Fydun Fydunbgiv9kp4og

Fydun Hall Adapter Connector for Electric Motorcycles (2-Pack) - User Manual

Model: Fydunbgiv9kp4og

1. Introduction

This manual provides essential information for the proper installation, operation, and maintenance of your Fydun Hall Adapter Connector. This product is designed to facilitate the connection of Hall sensors in electric motorcycle controller systems, ensuring reliable signal transmission. Please read this manual thoroughly before use to ensure optimal performance and safety.

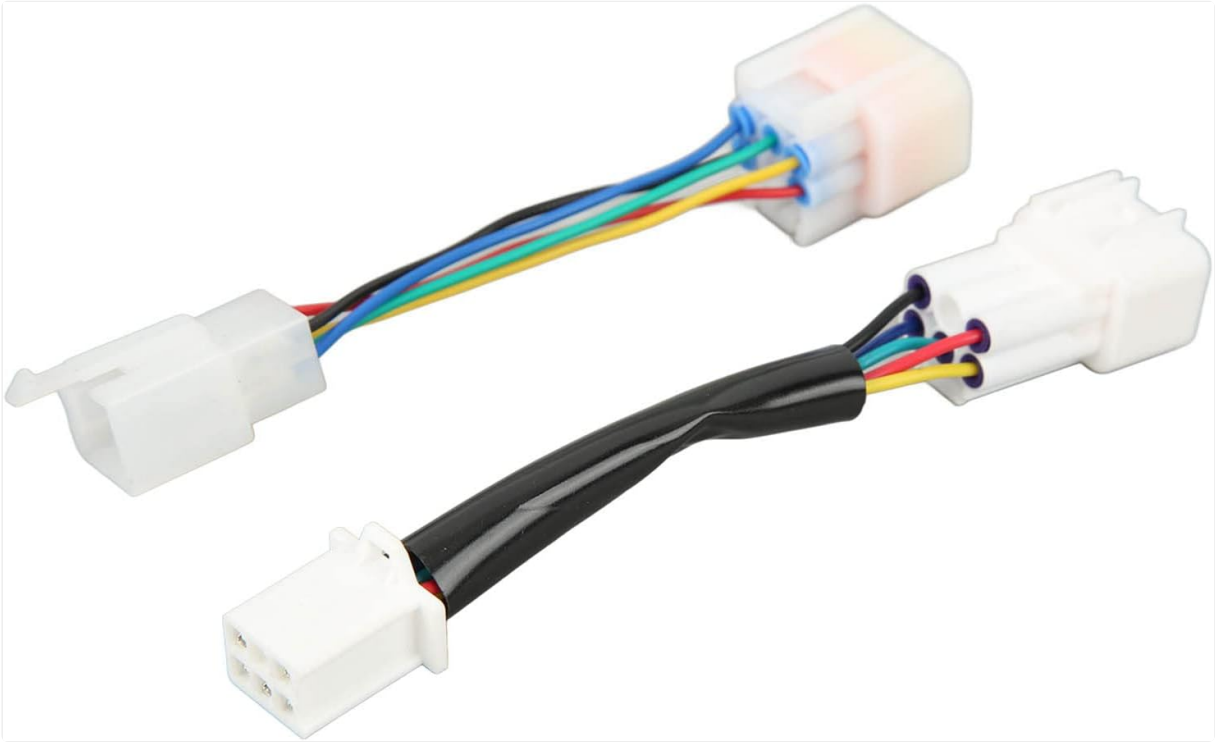

Image 1.1: Fydun Hall Adapter Connectors (2-Pack)

This image displays the two Hall adapter connectors included in the package. Each adapter features a multi-pin connector on one end and individual colored wires on the other, designed for specific electrical connections in electric motorcycle systems.

2. Safety Information

- Always disconnect power to the electric motorcycle before installing or removing the adapter.
- Ensure all connections are secure and properly insulated to prevent short circuits.
- Do not modify the adapter. Unauthorized modifications may lead to malfunction or damage.
- Keep the adapter away from extreme temperatures, corrosive substances, and excessive moisture. Although rated IP67, proper installation and care are crucial.
- If you are unsure about any installation steps, consult a qualified technician.

3. Package Contents

Verify that all items are present and in good condition upon opening the package.

