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> Bolisila RQR1 Time Relay 88866175 0.1s-100h User Manual

Bolisila RQR1 88866175

Bolisila RQR1 Time Relay 88866175 User Manual

Model: RQR1 88866175 | Time Range: 0.1s - 100h

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of the Bolisila RQR1 Time Relay, model 88866175. This device is designed for precise timing control in various industrial and residential automation applications, offering a broad time range from 0.1 seconds to 100 hours.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the RQR1 Time Relay. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Qualified Personnel:** Installation and maintenance should only be performed by qualified electrical personnel.
- Power Disconnection:** Always disconnect power to the circuit before installing, wiring, or servicing the relay.
- Proper Wiring:** Ensure all wiring connections are secure and comply with local electrical codes and standards.
- Environmental Conditions:** Do not expose the relay to moisture, extreme temperatures, or corrosive environments.
- Intended Use:** Use the relay only for its intended purpose as a timing control device.

3. PRODUCT OVERVIEW

The Bolisila RQR1 Time Relay (Model 88866175) is a versatile timing device featuring clear readings and accurate measurements. It is compatible with various industrial automation products and suitable for a wide range of applications.

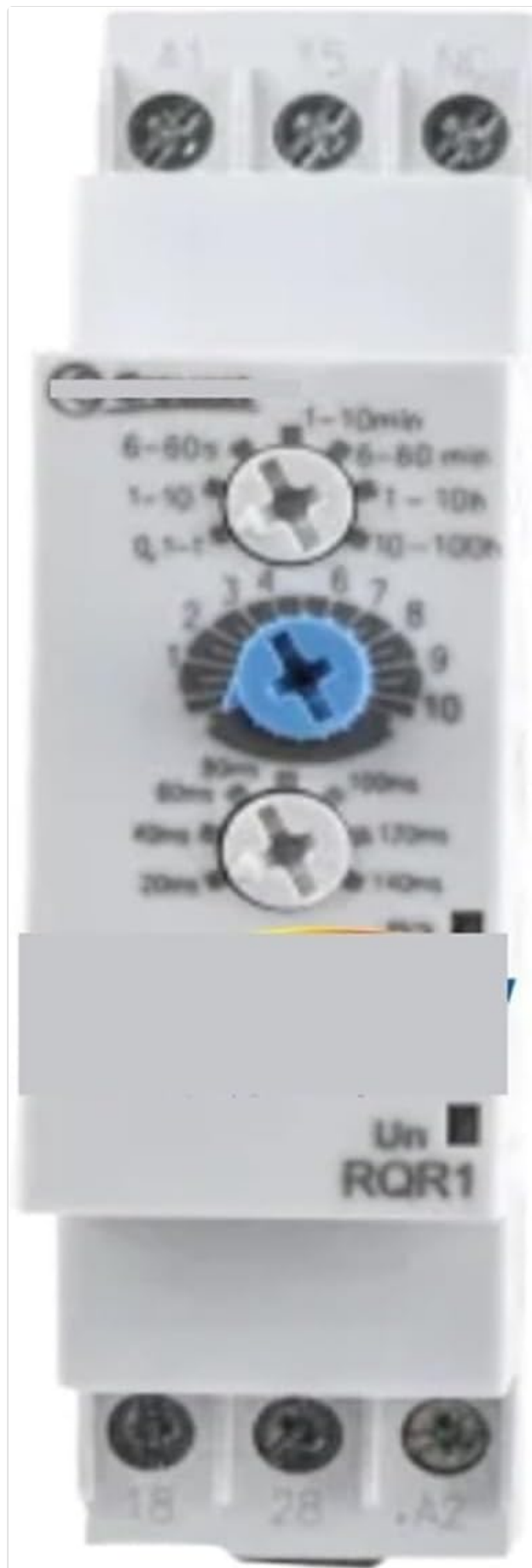


Figure 1: Front view of the Bolisila RQR1 Time Relay. The image displays the white housing of the relay with screw terminals at the top (labeled A1, 15, NC) and bottom (labeled 18, 28, A2). The central panel features two adjustment dials. The upper dial, with a blue center screw, is for setting the time multiplier (numbered 1-10). The lower dial, with a silver center screw, is for selecting the time range (e.g., 6-60s, 1-10min, 6-60min, 1-10h, 10-100h). The model name 'RQR1' is visible towards the bottom of the central panel.

