

Nilight NI-FH01

Nilight NI-FH01 Inline Fuse Holder Instruction Manual

Model: NI-FH01 | Brand: Nilight

INTRODUCTION

The Nilight NI-FH01 Inline Fuse Holder is a high-quality electrical component designed for automotive applications. It provides a secure and water-resistant housing for ATC/ATO blade fuses, ensuring circuit protection and reliable performance in various vehicles. This manual provides essential information for the proper installation, operation, and maintenance of your fuse holder.

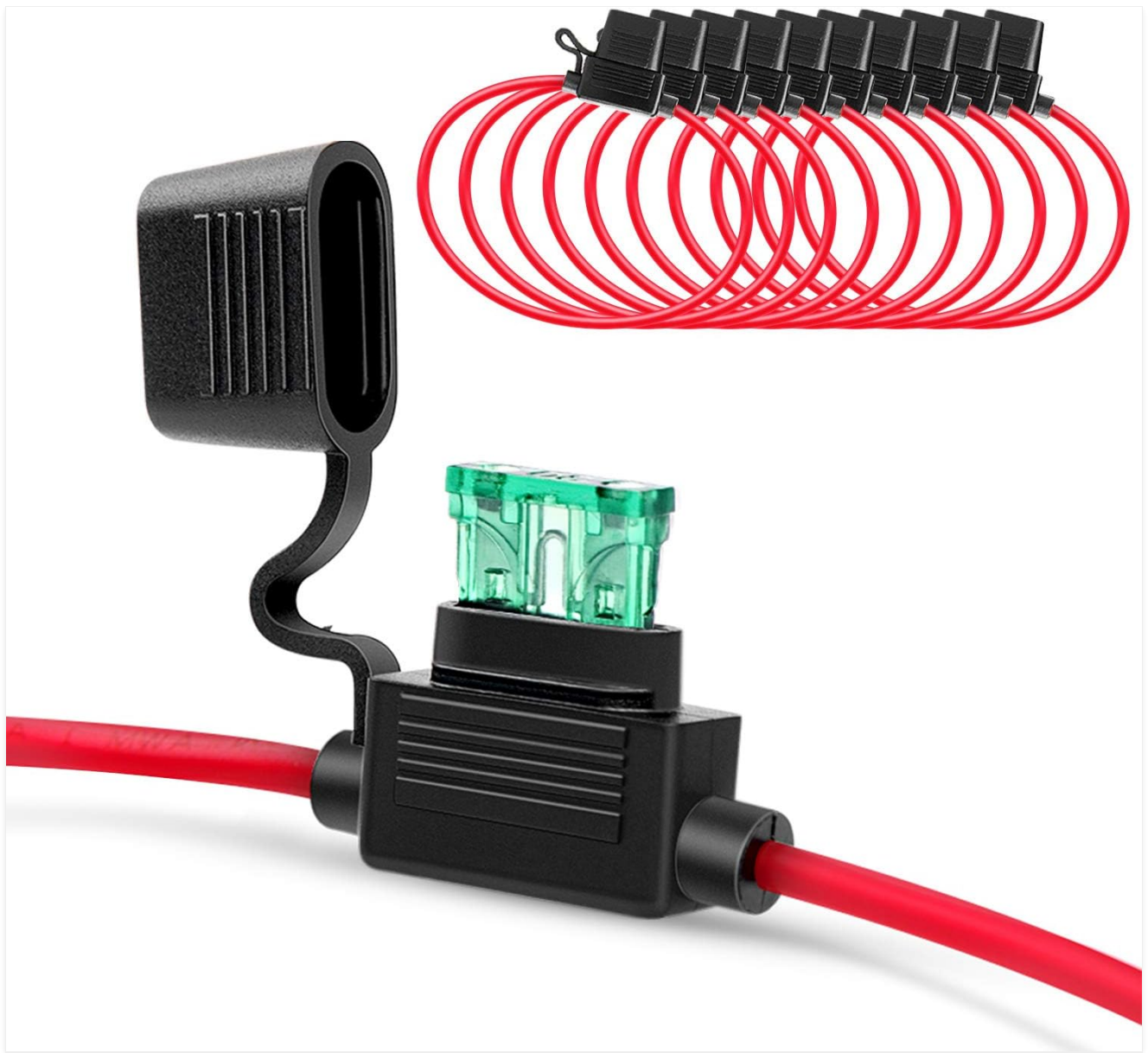


Image: A single Nilight NI-FH01 Inline Fuse Holder with a green 30A fuse, showcasing its waterproof cap. In the background, a pack of ten identical fuse holders is visible.

