Gewiss GW96932

Gewiss GW96932 Relay User Manual

Model: GW96932

1. Introduction

This manual provides essential information for the safe and correct installation, operation, and maintenance of the Gewiss GW96932 Relay. This device is a 2-way (DPDT) relay designed for switching electrical circuits with a 24V DC coil and 16A contact rating. Please read these instructions thoroughly before installation and retain them for future reference.

2. Safety Information

Electrical installations must be carried out by qualified personnel in accordance with national and local wiring regulations. Failure to follow these instructions may result in electric shock, fire, or serious injury.

- Always disconnect power to the circuit before installing, servicing, or removing the relay.
- Verify that the supply voltage and current ratings match the relay's specifications.
- Do not operate the relay if it appears damaged.
- Ensure all connections are secure and properly insulated.
- This relay is designed for indoor use in dry environments unless otherwise specified.

3. Product Overview

The Gewiss GW96932 is a compact electromechanical relay. It features a 24V DC coil and two sets of changeover contacts (DPDT - Double Pole Double Throw), each rated for 16A. The relay is typically mounted on a DIN rail or within an enclosure.

Figure 1: Front view of the Gewiss GW96932 Relay. This image illustrates the general appearance of the relay, including its housing and visible terminal connections for the coil and contacts. The compact design is suitable for integration into control panels.

The relay's terminals are typically labeled for easy identification of the coil connections and the common (COM), normally open (NO), and normally closed (NC) contacts for each pole.

4. Installation and Setup

4.1 Mounting

The GW96932 relay is designed for secure mounting within an electrical enclosure or on a standard DIN rail, depending on the specific model and base used. Ensure adequate ventilation around the relay to prevent overheating.

4.2 Wiring

Refer to the wiring diagram provided with the relay or on its housing for precise terminal connections. The following is a general guide:

- **Coil Connections:** Connect the 24V DC control voltage to the designated coil terminals. Observe polarity if indicated.
- **Contact Connections:** Connect the load circuit to the appropriate contact terminals (Common, Normally Open, Normally Closed). Ensure the load current does not exceed 16A per contact.
- Use appropriate wire gauges for the current being carried to prevent overheating.

After wiring, double-check all connections for tightness and correctness before applying power.

5. Operating Instructions

The Gewiss GW96932 relay operates by energizing its 24V DC coil. When the coil is energized, the internal contacts switch from their normally closed (NC) position to their normally open (NO) position. When the coil is de-energized, the contacts return to their original NC position.

- Apply 24V DC to the coil terminals to activate the relay.
- Remove 24V DC from the coil terminals to deactivate the relay.
- The relay acts as a switch, controlling the flow of current through the connected load circuits.

6. Maintenance

The Gewiss GW96932 relay is generally maintenance-free under normal operating conditions. However, periodic inspection is recommended:

- Visually inspect the relay for any signs of physical damage, discoloration, or overheating.
- Check all terminal connections for tightness to ensure good electrical contact.
- Ensure the operating environment remains within specified temperature and humidity limits.

Do not attempt to open or repair the relay. If the relay malfunctions, it should be replaced by a qualified technician.

7. Troubleshooting

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

- **Relay not activating:**
  - Check if 24V DC is present at the coil terminals when activation is expected.
  - Verify coil polarity if applicable.
  - Ensure the coil terminals are securely connected.
- **Load not switching:**
  - Confirm the relay coil is activating (a click sound or visual indicator if present).
  - Check continuity across the contacts when the relay is activated.
  - Ensure the load circuit is correctly wired to the NO or NC contacts as intended.
  - Verify the load current does not exceed the contact rating (16A).
- **Overheating:**
  - Ensure adequate ventilation around the relay.
  - Check if the load current exceeds the relay's contact rating.

If issues persist, consult a qualified electrician or contact Gewiss support.

8. Specifications

Parameter	Value
Model Number	GW96932
Brand	Gewiss
Coil Voltage	24V DC
Contact Configuration	2W (DPDT - Double Pole Double Throw)
Contact Current Rating	16A
Operating Voltage (Contacts)	Up to 250 Volts (AC/DC, depending on load type)
Color	White (Farbe Weiß)
Quantity	1

9. Disposal

This product should not be disposed of with household waste. Please dispose of it in accordance with local regulations for electronic waste. Proper disposal helps prevent potential negative consequences for the environment and human health.

10. Warranty and Support

Gewiss products are manufactured to high-quality standards. For information regarding warranty terms, technical support, or spare parts availability, please refer to the official Gewiss website or contact your local Gewiss distributor. Keep your purchase receipt as proof of purchase.