RHINE UC9020

RHINE UC9020 4-Speed Fan Control Controller User Manual

Model: UC9020

Introduction

This manual provides detailed instructions for the installation, operation, and maintenance of your RHINE UC9020 4-Speed Fan Control Controller. This device is designed to provide precise speed control for ceiling fans, enhancing comfort and energy efficiency. Please read this manual thoroughly before installation and use to ensure safe and optimal performance.

Safety Information

WARNING: To avoid fire, shock, or death; turn off power at circuit breaker or fuse box and test that the power is off before wiring!

- Always disconnect power before installing or servicing the controller.
- Installation should be performed by a qualified electrician or in accordance with local electrical codes.
- Do not exceed the maximum wattage rating of 150 watts and voltage of 120 volts.
- Ensure all wire connections are secure and properly insulated.
- This controller is designed for incandescent light bulbs and fan speed control.

Product Overview





Figure 1: Front view of the RHINE UC9020 4-Speed Fan Control Controller. The white wall plate features a vertical slider switch with numerical markings 1 through 4, indicating fan speeds, and a fan icon at the top for the off position. A small green indicator light is visible at the top and bottom of the wall plate.

The RHINE UC9020 is a wall-mounted fan speed controller designed for easy integration into standard electrical boxes. It features a simple slider mechanism for adjusting fan speeds from 1 (lowest) to 4 (highest), with an off position indicated by a fan blade icon. Its modern white design complements most interior decors.

Setup and Installation

1. **Turn Off Power:** Locate the circuit breaker or fuse box that controls the power to the fan. Turn off the power completely and verify it is off using a voltage tester.
2. **Remove Existing Switch (if applicable):** Carefully remove the existing wall plate and switch from the electrical box. Disconnect the wires, noting their connections.
3. **Wire the Controller:** Connect the wires from the electrical box to the corresponding terminals on the UC9020 controller. Refer to the wiring diagram provided with the product packaging for specific connections. Typically, this involves connecting the hot wire, load wire (to the fan), and ground wire.
    - *Input Voltage:* 120 Volts AC
    - *Maximum Load:* 150 Watts
4. **Mount the Controller:** Gently push the wired controller into the electrical box. Secure it with the mounting screws provided.
5. **Install Wall Plate:** Attach the decorative wall plate over the controller and secure it with the screws.
6. **Restore Power:** Turn the power back on at the circuit breaker or fuse box.

Note: Ensure the electrical box is compatible with the controller's dimensions (Package Dimensions: 6 x 4 x 3 inches). Some users have reported issues with compatibility with certain US electrical gem boxes.

Operating Instructions

The RHINE UC9020 fan controller offers four distinct fan speeds and an off position.

- **To Turn On/Off:** Slide the control lever to the top position (indicated by the fan icon) to turn the fan off. Slide it down to any numbered position (1-4) to turn the fan on.
- **Adjusting Fan Speed:**
    - Slide the lever to position **1** for the lowest fan speed.
    - Slide the lever to position **2** for a medium-low fan speed.
    - Slide the lever to position **3** for a medium-high fan speed.
    - Slide the lever to position **4** for the highest fan speed.

The controller provides smooth and consistent speed regulation for compatible ceiling fans.

Maintenance

The RHINE UC9020 fan controller requires minimal maintenance.

- **Cleaning:** To clean the surface of the controller, wipe with a soft, damp cloth. Do not use abrasive cleaners or solvents. Ensure power is off before cleaning.
- **Inspection:** Periodically check the controller and wall plate for any signs of damage or loose connections. If any issues are found, disconnect power and consult a qualified electrician.

Troubleshooting

Problem	Possible Cause	Solution
Fan does not turn on.	No power to the controller; incorrect wiring; faulty fan.	Check circuit breaker/fuse. Verify wiring connections. Test fan directly if possible.

Problem	Possible Cause	Solution
Fan speeds are not adjusting correctly.	Incorrect wiring; incompatible fan motor; controller malfunction.	Re-check wiring. Ensure fan is compatible with solid-state speed control. Replace controller if necessary.
Controller does not fit in electrical box.	Electrical box is too small or not standard.	Verify electrical box dimensions. A larger or different type of box may be required. Consult an electrician.

Specifications

Feature	Detail
Model Number	UC9020
Brand	RHINE
Power Source	AC 110V
Voltage	120 Volts
Wattage	150 Watts
Item Weight	5 ounces
Package Dimensions	6 x 4 x 3 inches
Color	White
Special Features	Fan speed control
Type of Bulb (compatible)	Incandescent light

Warranty and Support

For warranty information or technical support, please contact the manufacturer directly. Keep your purchase receipt as proof of purchase.
Manufacturer: RHINE
Note: Specific warranty terms may vary. Please refer to the documentation included with your product or contact RHINE customer service for details.

© 2024 RHINE. All rights reserved.

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