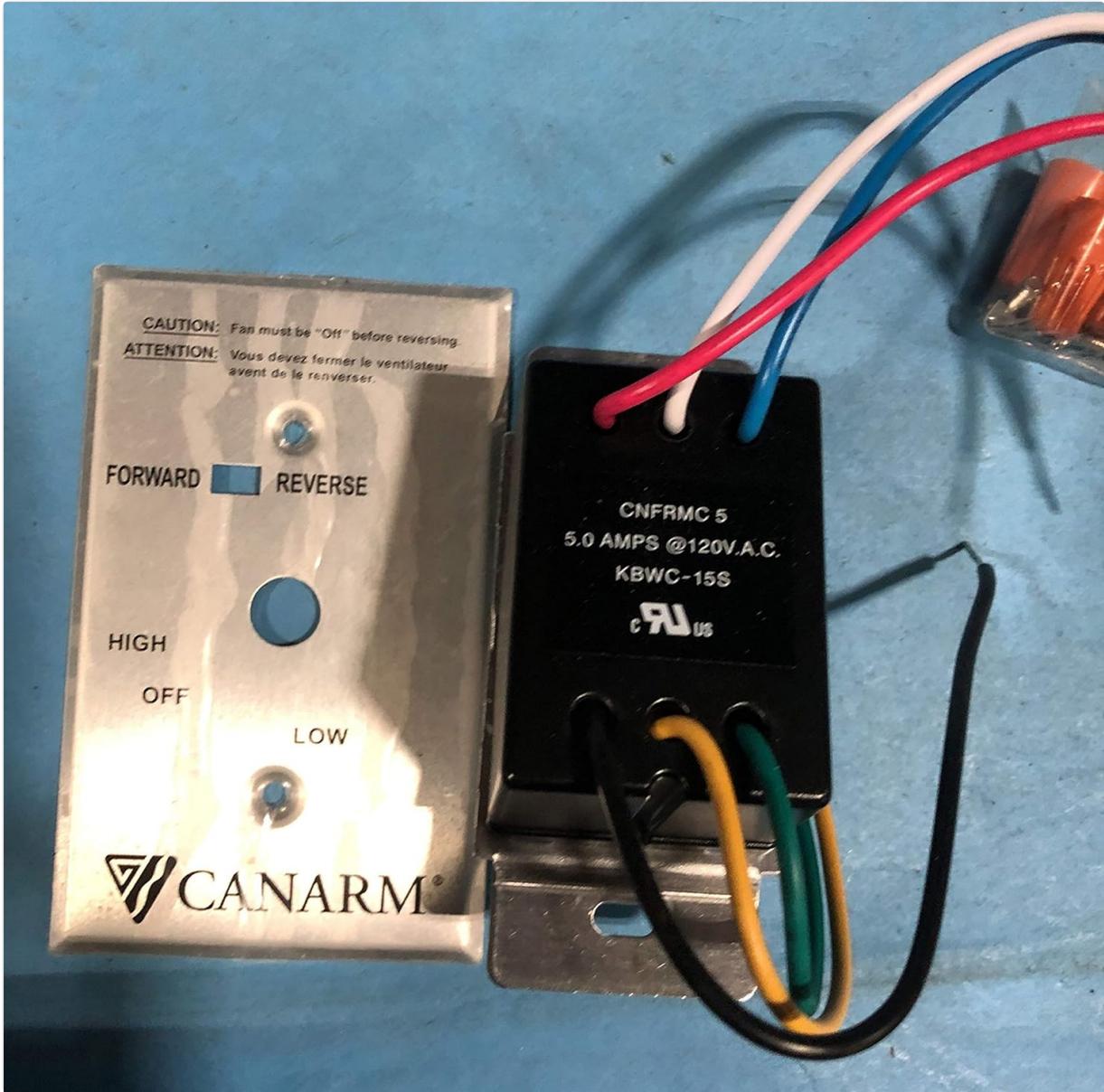


Figure 2: Front view of the Canarm CNFRMC5 Speed Control, showing the faceplate with "FORWARD" and "REVERSE" indicators, a rotary knob for speed adjustment (HIGH, OFF, LOW), and the separate control module with its wiring.

5. OPERATING INSTRUCTIONS

The Canarm CNFRMC5 Speed Control allows for precise adjustment of your industrial ceiling fan's speed and direction.

- **Speed Control:** Use the rotary knob to adjust the fan speed from HIGH to LOW. Turn the knob to the "OFF" position to stop the fan.
- **Directional Control (Forward/Reverse):** The slide switch on the faceplate allows you to change the fan's rotation direction.
 - **FORWARD:** Typically used for downdraft (cooling effect) during warmer months.
 - **REVERSE:** Typically used for updraft (circulating warm air) during cooler months.

CAUTION: The fan must be in the "OFF" position before reversing direction to prevent damage to the fan motor or control unit.

6. MAINTENANCE

The Canarm CNFRMC5 Speed Control requires minimal maintenance.

- **Cleaning:** Ensure power is off before cleaning. Wipe the faceplate with a soft, damp cloth. Do not use abrasive cleaners or solvents.
- **Inspection:** Periodically check for any loose connections or signs of wear. If any damage is observed, discontinue use and consult a qualified electrician.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Fan does not operate.	No power to the control unit. Loose wiring connection. Fan motor issue.	Check circuit breaker. Verify all wiring connections are secure (power off first). Consult fan manual or qualified technician.
Fan speed does not change.	Incorrect wiring. Control unit malfunction.	Review wiring diagram and ensure correct connections. Contact manufacturer support or qualified electrician.
Fan direction does not reverse.	Fan not in "OFF" position before reversing. Incorrect wiring. Control unit malfunction.	Ensure fan is off before moving the directional switch. Verify wiring. Contact manufacturer support or qualified electrician.
Humming noise from fan/control.	Incompatibility with fan motor. Normal operation for some motor types.	Ensure fan is compatible with solid-state speed controls. Some motors may produce a slight hum at lower speeds. If excessive, consult a qualified electrician.

If troubleshooting steps do not resolve the issue, contact Canarm customer support or a qualified electrician.

8. SPECIFICATIONS

Model Name:	CNFRMC5 (FRMC5)
Brand:	Canarm
Voltage:	120 Volts AC
Max. Amperage:	5 Amps

Switch Type:	Rotary (Speed), Slide (Direction)
Power Source:	AC Power
Product Dimensions (L x W x H):	4 1/2 x 2 3/4 x 2 1/2 inches (from description) / 8"D x 7"W x 6"H (from specifications) / 4.75"L x 3"W x 2"H (from specifications) <i>Note: Multiple dimensions provided in source data. Refer to physical product for exact measurements.</i>
Item Weight:	0.22 Pounds / 3.52 ounces
Material Type:	Aluminum (from description)
Indoor/Outdoor Usage:	Indoor
Special Feature:	5 amp rating for use with multiple fans and forward/reverse slide switch

9. WARRANTY INFORMATION

According to product information, this item comes with **No Warranty**. Please refer to your retailer's return policy for details on returns or exchanges.

10. CUSTOMER SUPPORT

For technical assistance, questions regarding installation, or troubleshooting beyond the scope of this manual, please contact Canarm customer support.

You may find contact information on the official Canarm website or through your product retailer.