

Aexit MY3J

Aexit MY3J Coil Relay Instruction Manual

INTRODUCTION

The Aexit MY3J Electromagnetic Relay is designed to automatically adjust, protect, and transform electrical circuits. It is widely used in remote control systems, communication equipment, automatic control systems, and various electronic applications.

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Aexit MY3J Electromagnetic Relay.

PRODUCT OVERVIEW

The Aexit MY3J is a general-purpose electromagnetic relay featuring a 3PDT (Triple Pole Double Throw) contact configuration with 11 terminals. It is designed for 35mm DIN rail mounting and operates with an AC 24V coil voltage.

Key Features:

- **Model:** MY3J
- **Coil Voltage:** AC 24V
- **Contact Capacity:** 5A 250VAC / 28VDC
- **Contact Type:** 3PDT (Triple Pole Double Throw)
- **Number of Terminals:** 11
- **Mounting:** 35mm DIN Rail
- **Total Size (Approx.):** 71 x 30 x 65mm (L*W*H)
- **Main Color:** Black, Clear Blue

SETUP AND INSTALLATION

Safety Precautions:

- Ensure all power sources are disconnected before attempting installation or wiring.
- Installation should only be performed by qualified personnel familiar with electrical systems.

- Verify that the relay's voltage and current ratings are compatible with your specific application requirements.

Mounting:

The MY3J relay is designed for secure attachment to a standard 35mm DIN rail. Ensure the relay base is firmly clipped onto the DIN rail to prevent movement.



Image: Bottom view of the MY3J relay, highlighting the yellow DIN rail mounting clip for secure installation.

Wiring:

Connect the AC 24V coil voltage to the designated coil terminals. Connect your load circuits to the 11 contact terminals according to your application's specific wiring diagram. Always refer to the relay's pinout diagram, typically found on the relay housing or accompanying documentation, for accurate terminal identification and connection.

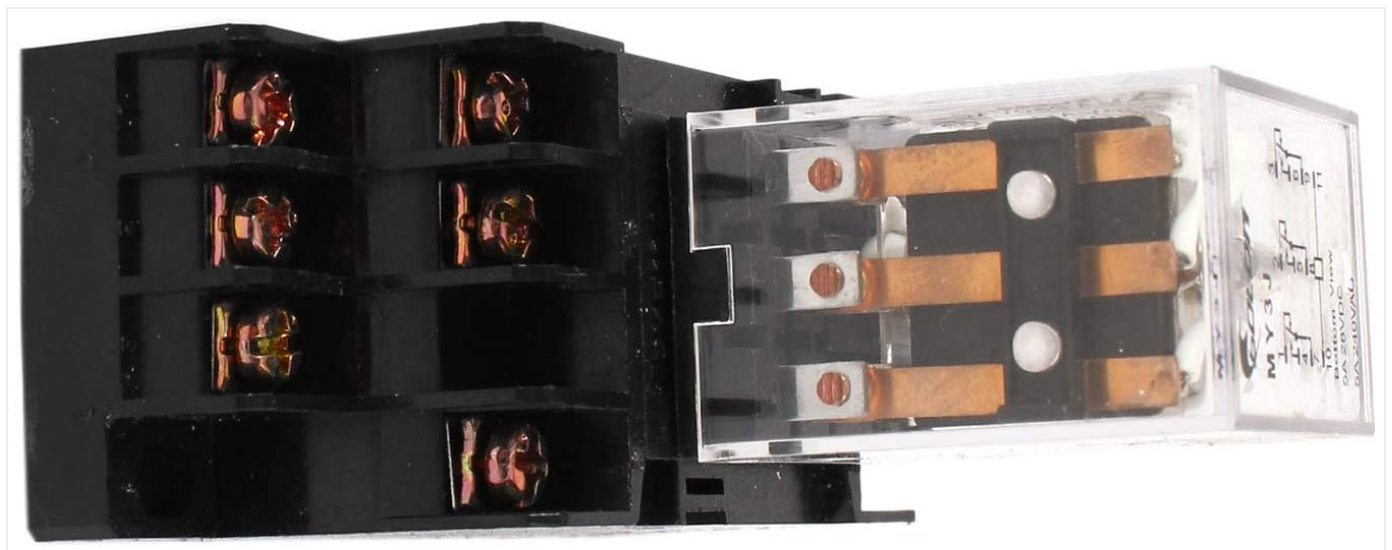


Image: Side view of the MY3J relay, illustrating the 11 pin terminals for electrical connections.



