Saved from manuals.plus.
Open the live page for links to other documents and user manuals.

Spurtar 701S

Spurtar 1-2-Both-Off Battery Disconnect Switch User Manual

Model: 701S | Brand: Spurtar

1. Introduction

This manual provides essential information for the safe and effective installation, operation, and maintenance of your Spurtar 1-2-Both-Off Battery Disconnect Switch. This switch is designed for use in 12V, 24V, and 48V DC electrical systems, commonly found in automotive, marine, RV, and other vehicle applications. It allows for the isolation of single or dual battery banks, enhancing safety and preventing battery drain.



Image 1.1: Spurtar 4-Position Rotary Switch in various applications.

2. Safety Information

Always observe the following safety precautions to prevent injury or damage to the product and your vehicle's electrical system:

- Disconnect all power sources before installing or servicing the switch.
- Wear appropriate personal protective equipment, including safety glasses and insulated gloves.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not exceed the rated current (200A DC continuous, 455A DC intermittent, 1000A DC cranking) or voltage (12V, 24V, 48V DC) of the switch.
- Install the switch in a dry, protected location away from flammable materials.

3. Setup and Installation

3.1 Package Contents

- 1x Spurtar Battery Disconnect Switch
- 4x Mounting Bolts & Nuts
- 4x Removable Side Panels
- 1x Bottom Plate



Image 3.1: Included components of the Spurtar Battery Disconnect Switch.

3.2 Mounting the Switch

The switch can be surface-mounted. Use the provided bolts and nuts to secure the switch to a flat, stable surface. The four removable side panels allow for flexible cable access. The back cover isolates the rear terminals against short circuits, ensuring compliance with ABYC requirements.



Image 3.2: Detailed views of the switch, including internal terminals and removable panels.

3.3 Wiring Diagram

Refer to the wiring diagram below for proper connection to your battery banks and load. The switch features three 5/16" (8mm) stud terminals for connections. Ensure all connections are tight and corrosion-free.

