

[Manuals.plus](#) /

› [Greluma](#) /

› User Manual: Greluma 200A Car Battery Isolator Switch

Greluma Greluma-200A-12V-24V

User Manual: Greluma 200A Car Battery Isolator Switch

Model: Greluma-200A-12V-24V

For 12V-24V Battery Systems in Marine, Boat, Caravan, Vehicle, Motorcycle, Bus Applications

1. INTRODUCTION

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Greluma 200A Car Battery Isolator Switch. This device is designed to safely disconnect the battery to prevent power drain when a vehicle or boat is not in use, and to protect the electrical system.



Figure 1.1: Various views of the Greluma 200A Battery Isolator Switch, showcasing its design and components.

2. PRODUCT FEATURES

- **Excellent Function:** Safely disconnects the battery to avoid power outages when the vehicle or boat is not in use.
- **Heavy Duty Use:** Load capacity with 300A intermittent, 200A continuous at max. 32V DC to isolate and protect the electrical system.
- **Quality Material:** Constructed from high-quality ABS + metal, featuring a removable back cover that insulates rear connections from short circuits.
- **Compact Design:** Modern and stylish appearance, sturdy and durable.
- **Waterproof Cover:** Protects the keyhole from environmental elements.
- **2 Positions:** ON/OFF operation.

3. PACKAGE CONTENTS

The package includes the following items:

- 1 x 200A Battery Disconnect Switch
- 4 x Copper Ring Terminals
- 4 x Heat Shrink Tubes



Figure 3.1: Contents of the package, showing the battery isolator switch, copper ring terminals, and heat shrink tubes.



Figure 3.2: Front view of the product packaging, displaying the model number and barcode.



Figure 3.3: Close-up of the product box, showing manufacturer details and recycling information.

4. SPECIFICATIONS

Specification	Value
Model Number	Greluma-200A-12V-24V
Operation Mode	ON-OFF
Contact Type	Normally Open
Connector Type	Ring Terminal
Terminal Material	Copper
Mounting Type	Surface Mount
Circuit Type	1-way
Continuous Current Rating	200A (at max. 32V DC)
Intermittent Current Rating	300A
Product Dimensions (L x W x H)	2.56 x 2.24 x 1.85 inches
International Protection Rating	IP00

