

- Manuals.plus /
- > Aexit /
 - > DC 24V Antitheft 30A 4 Pins 1No Contact Type Vehicle Car Fuse Relay User Manual

Aexit modle

User Manual: DC 24V Antitheft 30A 4 Pins 1No Contact Type Vehicle Car Fuse Relay

Brand: Aexit | Model: modle

1. PRODUCT OVERVIEW

The Aexit DC 24V Antitheft 30A 4 Pins 1No Contact Type Vehicle Car Fuse Relay is designed for various automotive applications. This high-quality relay features a robust 4-pin layout and includes a mounting tab for secure installation. Each relay is rated for a maximum of 30 Amps at 12V DC and comes with a loose metal bracket, allowing for flexible mounting options or use without the bracket.



Figure 1: Overview of the Aexit DC 24V 30A Car Fuse Relays and included mounting brackets.

2. KEY FEATURES

- **Country of Manufacture:** CHINA; **Material:** Plastic, Metal; **Net Weight:** 163g (for the 5-piece package).
- **Package Content:** 5pcs x Car Relay, 5pcs x Bracket; **Model:** JD2912; **Main Color:** Black.
- **Product Name:** Car Relay; **Contact Type:** 1NO (SPST); **Pin Number:** 4.
- **Rated Current:** 30A; **Mounting Rail Length:** 12mm/0.5"; **Rated Voltage:** DC 24V.
- **Hole Dia. (On Bracket):** 6mm/0.24"; **Total Size (Not Included Bracket):** 34 x 25 x 43mm/1.3" x 1" x 1.7" (L*W*H).

3. SETUP AND INSTALLATION

The Aexit Car Fuse Relay is designed for straightforward installation in vehicle electrical systems. Ensure the vehicle's power is disconnected before beginning installation to prevent electrical shock or damage.

1. **Identify Mounting Location:** Choose a secure and dry location within your vehicle's electrical system for mounting the relay.

2. **Attach Bracket (Optional):** If using the metal mounting bracket, slide it onto the relay's designated slot until it clicks into place. The bracket provides a sturdy mount point.