- 2 x Fydun Hall Adapter Connectors (1 male, 1 female)

4. Setup and Installation

The Fydun Hall Adapter Connectors are designed for straightforward integration into electric motorcycle Hall sensor systems. They provide a plug-and-play solution for connecting controllers without the need for re-pinning or extensive rewiring.

4.1. Identifying Connectors

Each package contains two adapters: one with a male connector and one with a female connector. These are designed to match standard Hall sensor interfaces on electric motorcycle controllers and motors.

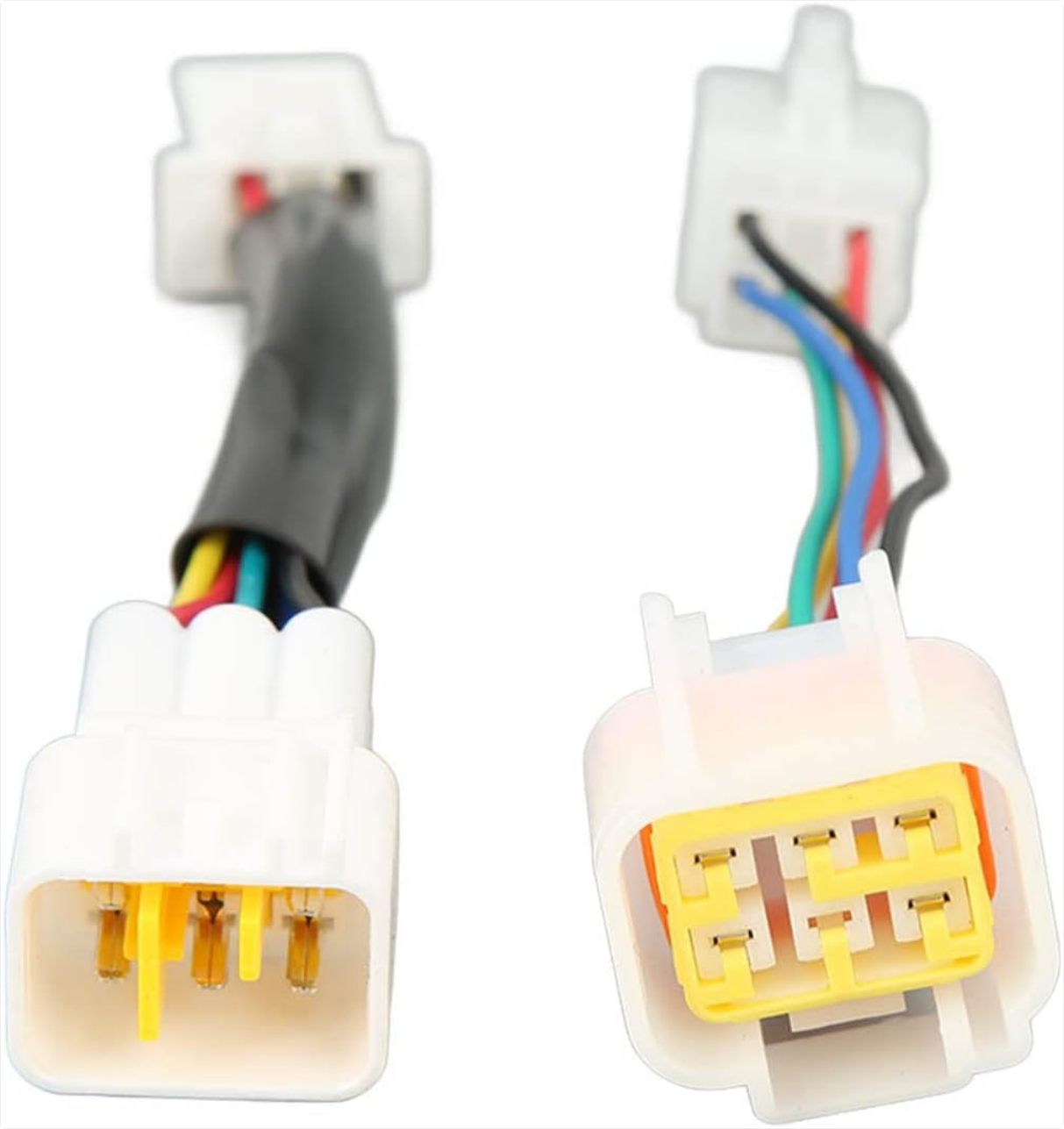

Image 4.1: Male and Female Connector Ends

This close-up image highlights the distinct male and female connector ends of the Hall adapters, illustrating the pin configuration for proper connection.