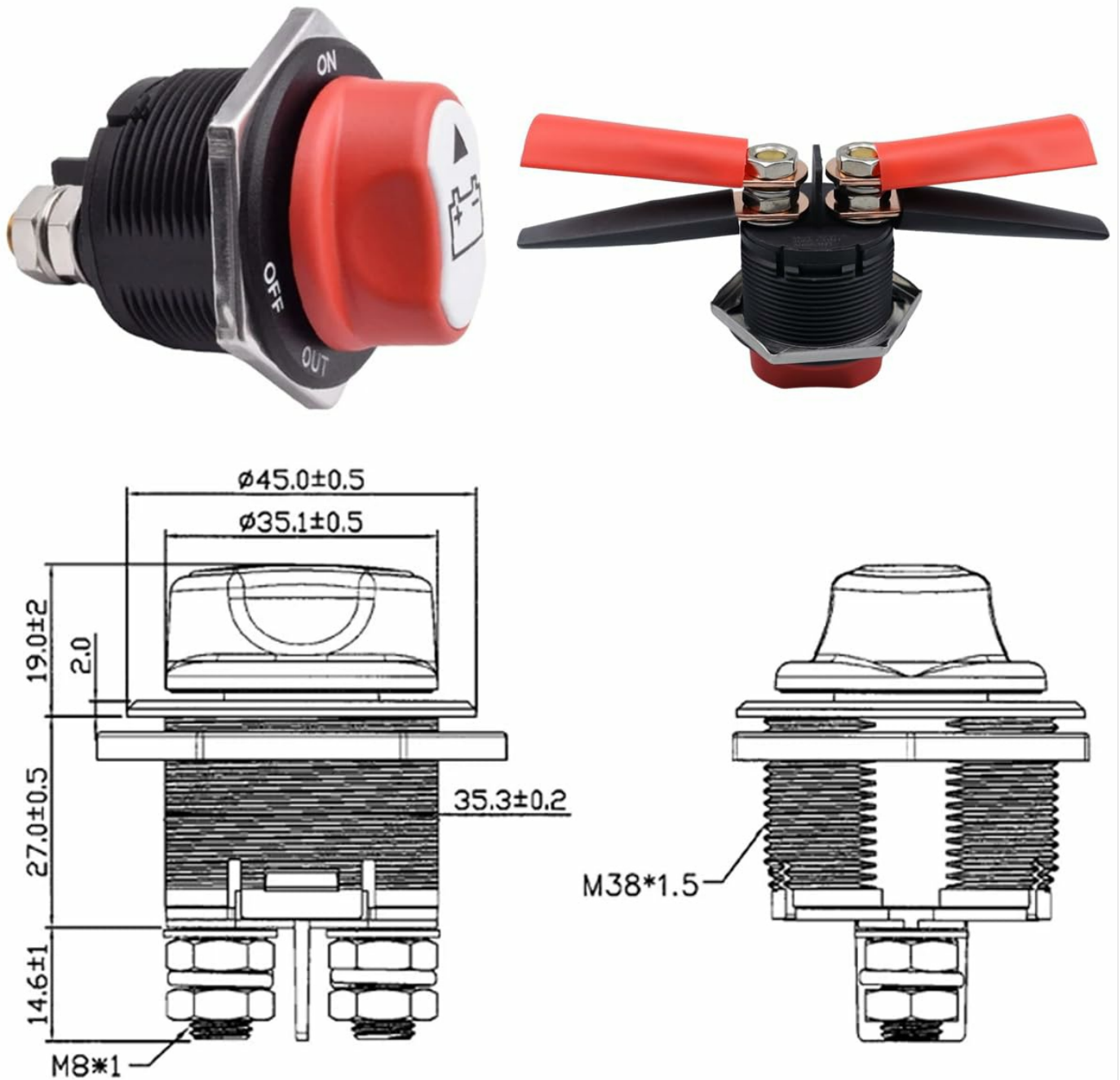


Figure 4.1: Detailed dimensional drawing of the battery isolator switch, showing various measurements for installation planning.

5. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the battery isolator switch. Failure to do so may result in property damage, serious injury, or death.

- Always disconnect the negative battery terminal first before working on any electrical system.
- Wear appropriate personal protective equipment (PPE), including safety glasses and insulated gloves.
- Ensure the vehicle's ignition is off and the parking brake is engaged.
- Verify that the switch's current rating is suitable for your application.
- Avoid short circuits. The removable back cover helps insulate rear connections, but proper installation is crucial.
- Do not install in areas exposed to excessive moisture or extreme temperatures beyond the product's operating limits.
- If you are unsure about any part of the installation process, consult a qualified professional.

6. SETUP AND INSTALLATION

The Greluma battery isolator switch is designed for surface mounting. Follow these general steps for installation:

1. **Preparation:** Ensure the vehicle's electrical system is completely de-energized. Disconnect the negative (-) battery cable first, then the positive (+) cable.
2. **Choose Mounting Location:** Select a dry, accessible, and secure location for the switch. Refer to the dimensional drawing (Figure 4.1) for mounting hole requirements.
3. **Mount the Switch:** Secure the switch firmly to the chosen surface using appropriate fasteners (not included).
4. **Wiring:**
 - Identify the battery positive (+) cable that you wish to interrupt.
 - Cut the cable and strip the ends.
 - Crimp the supplied copper ring terminals onto the stripped cable ends. Ensure a secure connection.
 - Apply heat shrink tubes over the crimped connections for insulation and protection.
 - Connect one end of the interrupted cable to the "IN" terminal of the switch and the other end to the "OUT" terminal. Ensure connections are tight and secure.
5. **Reconnect Battery:** Once the switch is securely wired, reconnect the positive (+) battery cable first, then the negative (-) battery cable.
6. **Test Functionality:** Turn the switch to the "ON" position and verify that power is restored to the vehicle's electrical system.

MADE OF HEAVY DUTY ABS PLASTIC HOUSING

Durable and safe to use. The rear cover insulates the rear terminals to prevent short circuits



Figure 6.1: View of the switch's terminals and the insulating rear cover, highlighting connection points for wiring.