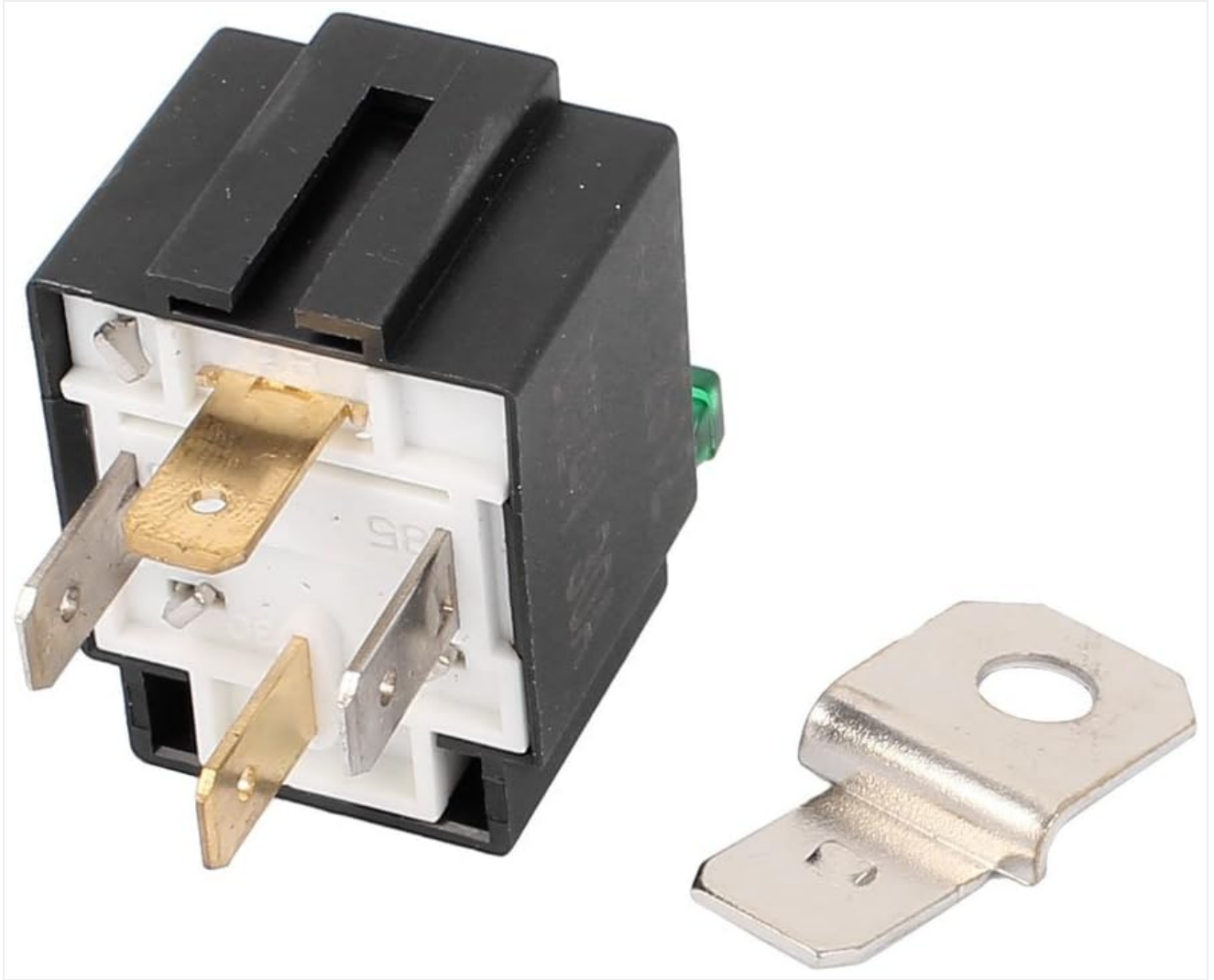


Figure 2: A single relay with its detachable mounting bracket.

3. **Secure the Relay:** Use appropriate fasteners (not included) through the hole in the mounting bracket (6mm/0.24" diameter) to secure the relay to the chosen surface. If not using the bracket, ensure the relay is secured to prevent movement.
4. **Connect Wiring:** The relay features a 4-pin layout designed to accept female spade terminals. Connect the appropriate wires to the pins according to your circuit diagram. The contact type is 1NO (Single Pole, Normally Open), meaning the circuit is open until the coil is energized.
5. **Insert Fuse:** Ensure the green 30A fuse is properly seated in the top slot of the relay. This fuse provides overcurrent protection for the circuit controlled by the relay.

