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BUNKER INDUST 10WAY-FUSEB-Y-FRD

BUNKER INDUST 4-Way Blade Fuse Box User Manual

Model: 10WAY-FUSEB-Y-FRD

1. PRODUCT OVERVIEW

The BUNKER INDUST 4-Way Blade Fuse Box is designed to provide centralized power distribution and circuit protection for various automotive, marine, and other 10-33 Volt DC applications. It features an LED indicator for blown fuses, a protective cover, and robust construction for reliable performance.



Image 1.1: Top-down view of the BUNKER INDUST 4-Way Blade Fuse Box with various colored blade fuses inserted.

2. PACKAGE CONTENTS

Verify that all items listed below are included in your package:

- 1 x 4-Way Blade Fuse Box Holder
- 12 x Blade Fuses (2x 5A, 2x 10A, 2x 15A, 2x 20A, 2x 30A, 2x 40A)
- 1 x Protection Cover
- 1 x Fuse Puller
- 2 x Screws
- DIY Stickers for circuit identification

HOLDER BOX



BLADE FUSE



PACKAGE INCLUDED

Image 2.1: The fuse box holder, a set of assorted blade fuses, and the transparent protection cover.

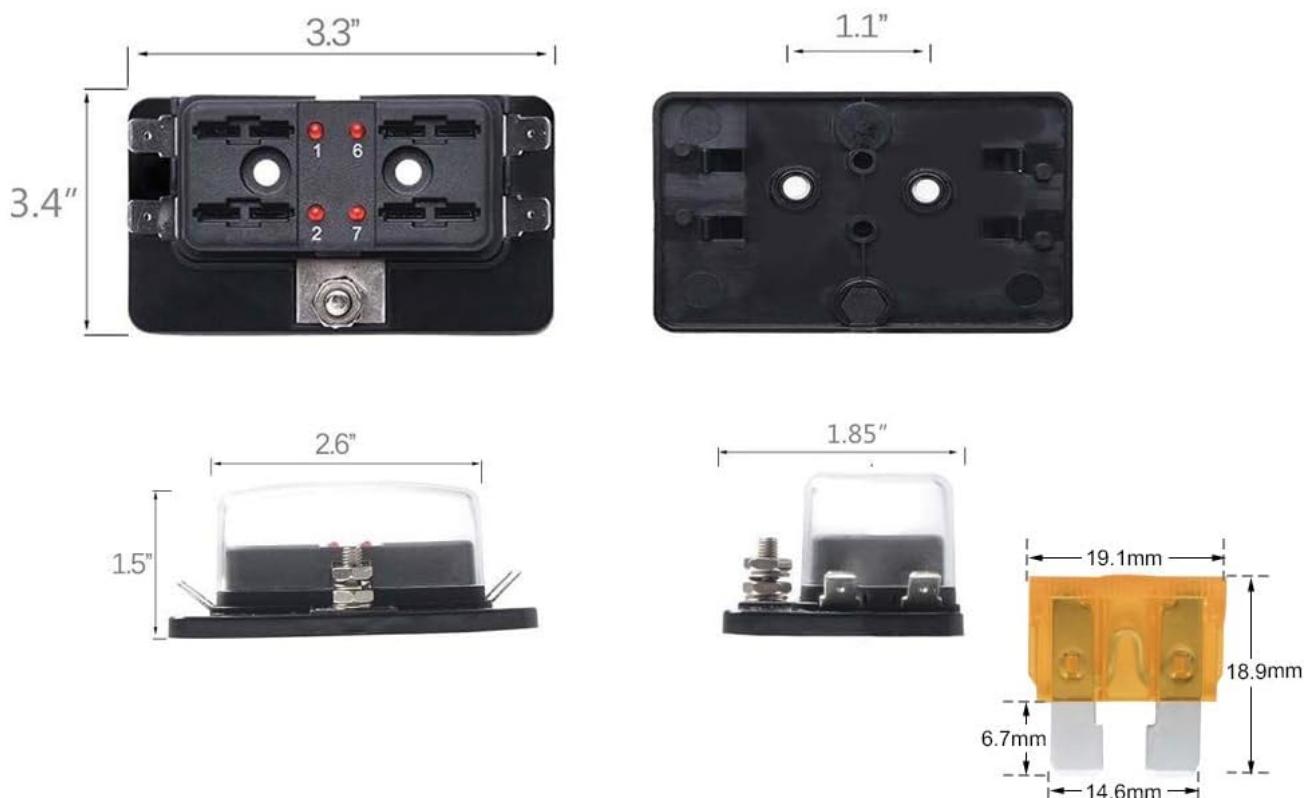
3. SPECIFICATIONS

Attribute	Value
Brand	BUNKER INDUST
Model Number	10WAY-FUSEB-Y-FRD
Voltage Input	10 - 33 V DC
Max. Current per Circuit	30 Amps
Max. Current per Panel	100 Amps
Material	Tin-plating Copper
Mounting Type	Holder
Item Weight	3.2 ounces