Key Features:

- Model: RQR1 88866175
- Wide Time Range: 0.1 seconds to 100 hours
- Clear Display and Accurate Measurements
- Broad Compatibility with Industrial Automation Systems
- Suitable for Industrial and Residential Applications

4. SETUP

Follow these general steps for installing the RQR1 Time Relay. Refer to your specific application's wiring diagrams for detailed connections.

1. **Mounting:** Securely mount the time relay in a suitable enclosure or on a DIN rail, ensuring adequate ventilation.
2. **Power Connection:** Connect the power supply to terminals A1 and A2 as indicated on the relay. Ensure the voltage matches the relay's specifications.
3. **Output Connections:** Connect the load to the appropriate output terminals (e.g., 15, 18, 28 for common, normally open, and normally closed contacts, respectively).
4. **Verify Wiring:** Double-check all wiring connections for correctness and security before applying power.

5. OPERATING INSTRUCTIONS

The RQR1 Time Relay features two rotary dials for setting the desired time delay.

1. **Select Time Range:** Use the lower rotary dial (with the silver screw) to select the desired time range. Available ranges typically include:
 - Seconds (e.g., 6-60s)
 - Minutes (e.g., 1-10min, 6-60min)
 - Hours (e.g., 1-10h, 10-100h)
2. **Set Time Multiplier:** Use the upper rotary dial (with the blue screw) to set the time multiplier within the selected range. This dial typically has markings from 1 to 10. For example, if the range is set to '6-60s' and the multiplier is set to '5', the total time delay will be 30 seconds (50% of 60s, or 5 times the base unit of the range).
3. **Apply Power:** Once the time settings are configured, apply power to the relay. The relay will begin its timing cycle according to the selected settings.
4. **Monitor Operation:** Observe the relay's behavior to ensure it operates as expected.

6. MAINTENANCE

The Bolisila RQR1 Time Relay is designed for reliable operation with minimal maintenance. However, periodic checks can help ensure its longevity and performance.

- **Cleaning:** Keep the relay clean and free from dust and debris. Use a soft, dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Connection Checks:** Periodically inspect wiring connections to ensure they remain tight and free from corrosion.
- **Environmental Inspection:** Ensure the operating environment remains within the specified temperature and humidity limits.

- **No User-Serviceable Parts:** The relay contains no user-serviceable parts. Do not attempt to open or repair the unit.

7. TROUBLESHOOTING

If you encounter issues with your RQR1 Time Relay, consider the following common troubleshooting steps:

- **Relay Not Activating:**
 - Check power supply connections (A1, A2).
 - Verify the input voltage matches the relay's specifications.
 - Ensure the time settings are correctly configured.
- **Incorrect Timing:**
 - Recheck the time range and multiplier dial settings.
 - Ensure the load is within the relay's contact rating.
- **No Output:**
 - Inspect the load wiring connections (15, 18, 28).
 - Confirm the load itself is functional.
- **Overheating:**
 - Ensure adequate ventilation around the relay.
 - Verify the load current does not exceed the relay's maximum rating.

If problems persist after attempting these steps, contact Bolisila customer support or a qualified technician.

8. SPECIFICATIONS

Feature	Specification
Model	RQR1 88866175
Brand	Bolisila
Product Type	Time Relay
Time Range	0.1 seconds - 100 hours
Compatibility	Various industrial automation products
Display	Clear readings
Accuracy	Accurate measurements
Item Weight	2.2 pounds (approx. 1 kg)
Package Dimensions	0.39 x 0.39 x 0.39 inches (approx. 1 x 1 x 1 cm)
Assembly Required	No

Note: Package dimensions may refer to the product's internal packaging or a placeholder value. Refer to the product's physical dimensions

for precise measurements.

9. WARRANTY AND SUPPORT

Specific warranty details for the Bolisila RQR1 Time Relay 88866175 are not provided in this manual. For warranty information, technical support, or service inquiries, please contact your point of purchase or the manufacturer directly. Keep your purchase receipt as proof of purchase.

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