PRODUCT FEATURES

- **Safety Protection:** Features heavy-duty 14 gauge (AWG) red color wire for enhanced circuit protection.
- **Suitable Fuses:** Compatible with 0.5A, 1A, 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A ATC/ATO blade fuses with dimensions of 19.1 x 18.5 x 5.1 mm.
- **Water Resistance:** Equipped with a tight-fitting waterproof lid, offering excellent damp-proof and waterproof performance for safe and reliable use.
- **Premium Quality:** Constructed from high-quality copper materials to ensure good bending performance, melting resistance, and excellent electrical conductivity.

PACKAGE CONTENTS

Each package of the Nilight NI-FH01 Inline Fuse Holder includes:

- 10 x 14AWG ATC/ATO Inline Fuse Holders

SPECIFICATIONS

Specification	Detail
Brand	Nilight
Model	NI-FH01
Wire Gauge	14 AWG
Loop Length	12 inches
Supported Fuse Type	ATC/ATO Blade Fuse
Supported Amperage	0.5A, 1A, 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A, 25A, 30A
Fuse Dimension Fit	19.1 x 18.5 x 5.1 mm
Voltage	12 Volts (DC Current)
Material	Copper
Product Dimensions (L x W x H)	5 x 1 x 3 inches
Item Weight	3.2 ounces

TYPE	IN-LINE FUSE HOLDER
Wire Gauge	14 AWG
Loop Length	12 Inches
Support Fuse	ATC/ATO blade fuse of 1A, 2A, 3A, 4A, 5A, 7.5A, 10A, 15A, 20A
Fit for Fuse Dimension	19.1 x 18.1 x 5.1 mm
Waterproof Lid	✓
Circuit Protection	✓
Certification	UL

PRODUCT SPECIFICATION

Image: A visual representation of the product specifications, including type, wire gauge, loop length, supported fuse types, dimensions, and certifications.

SAFETY INFORMATION

This product contains chemicals known to the State of California to cause cancer and birth defects or other reproductive harm (Proposition 65 warning). Always handle with care and ensure proper ventilation. For electrical installations, always disconnect the power source before working on circuits to prevent electrical shock or damage. Ensure the fuse amperage matches the circuit requirements to prevent overloading and potential fire hazards.

SETUP AND INSTALLATION

The Nilight NI-FH01 Inline Fuse Holder is designed for straightforward installation in 12V DC automotive electrical systems. Follow these steps for proper setup:

- 1. Prepare the Wiring:** The fuse holder comes with 14 AWG red insulated wire. Determine the desired length for your application. If shortening the wire, carefully strip the insulation from the ends to expose the copper conductors.

