

CROUZET CONTROL 88827103

CROUZET CONTROL MUR3 88827103 Relay Instruction Manual

1. INTRODUCTION

This manual provides essential information for the safe and efficient installation, operation, and maintenance of the CROUZET CONTROL MUR3 10-260VUC 1A Din Rail Mount SPDT Normally Open Relay, model 88827103. Please read this manual thoroughly before attempting to install or operate the device.

2. SAFETY INFORMATION

WARNING: Risk of Electric Shock

- Installation and maintenance must be performed by qualified personnel only.
- Ensure all power is disconnected before installing, wiring, or servicing the relay.
- Adhere to all local and national electrical codes and regulations.
- Do not operate the relay if it appears damaged.
- The relay is designed for specific voltage and current ratings. Exceeding these ratings can cause damage or create a safety hazard.

3. PRODUCT OVERVIEW

The CROUZET CONTROL MUR3 88827103 is a compact electromechanical relay designed for industrial control applications. It features a single-pole, double-throw (SPDT) contact configuration with a normally open (NO) contact, suitable for switching circuits up to 10 Amps. Its DIN rail mount design allows for easy integration into control panels. The relay operates on a wide voltage range of 10-260VUC (Volts Universal Current, AC or DC).



This image displays the CROUZET CONTROL MUR3 relay, a compact electromechanical device designed for DIN rail mounting. It features screw terminals for electrical connections and a rotary dial for setting operational parameters, such as time delay, if applicable. The relay is typically used for switching electrical circuits.

4. SETUP AND INSTALLATION

4.1 Mounting

1. Ensure the power supply to the DIN rail is disconnected.
2. Align the relay's mounting clip with the DIN rail.
3. Press the relay firmly onto the DIN rail until it clicks into place.
4. Verify that the relay is securely attached and does not wobble.

4.2 Wiring

The MUR3 relay utilizes screw terminals for electrical connections. Refer to the wiring diagram typically printed on the side of the relay or in the product datasheet for precise connections. General connections are as follows:

- **Coil Terminals (A1, A2):** Connect the control voltage (10-260VUC) to these terminals to energize the relay coil.
- **Common Contact (15):** This is the common terminal for the switching contact.
- **Normally Open Contact (18):** This contact is open when the coil is de-energized and closes when the coil is energized.

Always ensure correct polarity for DC control voltage if applicable, though this relay supports universal current.

5. OPERATING INSTRUCTIONS

The MUR3 relay operates by energizing its internal coil, which then actuates the mechanical contacts to switch a connected load. When the control voltage (10-260VUC) is applied to terminals A1 and A2, the coil energizes. This causes the normally open contact (15-18) to close, completing the circuit for the connected load. When the control voltage is removed, the coil de-energizes, and the contact returns to its normally open state.

- Ensure all wiring is correct and secure before applying power.
- Apply the appropriate control voltage to the coil terminals (A1, A2).
- Observe the status of the connected load to confirm proper switching.

6. MAINTENANCE

The CROUZET CONTROL MUR3 relay is designed for reliable, long-term operation with minimal maintenance. However, periodic inspection is recommended:

- **Visual Inspection:** Periodically check for any signs of physical damage, discoloration, or loose connections.
- **Cleaning:** If necessary, gently clean the exterior of the relay with a dry, soft cloth. Do not use solvents or abrasive cleaners.
- **Connection Check:** Ensure all screw terminals remain tight to prevent intermittent operation or overheating.

Always disconnect power before performing any maintenance.

7. TROUBLESHOOTING

If the MUR3 relay is not functioning as expected, consider the following troubleshooting steps:

- **No Switching Action:**
 - Verify that the control voltage is present at terminals A1 and A2 and is within the 10-260VUC range.
 - Check for loose or incorrect wiring to the coil terminals.
 - Ensure the power supply to the load circuit is active.
- **Load Not Activating:**
 - Confirm that the load is correctly wired to the common (15) and normally open (18) contacts.
 - Check the load itself for faults (e.g., burnt out bulb, motor fault).
 - Ensure the current drawn by the load does not exceed the relay's 10 Amp rating.
- **Overheating:**
 - Verify that the load current does not exceed the relay's maximum rating.
 - Check for poor connections at the terminals, which can cause resistance and heat.

If issues persist after performing these checks, contact CROUZET CONTROL technical support or a qualified electrician.

8. SPECIFICATIONS

Specification	Value
Brand	CROUZET CONTROL
Model Number	88827103
Item Weight	0.16 ounces
Mounting Type	DIN Rail Mount
Contact Type	SPDT, Normally Open
Current Rating	10 Amps
Connector Type	Screw Terminals

Specification	Value
Control Voltage Range	10-260VUC

9. WARRANTY AND SUPPORT

Specific warranty information for the CROUZET CONTROL MUR3 88827103 relay is not provided within this manual. For details regarding warranty coverage, technical support, or service, please refer to the official CROUZET CONTROL website or contact their customer service department directly. Keep your purchase receipt as proof of purchase.