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› Briidea 200A Battery Disconnect Switch User Manual

briidea hx

Briidea 200A Battery Disconnect Switch User Manual

Model: hx

1. ABOUT THE PRODUCT

The Briidea 200A High Current Battery Disconnect Switch is designed to safely disconnect the battery from the electrical system, preventing battery drain when the vehicle or vessel is not in use. It also serves as an emergency power cut-off. This heavy-duty switch features a durable metal case for weather resistance and is suitable for DC 12-48V systems.

Key Features:

- **Safety Protection:** Provides power cut-off to the electrical system, preventing battery drain and offering an emergency disconnect.
- **High Current Rating:** Rated for 200 Amps continuous duty and 1000 Amps intermittent duty, compatible with 12-48 VDC systems.
- **Durable Construction:** Features a heavy-duty metal case for strong weather resistance, protecting internal components.
- **Easy Operation:** Simple on/off indicator with a definitive click for clear status.
- **Wide Application:** Suitable for ATVs, trailers, off-road vehicles, RVs, trucks, heavy vehicles, cars, and boats.

Safety Protection



▲ Metal Handle: sturdy and durable



▲ Durable metal body has strong weather resistance

Image 1: The Briidea battery disconnect switch, highlighting its robust metal handle and durable metal body for safety and protection.

High Current Battery Disconnect Switch

Rated to 200A Continuous or 1000A Intermittent



Image 2: A close-up view of the Briidea High Current Battery Disconnect Switch, emphasizing its heavy-duty construction and terminals.



Image 3: The battery disconnect switch surrounded by images of various vehicles including trucks, boats, RVs, and cars, illustrating its wide range of applications.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installing or operating the Briidea Battery Disconnect Switch. Failure to follow these instructions may result in property damage, serious injury, or death.

- **Electrical Hazard:** Always disconnect the battery's negative terminal first before working on any electrical system to prevent accidental short circuits.
- **Explosion Risk:** **DO NOT** attach positive and negative cables to the shut-off switch at the same time. This can cause a battery explosion.
- **Voltage Compatibility:** Ensure the switch is used within its specified voltage range (DC 12-48V).
- **Proper Installation:** Incorrect installation can lead to electrical failures or fire. If unsure, seek professional assistance.
- **Ventilation:** Ensure adequate ventilation when working with batteries.
- **Personal Protective Equipment:** Always wear appropriate safety glasses and gloves when working with batteries and

electrical systems.

3. PACKAGE CONTENTS

Verify that all items are present and undamaged upon opening the package:

- 1 x Briidea Battery Disconnect Switch
- 1 x Faceplate

4. SETUP AND INSTALLATION

Follow these steps carefully to install the Briidea Battery Disconnect Switch:

1. **Step 1: Disconnect Battery**

Before beginning any work, ensure the vehicle's or vessel's battery is completely disconnected. Always disconnect the negative terminal first.

2. **Step 2: Determine Negative Cable**

Identify the negative cable of your battery system. The switch is typically installed on the negative (ground) side of the battery circuit.

3. **Step 3: Choose Mounting Position**

Select a suitable, secure, and easily accessible mounting position for the switch. Ensure there is enough space for the switch and its wiring. The switch requires a 3/4" hole for mounting.

4. **Step 4: Install Switch**

Mount the switch securely. Connect the negative battery cable to one terminal of the switch and the vehicle's negative electrical system cable to the other terminal. Ensure all connections are tight using the provided copper terminal studs, nuts, and washers.

5. **Step 5: Reconnect Battery**

Once the switch is securely installed and wired, reconnect the battery's positive terminal first, then the negative terminal.

6. **Step 6: Check Operation**

Test the switch for correct operation by turning it to the "ON" and "OFF" positions.