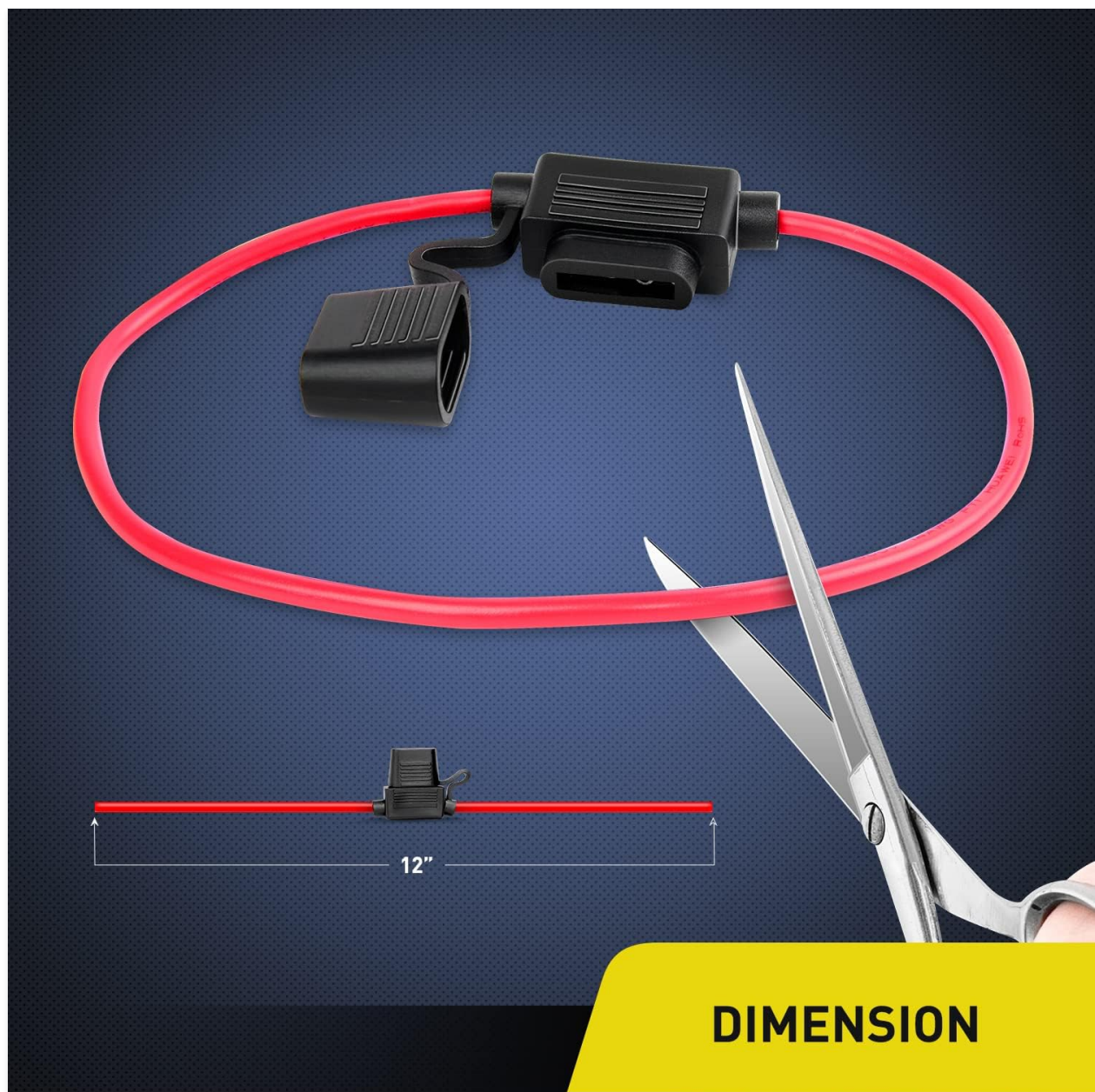


Image: The fuse holder's 12-inch wire loop is shown, with a pair of scissors indicating where the wire can be cut to customize length.

2. **Insert the Fuse:** Open the water-resistant cap of the fuse holder. Insert an appropriate ATC/ATO blade fuse (0.5A to 30A) into the designated slot. Ensure the fuse is securely seated.



Just insert your fuse to the holder, close the cover and then connect the fuse holder to the circuit.

EASY TO USE

Image: A hand demonstrates the ease of use by inserting a fuse into the holder and then closing its protective waterproof cover.

3. **Close the Cap:** Firmly close the water-resistant cap over the fuse. This cap provides damp-proof and waterproof protection, safeguarding the fuse from dirt and road splash.
4. **Connect to Circuit:** Integrate the fuse holder into your 12V DC circuit. The 14 AWG wire is suitable for various connections in cars, Jeeps, ATVs, UTVs, SUVs, 4X4s, motorcycles, trucks, and RVs. Ensure all connections are secure and properly insulated.



Image: A composite image showing four different angles of the fuse holder, highlighting its internal contacts, the open and closed states of the cap, and the exposed copper strands of the wire.

5. **Secure the Holder:** Position the fuse holder in a safe location away from moving parts or excessive heat. Its compact design allows for flexible placement.