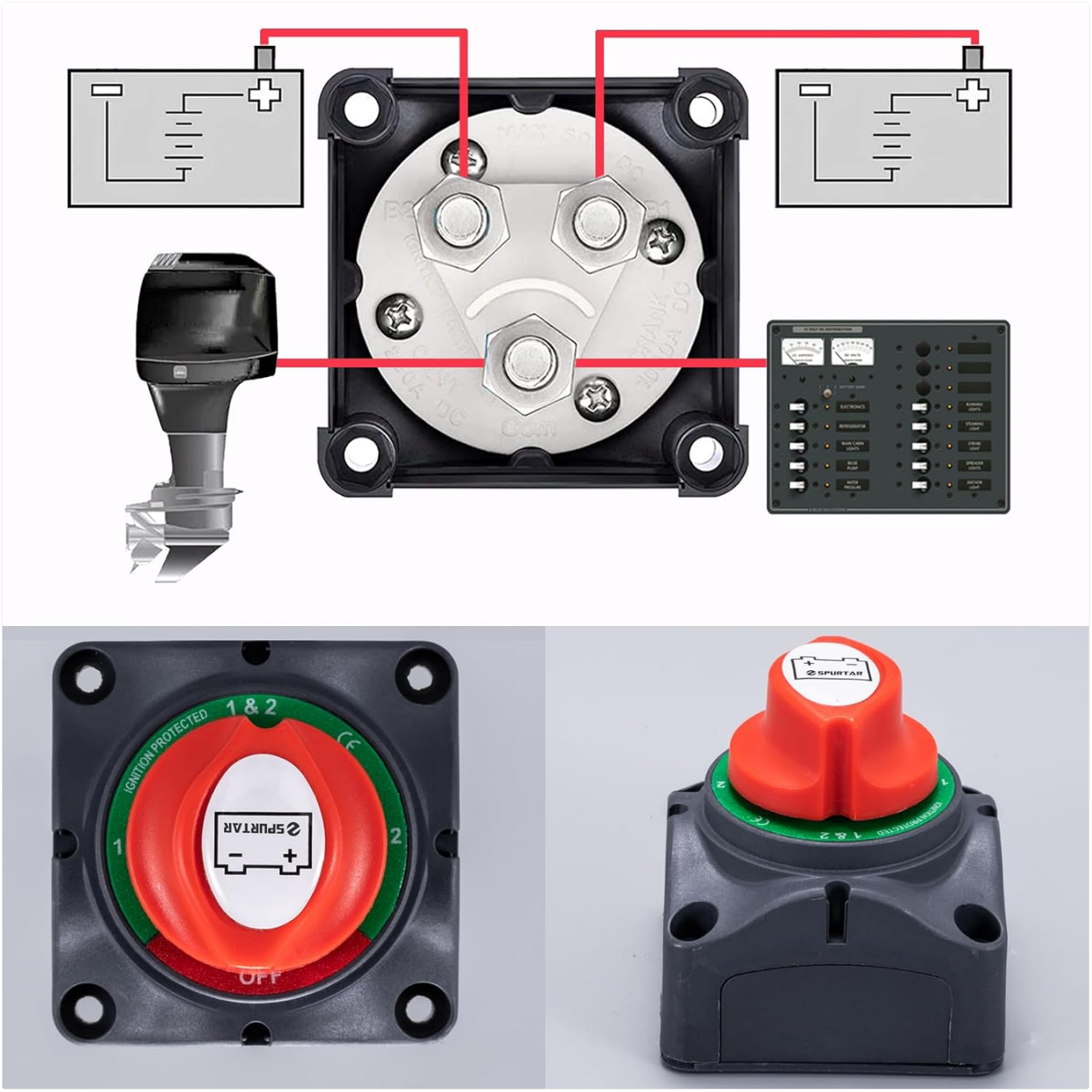

Image 3.3: Typical wiring diagram for dual battery systems.

4. Operating Instructions

The Spurtar Battery Disconnect Switch features a rotary knob with four positions: OFF, 1, 2, and BOTH. Rotate the knob to select the desired battery configuration.