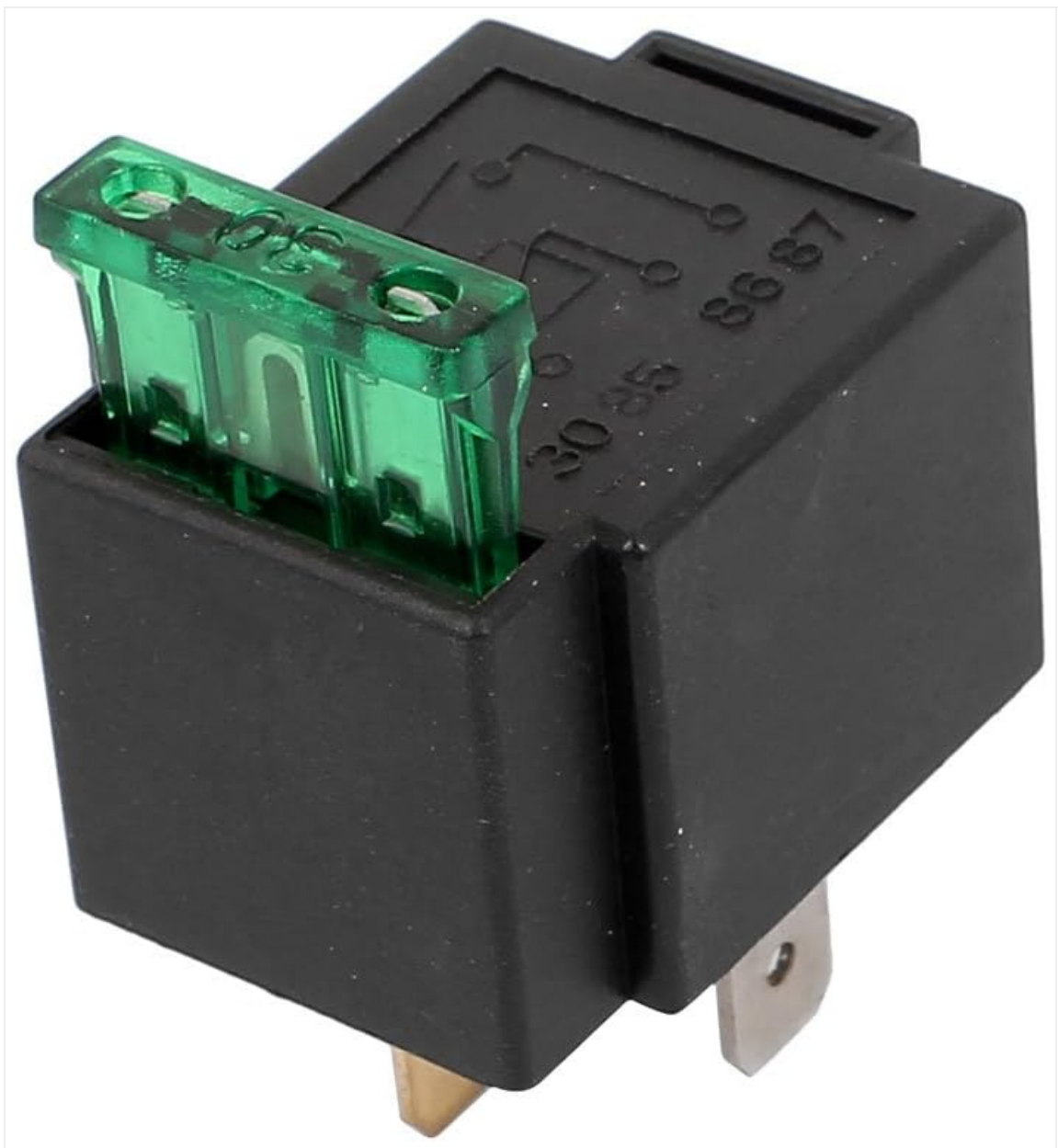


Figure 3: Close-up of the relay with the 30A fuse inserted.

6. **Verify Connections:** Double-check all wiring connections for correctness and security before restoring power to the vehicle.

Note: Professional installation is recommended for complex electrical systems. Always refer to your vehicle's wiring diagrams and safety guidelines.

4. OPERATING INSTRUCTIONS

The Aexit Car Fuse Relay operates as a simple ON/OFF switch for electrical circuits. When the coil of the relay receives the specified DC 24V input, it energizes, causing the internal contacts to close. This completes the circuit, allowing current to flow through the main contacts (rated at 30A). When the 24V input to the coil is removed, the contacts open, breaking the circuit.

This relay is commonly used to control high-current devices (like headlights, fuel pumps, or cooling fans) using a low-current switch, protecting the primary switch from high loads.

5. MAINTENANCE

The Aexit Car Fuse Relay is designed for long-term, maintenance-free operation. However, periodic checks can help ensure optimal performance:

- **Visual Inspection:** Periodically inspect the relay and its connections for any signs of corrosion, loose wiring, or physical damage.
- **Fuse Check:** If the controlled device is not functioning, check the 30A fuse within the relay. A blown fuse indicates an overcurrent condition and should be replaced with a fuse of the same rating (30A).
- **Cleanliness:** Keep the relay free from excessive dust, dirt, and moisture to prevent potential issues.

6. TROUBLESHOOTING

If the relay or the connected device is not functioning as expected, consider the following troubleshooting steps:

- **No Power to Device:**
 - Check if the 30A fuse in the relay is intact. Replace if blown.
 - Verify that the 24V DC control voltage is reaching the relay coil.
 - Ensure all wiring connections to the relay are secure and correctly terminated.
 - Test the relay's continuity across the main contacts when the coil is energized (with power disconnected for safety).
- **Relay Clicking but Device Not Activating:**
 - This indicates the coil is energizing, but there might be an issue with the main contacts or the load circuit.
 - Check the wiring from the relay's main contacts to the device.
 - Ensure the device itself is not faulty.
- **Relay Overheating:**
 - Ensure the current draw of the connected device does not exceed the relay's 30A rating.
 - Verify proper ventilation around the relay.

If issues persist, consult a qualified automotive electrician.

7. TECHNICAL SPECIFICATIONS

Specification	Value
Brand	Aexit
Model Number	modle (JD2912)
Rated Voltage	DC 24V
Rated Current	30 Amps
Contact Type	1NO (SPST)
Pin Number	4
Material	Plastic, Metal
Total Size (L*W*H)	34 x 25 x 43mm / 1.3" x 1" x 1.7" (Excluding bracket)
Hole Diameter (on Bracket)	6mm / 0.24"
Net Weight (5pcs)	163g

Specification	Value
First Available Date	December 17, 2018

8. WARRANTY AND SUPPORT

Specific warranty terms and direct manufacturer support contact information for the Aexit DC 24V Antitheft 30A 4 Pins 1No Contact Type Vehicle Car Fuse Relay are not provided in the product details. For any inquiries regarding returns or replacements, please refer to the retailer's policy where the product was purchased.

For technical assistance or further information, it is recommended to contact the seller directly through the platform of purchase or consult a qualified automotive electrical professional.

© 2024 Aexit. All rights reserved.

ASK A QUESTION ABOUT THIS MANUAL

Ask about setup, troubleshooting, compatibility, parts, safety, or missing instructions. Manuals+ will review the question and use this page's manual context to help answer it.

Name

Anonymous

Email

you@example.com

After a successful submission, we securely hash the supplied account or form email before sending it to Microsoft Advertising for conversion attribution. [Privacy details](#).

Question

Example: How do I reset this device or fix this error?

Details

Model number, symptoms, what you tried, or the section of the manual you are using.

Submit question

Open the live page

<https://manuals.plus/asin/B07LFH1XHV>

More documents and user manuals: <https://manuals.plus/>