Package Dimensions

4.06 x 3.07 x 1.65 inches

PRODUCT DIMENSION



Mounting Holes	Terminal Dim.	Blade Fuse Dim.

Image 3.1: Technical drawing showing the dimensions of the fuse box, mounting holes, terminal dimensions, and blade fuse dimensions.

4. SETUP AND INSTALLATION

Proper installation is crucial for the safe and effective operation of your fuse box. Always ensure the vehicle's power is disconnected before beginning installation.

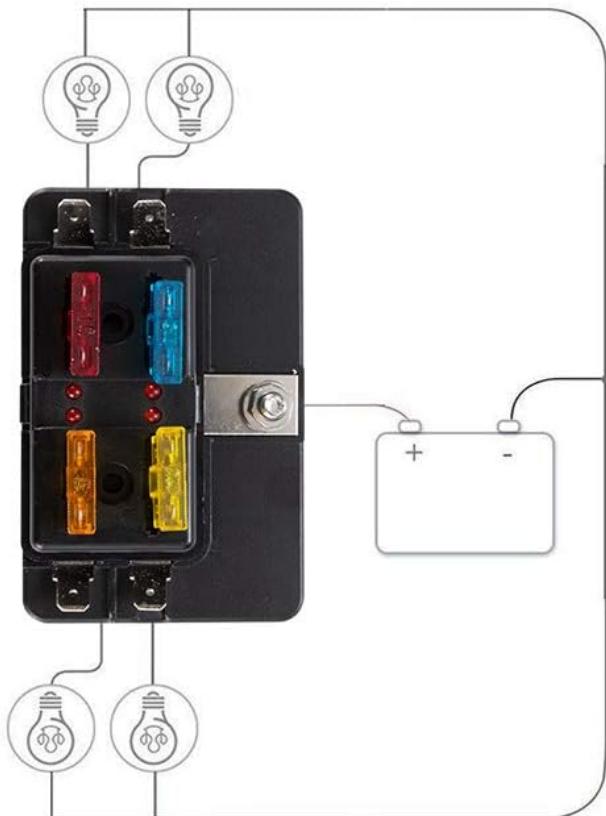
4.1 Wiring Guide

The fuse box is designed for a single power input and four circuit outputs. Connect the main power input to the positive terminal of your battery. Each output terminal will then connect to the positive lead of your accessory. A separate common ground bus (not included) is typically used for the negative connections of your accessories.

- **Input Wire Size:** #4-6 AWG (for main power from battery)
- **Output Wire Size:** #12-16 AWG (for individual accessories)

1 power connection, 4 circuit out

Suggested Wire Size:
Input:#4-6 AWG
Output:#12-16AWG



SIMPLE WIRING GUIDE

Image 4.1: A simplified wiring diagram illustrating the connection of the fuse box to a battery and four separate electrical loads (lights).

4.2 Fuse Installation

Insert the appropriate amperage blade fuses into each circuit slot. The fuse puller included in the package can assist with easy installation and removal of fuses.

4.3 Video Installation Guide

Watch this video for a visual guide on installing and operating a similar 4-way blade fuse block:

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Video 4.1: A demonstration of the RED WOLF 4-Way Blade Fuse Block, showing its components, fuse installation, and basic wiring principles. This video illustrates the ease of operation and the damp-proof cover.