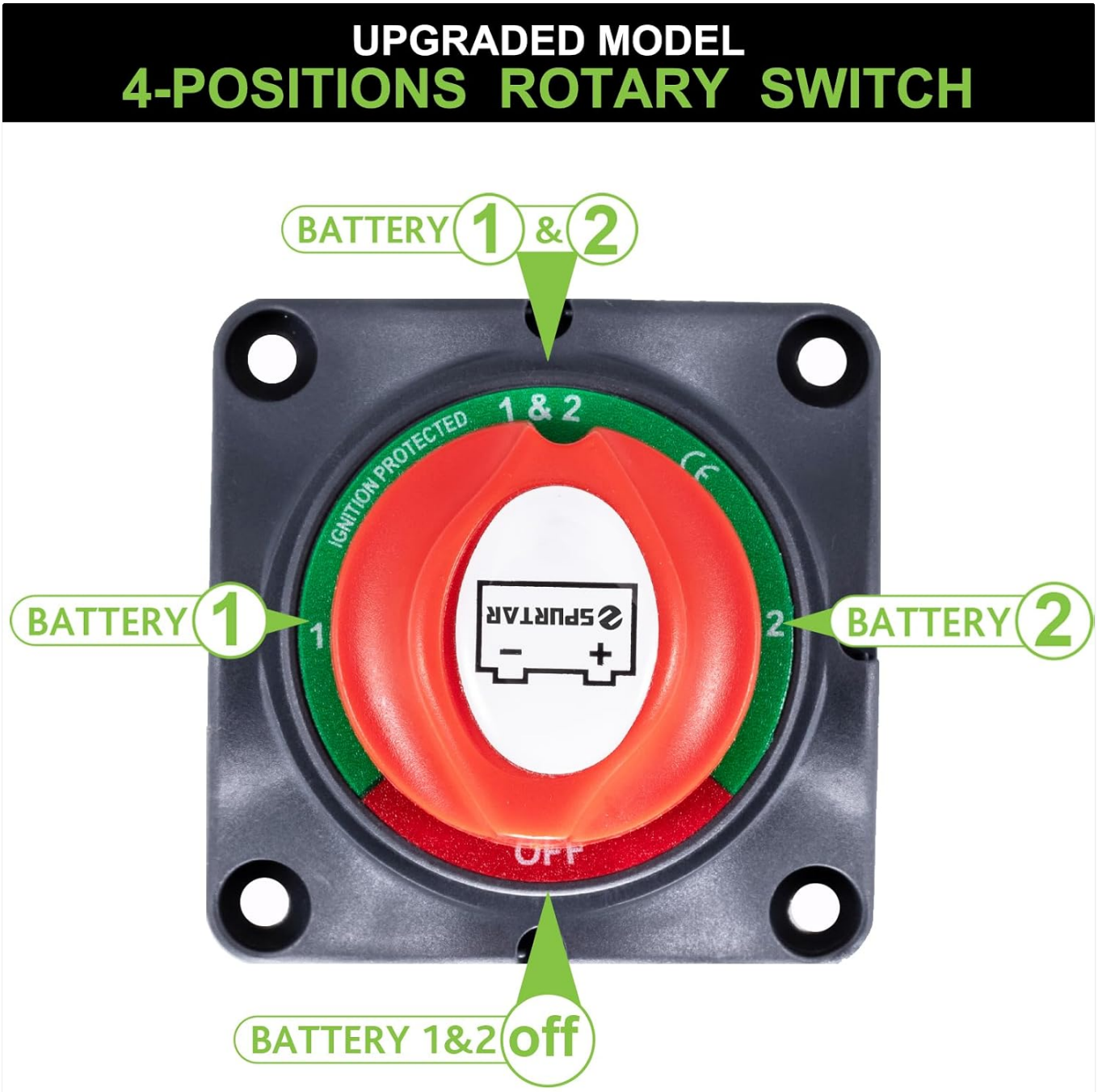

Image 4.1: Rotary switch positions and their labels.

- **OFF:** Disconnects all battery banks from the load. This position is used for complete power shutdown, maintenance, or during storage to prevent battery drain.
- **1:** Connects Battery 1 to the load. Battery 2 is isolated.
- **2:** Connects Battery 2 to the load. Battery 1 is isolated.
- **BOTH:** Connects both Battery 1 and Battery 2 to the load. This position is typically used for starting engines or when maximum power is required.

Always switch to the OFF position before making or breaking any electrical connections to prevent arcing.

5. Maintenance

Regular maintenance ensures the longevity and reliable operation of your battery disconnect switch:

- Periodically inspect all electrical connections for tightness and corrosion. Clean any corroded terminals with a wire brush and apply dielectric grease.

- Check the switch housing for any signs of damage or wear.
- Ensure the rotary knob operates smoothly and clicks firmly into each position.
- Keep the switch clean and free from dirt, dust, and moisture.

6. Troubleshooting

If you experience issues with your battery disconnect switch, consider the following:

- **No Power to Load:**
  - Ensure the switch is not in the OFF position.
  - Check battery voltage.
  - Inspect all wiring connections for looseness or corrosion.
  - Verify that fuses or circuit breakers in the system are not tripped.
- **Switch Feels Loose or Sticky:**
  - The switch may require cleaning or replacement if internal components are worn.

For persistent issues, consult a qualified electrician or marine technician.

7. Specifications

Detailed technical specifications for the Spurtar 1-2-Both-Off Battery Disconnect Switch:

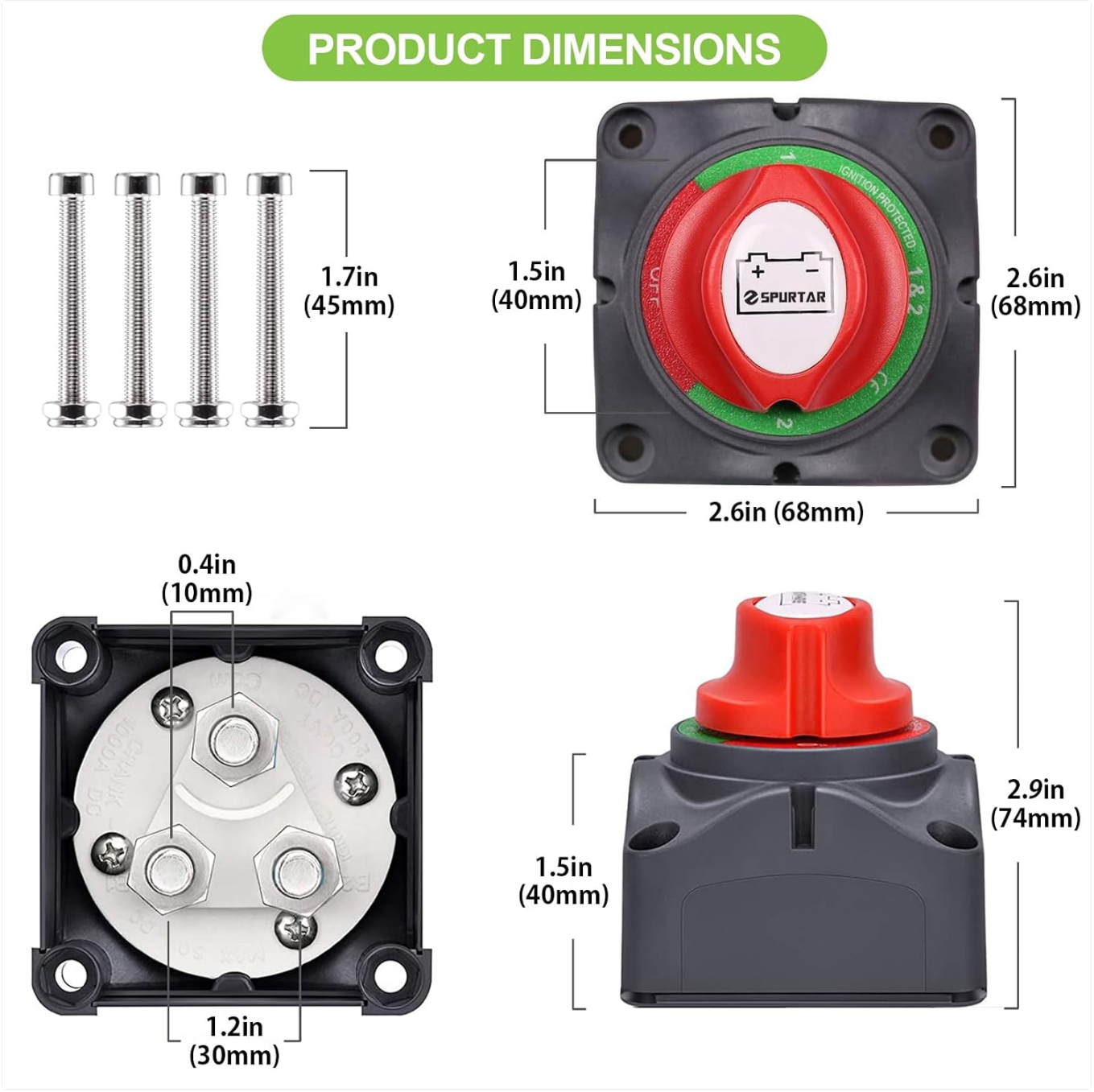

Image 7.1: Product dimensions.

Model Number	701S
Operating Voltage	12V, 24V, 48V DC
Continuous Current Rating	200A DC
Intermittent Current Rating (5 min)	455A DC
Cranking Current Rating (10 sec)	1000A DC
Stud Size	3x 5/16" (8mm)
Switch Type	Rotary, 4-Position (OFF, 1, 2, BOTH)
Material	ABS Plastic, Brass
Dimensions (LxWxH)	6.8 x 6.8 x 8 cm (approx. 2.6 x 2.6 x 3.1 inches)

Weight	250 g

8. Warranty

This Spurtar product comes with a 1-year warranty from the date of purchase. The warranty covers defects in materials and workmanship under normal use. A replacement or refund is guaranteed for qualifying issues. Please retain your proof of purchase for warranty claims.

9. Support

For technical assistance, warranty claims, or any questions regarding your Spurtar Battery Disconnect Switch, please contact Spurtar customer support through the retailer's platform or the official Spurtar website. Provide your model number (701S) and a detailed description of the issue for faster service.

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/B0F1ZYFR68

More documents and user manuals: **https://manuals.plus/**