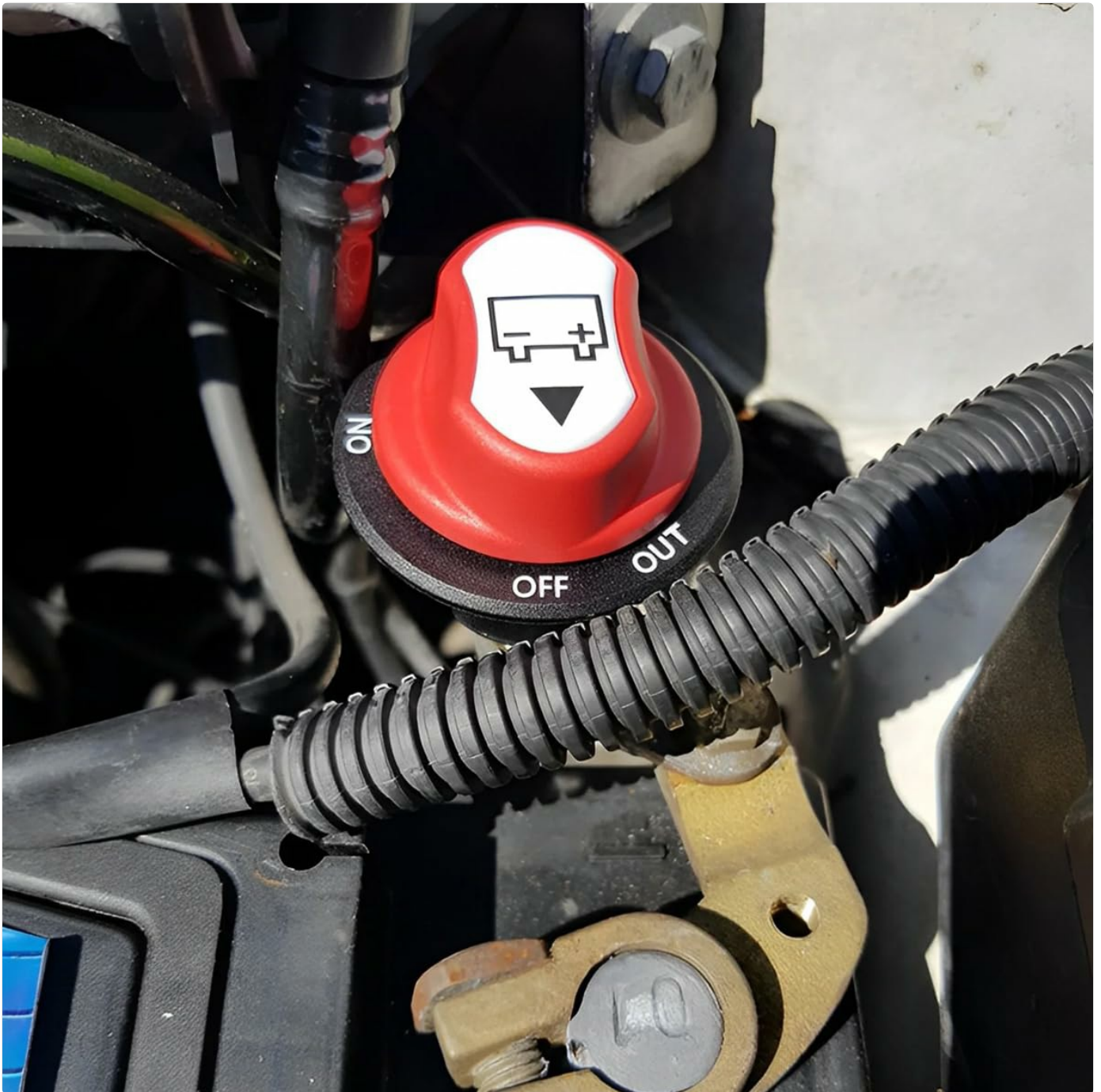


Figure 6.2: Example of the battery isolator switch installed within a vehicle's engine compartment, connected to the battery system.

7. OPERATION

The Greluma battery isolator switch features a simple ON/OFF operation.

- **ON Position:** Rotate the red knob to the "ON" position (indicated by the arrow pointing towards "ON"). In this position, the battery circuit is closed, and power is supplied to the vehicle's electrical system.
- **OFF Position:** Rotate the red knob to the "OFF" position (indicated by the arrow pointing towards "OFF"). In this position, the battery circuit is open, and power is disconnected from the vehicle's electrical system. This is recommended for long-term storage or maintenance to prevent battery drain and enhance safety.

CAR BATTERY SWITCH

On/off 2 positions, the knob is detachable, and the white cover can be removed

200A



Figure 7.1: Visual representation of the ON and OFF positions of the switch, and how the knob can be detached for security or maintenance.

8. MAINTENANCE

Regular maintenance ensures the longevity and reliable operation of your battery isolator switch.

- **Inspect Connections:** Periodically check all electrical connections to the switch for tightness and corrosion. Loose connections can cause resistance and heat buildup.
- **Clean:** Keep the switch clean and free of dirt, dust, and moisture. Use a dry cloth for cleaning. Do not use abrasive cleaners or solvents.
- **Check for Damage:** Inspect the switch housing and terminals for any signs of physical damage, cracks, or discoloration. Replace the switch if any damage is observed.

9. TROUBLESHOOTING

If you encounter issues with your battery isolator switch, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
No power to vehicle when switch is ON.	• Switch not fully in ON position. • Loose or corroded connections. • Blown fuse in the circuit (if applicable). • Faulty switch.	• Ensure knob is fully rotated to ON. • Check and tighten all connections. Clean any corrosion. • Inspect and replace any blown fuses. • Test the switch for continuity. If faulty, replace it.
Switch feels loose or difficult to turn.	• Mounting nut loose. • Internal mechanism issue.	• Tighten the mounting nut. • If internal, the switch may need replacement.

10. UNIVERSAL APPLICATION

This car battery isolator switch is designed for wide compatibility and is commonly used in various 12V-24V DC applications, including but not limited to:

- Sailboats and Yachts
- Marine Vessels
- SUVs and Cars
- Buses and Touring Cars
- Caravans and RVs
- Motorcycles
- Trucks

APPLICATION AND EASE OF USE

Widely used in automotive, RV, ATV and marine batteries, etc., also used in electrical equipment



Figure 10.1: Examples of diverse applications for the battery isolator switch, including automotive, marine, and recreational vehicles.

11. WARRANTY AND SUPPORT

For warranty information, technical support, or any inquiries regarding your Greluma product, please contact the manufacturer directly or refer to the product listing where you made your purchase.

Manufacturer: Greluma

Product ASIN: [B0CJF7X9C4](#)

© 2024 Greluma. All rights reserved.

This manual is for informational purposes only. Specifications are subject to change without notice.

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