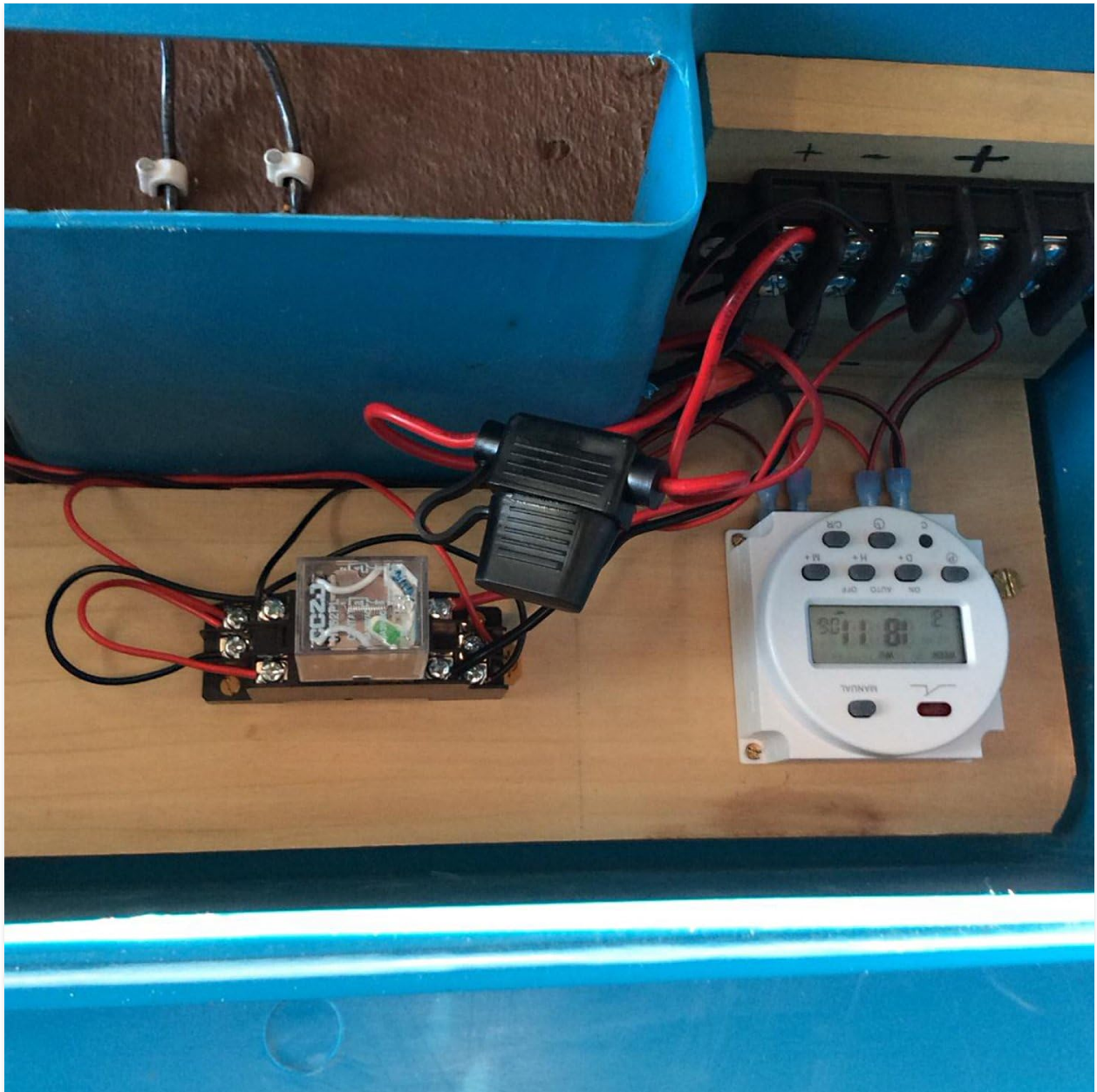


Image: The fuse holder is shown integrated into an electrical circuit, connected to other components on a wooden board, demonstrating a typical installation scenario.

