ROGER TECHNOLOGY R70/2AC/BOX

ROGER TECHNOLOGY R70/2AC/BOX Control Unit Instruction Manual

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of the ROGER TECHNOLOGY R70/2AC/BOX Control Unit. This unit is designed to manage two 230V AC motors, housed within a durable plastic enclosure. Please read these instructions carefully before proceeding with any installation or operation.

2. SAFETY INSTRUCTIONS

- **Electrical Safety:** Installation and maintenance must be performed by qualified personnel only. Disconnect power before any work on the control unit.

- **Environmental Conditions:** Ensure the control unit is installed in an environment suitable for its IP rating, protected from excessive moisture, dust, and extreme temperatures.

- **Proper Wiring:** All wiring must comply with local electrical codes and the specifications provided in this manual. Incorrect wiring can lead to malfunction or electrical hazards.

- **Intended Use:** This unit is designed for controlling two 230V AC motors. Do not use it for purposes other than those specified.

3. PRODUCT OVERVIEW

The ROGER TECHNOLOGY R70/2AC/BOX is a robust control unit housed in a plastic enclosure, engineered for reliable control of dual 230V AC motors. Its design prioritizes durability and ease of integration into various systems.

Figure 1: ROGER TECHNOLOGY R70/2AC/BOX Control Unit. This image displays the control unit enclosed in its protective plastic housing, highlighting its compact and industrial design suitable for various applications.

4. SETUP

4.1. Mounting

1. Select a suitable, stable, and accessible location for mounting the control unit, ensuring it is protected from direct weather exposure if installed outdoors.

2. Use appropriate fasteners to securely mount the plastic enclosure to a wall or support structure. Ensure the mounting surface can support the weight of the unit.

4.2. Wiring

WARNING: Ensure all power is disconnected before performing any wiring.

- **Power Supply:** Connect the main 230V AC power supply to the designated terminals. Ensure proper grounding.

- **Motor Connections:** Connect the two 230V AC motors to their respective output terminals on the control unit. Follow the wiring diagram provided with the unit for correct phase and neutral connections.

- **Safety Devices:** Integrate all necessary safety devices (e.g., photocells, emergency stops, limit switches) into the control unit's safety input terminals as per the wiring diagram.

- **Control Devices:** Connect any external control devices (e.g., push buttons, key switches, remote receivers) to the appropriate input terminals.

5. OPERATING INSTRUCTIONS

5.1. Initial Power-Up

1. After completing all wiring and ensuring all connections are secure, restore power to the control unit.

2. Observe the status indicators (LEDs) on the control board. Refer to the unit's specific documentation for LED status meanings.

5.2. Basic Operation

The R70/2AC/BOX unit typically operates through programmed cycles. Depending on the specific application, this may involve:

- **Manual Activation:** Using a connected push button or remote control to initiate motor movement.
- **Automatic Cycles:** Programming the unit for timed operations or responses to sensor inputs.
- **Safety Stop:** Activating an emergency stop or safety sensor will halt motor operation immediately.

5.3. Programming (if applicable)

For advanced functionalities such as setting motor speeds, operating times, or specific sequences, refer to the detailed programming guide provided with your control unit. Programming typically involves navigating a menu system via onboard buttons or a dedicated programmer tool.

6. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your control unit.

- **Periodic Inspection:** Annually inspect all wiring connections for tightness and signs of wear or corrosion.
- **Enclosure Check:** Ensure the plastic enclosure remains sealed and free from damage to protect internal components from environmental factors.
- **Cleaning:** Keep the exterior of the enclosure clean. If necessary, gently clean the interior with a soft, dry brush or compressed air, ensuring power is disconnected.
- **Functionality Test:** Periodically test all connected safety devices and control inputs to ensure they are functioning correctly.

7. TROUBLESHOOTING

This section addresses common issues you might encounter with the R70/2AC/BOX control unit.

Problem	Possible Cause	Solution
Unit does not power on	No power supply; Blown fuse; Incorrect wiring	Check main power supply; Inspect and replace fuse if necessary; Verify power wiring connections.
Motors do not respond	Incorrect motor wiring; Safety device activated; Programming error	Check motor connections; Verify all safety devices are disengaged; Review programming settings.
Intermittent operation	Loose connections; Interference; Faulty sensor	Inspect all wiring for loose connections; Check for sources of electrical interference; Test and replace faulty sensors.

If the problem persists after attempting these solutions, contact qualified technical support.

8. SPECIFICATIONS

Feature	Detail

Feature	Detail
Model Number	R70/2AC/BOX
Manufacturer Reference	R70/2AC/BOX
Manufacturer	ROGER
Motor Compatibility	Two 230V AC motors (also available for 115V)
Enclosure Type	Plastic Box
ASIN	B01MQQECNB
Production Status	Still in production
Date Listed on Amazon.com.be	June 20, 2022

9. WARRANTY INFORMATION

ROGER TECHNOLOGY products are manufactured to high-quality standards. For specific warranty terms and conditions, please refer to the warranty card included with your product or visit the official ROGER TECHNOLOGY website. Keep your proof of purchase for warranty claims.

10. SUPPORT

For technical assistance, troubleshooting beyond this manual, or spare parts inquiries, please contact your authorized ROGER TECHNOLOGY dealer or visit the official ROGER TECHNOLOGY support portal. Ensure you have your product model number (R70/2AC/BOX) and serial number (if applicable) ready when contacting support.
Official Website: www.rogertechnology.com