Image: Angled view of the MY3J relay, with its clear housing revealing the internal contact mechanism.

OPERATION

Once correctly wired and powered, the MY3J relay operates by energizing its internal coil. When the specified AC 24V coil voltage is applied, an electromagnetic field is generated. This field causes the relay's internal contacts to switch from their normally open (NO) or normally closed (NC) states to their opposite states.

This switching action allows the relay to control higher power circuits using a lower power control signal, or to provide electrical isolation between different parts of a circuit. The 3PDT configuration provides three independent sets of contacts, each with a common, normally open, and normally closed terminal, offering versatile switching capabilities for various control applications.

MAINTENANCE

The Aexit MY3J relay is engineered for reliable, long-term performance with minimal maintenance. However, periodic inspection is recommended to ensure optimal operation and longevity:

- **Visual Inspection:** Regularly check the relay for any signs of physical damage, such as cracks, discoloration, or burn marks. Ensure all wiring connections are secure and free from corrosion.
- **Contact Integrity:** While internal, observe for any signs of excessive arcing or pitting on the contact surfaces if visible through the clear housing. Significant wear may indicate an overloaded circuit or end-of-life.
- **Environmental Conditions:** Confirm that the operating environment remains within the specified temperature and humidity ranges. Extreme conditions can accelerate wear and reduce relay lifespan.

If any abnormalities or issues are detected during inspection, immediately disconnect power to the circuit and replace the relay if necessary to prevent further damage or malfunction.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Relay does not energize	No coil voltage; Incorrect coil voltage (not AC 24V); Damaged coil (open circuit)	Verify AC 24V supply to the coil terminals; Check coil resistance with a multimeter; Replace relay if coil is open or shorted.
Contacts do not switch	Coil energized but contacts stuck; Excessive load current; Damaged contacts	Check for mechanical obstruction or debris; Ensure load current is within the 5A rating; Replace relay if contacts are visibly damaged or fused.
Intermittent operation	Loose wiring connections; Unstable coil voltage; Excessive vibrations	Secure all terminal connections; Ensure a stable AC 24V supply; Mount relay securely to minimize vibrations.

TECHNICAL SPECIFICATIONS

Feature	Specification
Product Name	Electromagnetic Relay
Model	MY3J
Coil Voltage	AC 24V
Contact Capacity	5A 250VAC / 28VDC
Contact Type	3PDT (Triple Pole Double Throw)
Number of Terminals	11
Mount Rail Type	35mm DIN Rail
Fixing Mount Hole Size	6 x 4mm (L*W)
Total Size (Approx.)	71 x 30 x 65mm (L*W*H)
Shell Material	Plastic
Main Color	Black, Clear Blue
Net Weight	70g
Operation Mode	Automatic
Current Rating	5 Amps
Maximum Switching Current	5 Amps
Manufacturer	Aexit

WARRANTY INFORMATION

This Aexit product is covered by the standard manufacturer's warranty. For detailed information regarding warranty terms, conditions, and duration, please refer to the documentation provided at the time of purchase or contact Aexit customer support directly.

CUSTOMER SUPPORT

For technical assistance, troubleshooting guidance, or any product-related inquiries, please reach out to Aexit customer support. You can typically find contact information on their official website or through the retailer from whom you purchased this product.

ASK A QUESTION ABOUT THIS MANUAL

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