Product Dimensions

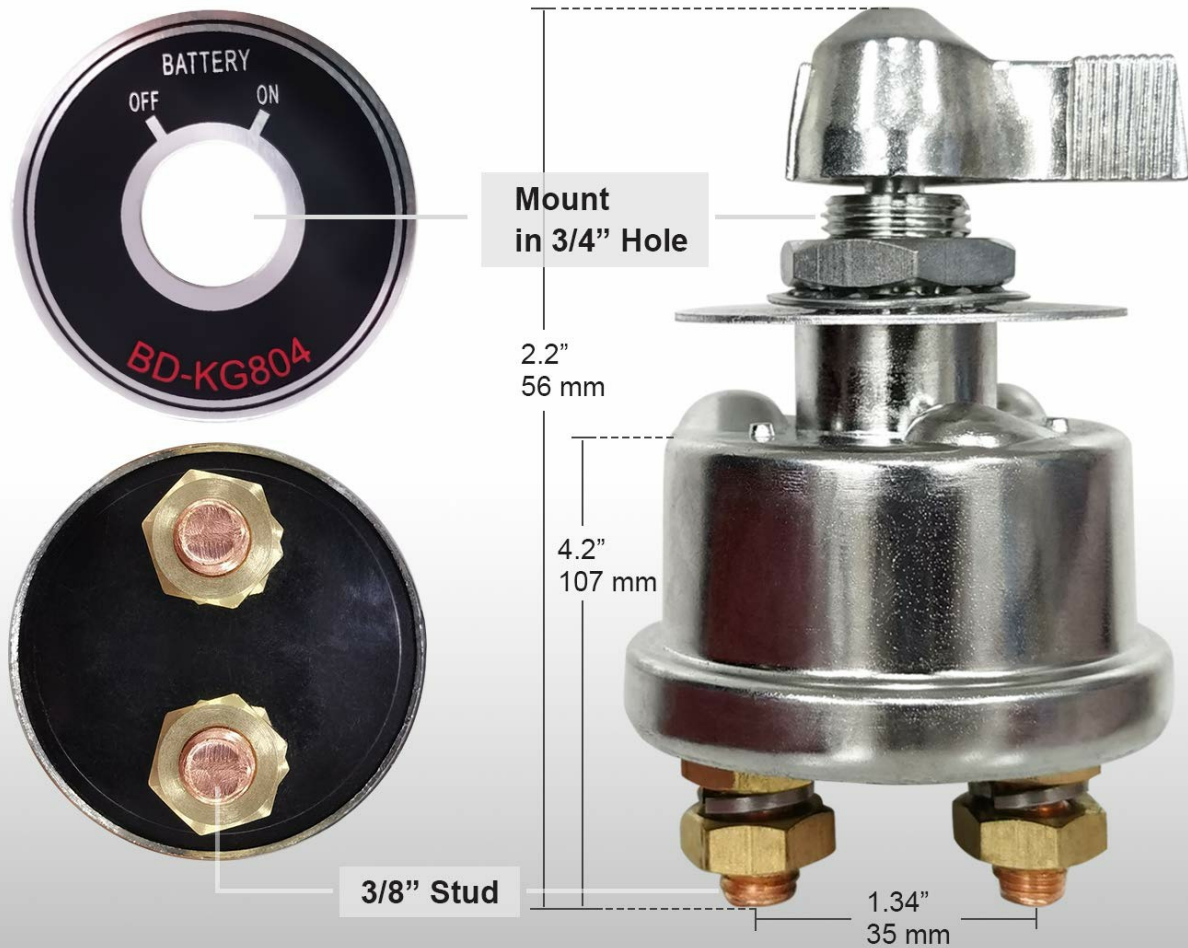


Image 4: Detailed product dimensions of the Briidea battery disconnect switch, showing the 3/8" studs, 3/4" mounting hole, and overall measurements (4.2" / 107mm height, 2.2" / 56mm width).

Easy to Use



Image 5: The battery disconnect switch installed directly on a battery terminal, demonstrating its compact and secure fit.

5. OPERATING INSTRUCTIONS

The Briidea Battery Disconnect Switch features a simple rotary operation:

- **To Disconnect Power (OFF):** Rotate the handle to the "OFF" position. This will cut off all power from the battery to the electrical system, preventing parasitic drain and providing a safety disconnect.
- **To Connect Power (ON):** Rotate the handle to the "ON" position. This will restore power from the battery to the electrical system.

The switch provides a clear tactile "click" when moving between the ON and OFF positions, indicating a secure connection or disconnection.

Easy and Safe to Control Your Battery



Image 6: The battery disconnect switch shown in a marine environment, illustrating its ease of use for controlling battery power in various applications.

6. MAINTENANCE

To ensure optimal performance and longevity of your Briidea Battery Disconnect Switch, follow these maintenance guidelines:

- **Regular Inspection:** Periodically inspect the switch and its connections for any signs of corrosion, loose wiring, or physical damage.
- **Cleaning:** Keep the switch clean and free from dirt, dust, and moisture. Use a dry cloth for cleaning. Avoid using harsh chemicals.
- **Connection Tightness:** Ensure that the terminal nuts remain tight to maintain good electrical contact. Over-tightening can damage the terminals.
- **Environmental Protection:** While the switch has a durable metal case, avoid prolonged exposure to extreme weather conditions or corrosive environments if possible.

7. TROUBLESHOOTING

If you encounter issues with your Briidea Battery Disconnect Switch, refer to the following common problems and solutions:

Problem	Possible Cause	Solution
No power when switch is ON	Loose connections, faulty wiring, dead battery, switch malfunction.	Check all wiring connections for tightness. Verify battery charge. Inspect switch for visible damage.
Battery still drains when switch is OFF	Incorrect wiring (switch bypassed), parasitic draw from another circuit, faulty switch.	Ensure the switch is correctly installed on the main negative battery cable. Investigate other circuits for parasitic draws. Replace switch if faulty.
Switch handle is stiff or difficult to turn	Corrosion, dirt buildup, internal damage.	Clean the switch exterior. If stiffness persists or if there's internal damage, replace the switch.

If troubleshooting steps do not resolve the issue, contact customer support.

8. SPECIFICATIONS

Brand:	briidea
Model:	hx
Current Rating:	200 Amps (Continuous), 1000 Amps (Intermittent)
Operating Voltage:	DC 12-48 Volts
Switch Type:	Kill Switch / Disconnect Switch
Number of Positions:	2 (ON/OFF)
Mounting Type:	Face Mount (requires 3/4" hole)
Terminal Type:	Screw Terminal (3/8" studs)
Material:	Metal (body), Copper (contact material)
Item Dimensions (Height x Width):	4.2" (107mm) x 2.2" (56mm)
Compatible Vehicle Types:	Car, Vehicle, RV, Boat, ATV, Trailer, Off-road, Truck, Heavy Vehicle
UPC:	779288404526

9. WARRANTY INFORMATION

Specific warranty details for the Briidea Battery Disconnect Switch are not provided in this manual. For information regarding warranty coverage, terms, and conditions, please refer to the product packaging or contact Briidea customer support directly.

10. CUSTOMER SUPPORT

For technical assistance, troubleshooting, or inquiries about your Briidea Battery Disconnect Switch, please contact Briidea customer support through their official website or the retailer where the product was purchased.

Visit the Briidea Store: <https://www.amazon.com/stores/briidea/page/29060F5E-58C9-43B0-BD6E-67FCE4770D60>