Here is another video demonstrating the installation and features of a 6-way blade fuse block, which shares similar installation principles:

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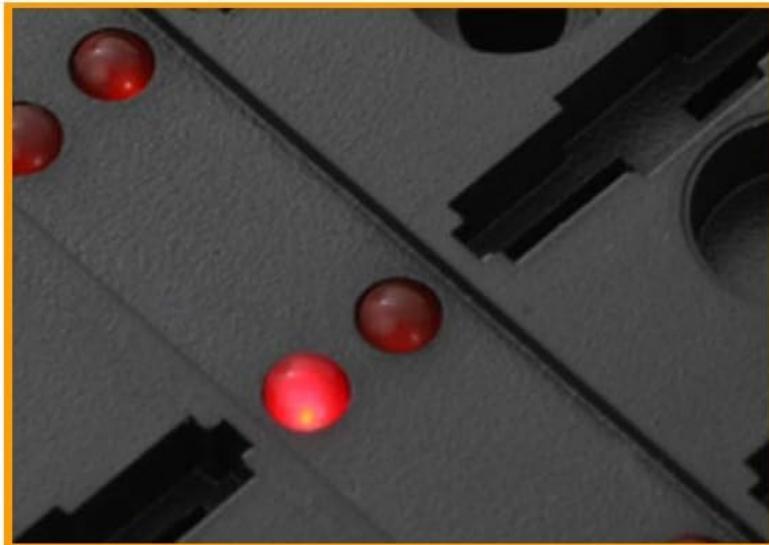
Video 4.2: This video from Electop showcases the installation process of a 6-way blade fuse block, including connecting wires, inserting fuses, and demonstrating the LED indicator for blown fuses.

5. OPERATING INSTRUCTIONS

5.1 LED Indicator for Blown Fuses

Each circuit on the fuse box is equipped with a red LED warning indicator. If a fuse blows, the corresponding red LED next to that fuse will illuminate. This feature allows for quick identification and replacement of faulty fuses without extensive troubleshooting.

SAFE DESIGN



LED INDICATOR FOR BLOWN FUSE

Easily identify & replace blown fuses immediately!



CLIP-LOCK PROTECTION COVER

Simply clip-on the durable plastic cover to add extra protection your fuses

Image 5.1: A close-up view of the fuse box showing a red LED illuminated, indicating a blown fuse in that circuit.

5.2 Fuse Protection Cover

The fuse box includes a transparent, clip-on plastic cover. This cover provides additional protection for the fuses and terminals against splashes, dust, and accidental contact, enhancing the durability and safety of the unit.

HEAVY-DUTY CONSTRUCTION



Max.30 AMP per Circuit
&100 AMP per Panel
Input Voltage 10V-32V DC



1/4"Male Quick
Disconnect Terminals



#10-32 Stud
for Power Feed



Image 5.2: The transparent clip-on cover securely placed over the fuse box, protecting the fuses and terminals.

5.3 Labeling Circuits

Utilize the provided DIY stickers to clearly label each circuit according to the connected accessory (e.g., 'Roof Lights', 'Horn', 'GPS'). This helps in quick identification and management of your electrical system.



Image 5.3: A hand applying a pre-printed label to the transparent cover of the fuse box, indicating the function of a circuit.

6. MAINTENANCE

To ensure optimal performance and longevity of your fuse box, consider the following maintenance tips:

- **Regular Inspection:** Periodically check the fuse box for any signs of corrosion, loose connections, or damage.
- **Fuse Replacement:** Always replace blown fuses with new fuses of the correct amperage rating. Using fuses with incorrect ratings can lead to damage to the fuse box or connected devices.
- **Cleaning:** Keep the fuse box and its cover clean and free from dust and debris. Use a dry cloth for cleaning.

7. TROUBLESHOOTING

Most issues can be resolved by checking the fuses and connections.

- **No Power to an Accessory:** Check the LED indicator for that specific circuit. If the LED is lit, the fuse is blown and needs replacement. If the LED is not lit, check the wiring connections to the accessory and the fuse box.
- **Repeatedly Blown Fuses:** If a fuse blows repeatedly, it indicates an underlying electrical issue, such as a short circuit or an overloaded circuit. Consult a qualified technician to diagnose and resolve the problem.

8. SAFETY INFORMATION

Adhere to these safety guidelines to prevent injury or damage:

- Always disconnect the vehicle's battery before installing or performing maintenance on the fuse box.
- Use only blade fuses of the specified amperage rating. Never use a fuse with a higher rating than recommended for the circuit.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Do not expose the fuse box to excessive moisture or extreme temperatures beyond its operating limits.

9. WARRANTY AND SUPPORT

For warranty information or technical support, please refer to the product packaging or contact BUNKER INDUST customer service. Keep your purchase receipt as proof of purchase.