OPERATING INSTRUCTIONS

Once installed, the Nilight NI-FH01 Inline Fuse Holder operates passively to protect your electrical circuit. It does not require any user interaction for its primary function. The fuse inside will automatically break the circuit if an overcurrent condition occurs, preventing damage to your vehicle's electrical components.

MAINTENANCE

Regular maintenance ensures the longevity and effectiveness of your fuse holder:

- **Periodic Inspection:** Periodically check the fuse holder and its connections for any signs of wear, corrosion, or damage. Ensure the cap remains tightly sealed.
- **Fuse Replacement:** If a fuse blows, identify and resolve the underlying electrical issue before replacing it. Always replace a blown fuse with a new fuse of the exact same amperage rating and type (ATC/ATO blade fuse). Using a fuse with a higher rating can lead to serious electrical damage or fire.
- **Cleaning:** Keep the fuse holder clean and free from dirt, dust, and moisture. Use a dry cloth to wipe down the exterior.

TROUBLESHOOTING

If your electrical circuit is not functioning, consider the following troubleshooting steps related to the fuse holder:


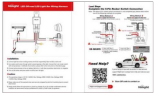

- **No Power to Device:** Check if the fuse inside the holder is blown. A blown fuse will have a broken filament. Replace it if necessary, but investigate the cause of the blow.
- **Repeatedly Blown Fuses:** If fuses repeatedly blow, it indicates an underlying electrical problem such as a short circuit, an overloaded circuit, or a faulty component. Consult a qualified automotive electrician to diagnose and repair the issue.
- **Loose Connections:** Ensure all wire connections to and from the fuse holder are secure and tight. Loose connections can cause intermittent power, heat buildup, and poor performance.
- **Corrosion:** Inspect the fuse holder terminals and the fuse itself for any signs of corrosion. Corrosion can impede electrical flow. Clean corroded terminals with a suitable electrical contact cleaner.

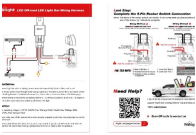
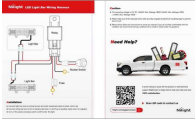
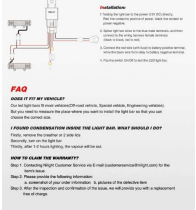
WARRANTY AND SUPPORT

The Nilight NI-FH01 Inline Fuse Holder comes with a **2-year warranty** from the date of purchase, covering manufacturing defects. For warranty claims, technical support, or any inquiries regarding your product, please contact Nilight customer service through their official channels. Keep your purchase receipt as proof of purchase for warranty validation.

For more information and support, visit the official Nilight Store: [Nilight Store on Amazon](#)

Related Documents - NI-FH01

	<p>Nilight LED Light Bar Wiring Harness Installation Guide</p> <p>This guide provides instructions for installing the Nilight LED Light Bar Wiring Harness, including connection diagrams and safety precautions.</p>
	<p>Nilight LED Off-road Light Bar Wiring Harness Installation Guide</p> <p>Comprehensive guide to installing the Nilight LED Off-road Light Bar Wiring Harness, featuring 5-pin rocker switch connection methods, installation steps, and important cautions for 12V automotive applications.</p>
	<p>Nilight LED Off-Road Light Bar Wiring Harness Installation Guide</p> <p>Comprehensive guide for installing the Nilight LED Off-Road Light Bar Wiring Harness, including wiring methods, installation steps, and important cautions.</p>

	<p>Nilight LED Off-road Light Bar Wiring Harness Installation Guide</p> <p>Comprehensive guide for installing the Nilight LED Off-road Light Bar Wiring Harness, including wiring methods, specifications, and safety precautions.</p>
	<p>Nilight LED Light Bar Wiring Harness Installation Guide</p> <p>Step-by-step instructions and safety precautions for installing a Nilight LED Light Bar Wiring Harness. Includes wiring diagram explanation and support contact information.</p>
	<p>Nilight LED Light Bar Installation and FAQ - ZH303 Model</p> <p>Learn how to install your Nilight ZH303 LED light bar, troubleshoot common issues like condensation, and understand the warranty claim process. Includes wiring diagram explanation.</p>