4.2. Connection Procedure

1. **Power Off:** Ensure the electric motorcycle's power supply is completely disconnected before beginning installation.
2. **Identify Hall Sensor Wires:** Locate the Hall sensor wiring harness on your electric motorcycle's motor and controller. These typically consist of multiple thin wires (often 5 or 6) for signal transmission.
3. **Match Connectors:** Connect the appropriate male or female end of the Fydun Hall Adapter to the corresponding connector on your motor or controller. The adapters are designed for a precise fit.
4. **Secure Connection:** Ensure the connectors are fully seated and locked into place. A firm click usually indicates a secure connection.
5. **Verify Wiring:** While these adapters are designed for direct compatibility, it is good practice to visually confirm that the wire colors on the adapter match the corresponding functions on your motor/controller wiring, especially if experiencing issues. (Refer to troubleshooting section for potential wire reversal).
6. **Power On:** Once all connections are secure, reconnect the power supply and test the electric motorcycle's functionality.

Image 4.2: Adapter in Electric Motorcycle Application

This image depicts the Hall adapter connector alongside an electric motorcycle, providing a visual representation of where such a component would be utilized within the vehicle's electrical system.

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Video 4.1: Electric Motorcycle Controller Connector Overview

This video provides a visual overview of an electric motorcycle controller connector, demonstrating its physical characteristics and potential application in an electric motorcycle setup. It can assist in understanding the type of connection facilitated by the Fydun Hall Adapter.

5. Operating Instructions

Once correctly installed, the Fydun Hall Adapter Connector operates passively, transmitting Hall sensor signals between the motor and the controller. No user interaction is required during operation.

- The adapter ensures accurate and stable signal transfer for efficient motor control.
- Its IP67 waterproof rating provides protection against dust and water ingress, allowing for reliable performance in various weather conditions.

6. Maintenance

The Fydun Hall Adapter Connector requires minimal maintenance due to its durable construction.

- **Regular Inspection:** Periodically inspect the connectors for any signs of wear, corrosion, or damage. Ensure they remain securely connected.
- **Cleaning:** If necessary, gently clean the exterior of the connectors with a dry, soft cloth. Avoid using harsh chemicals or abrasive materials.
- **Environmental Protection:** While IP67 rated, prolonged exposure to extreme conditions should be minimized to extend product lifespan.

7. Troubleshooting

If you encounter issues after installing the Hall adapter, consider the following troubleshooting steps:

- **No Motor Response:**
  - Check all connections to ensure they are fully seated and secure.
  - Verify that the electric motorcycle's power supply is correctly connected and functional.
  - Inspect the wiring for any visible damage or breaks.
- **Intermittent Operation or Incorrect Speed Readings:**
  - This could indicate a loose connection. Re-seat the adapter connectors.
  - In rare cases, some Hall sensor wiring configurations might differ. If you suspect the wires are 'wired backwards' (as noted in some user experiences), carefully consult your motor and controller wiring diagrams. Reversing specific signal wires might be necessary, but this should only be attempted by experienced individuals with proper tools and knowledge to avoid damage.
- **Water or Dust Ingress:**
  - Despite the IP67 rating, ensure the connectors are not submerged for extended periods or exposed to high-pressure water jets. If water is suspected, disconnect power and allow components to dry completely before re-applying power.

If problems persist after following these steps, contact Fydun customer support or a qualified electric motorcycle technician.

8. Specifications

Brand	Fydun
Model	Fydunbgiv9kp4og
Material	ABS
Length (Approx.)	165mm / 6.49in
Connector Dimensions (Approx.)	25x25mm / 0.98x0.98in
Waterproof Rating	IP67
Application	Electric Motorcycle Hall Sensor Systems

9. Warranty and Support

Fydun products are manufactured to high-quality standards. For warranty information or technical support, please

refer to the documentation included with your purchase or visit the official Fydun website. Keep your purchase receipt as proof of purchase for any warranty claims.
For further assistance, you may contact Fydun customer service through their official channels.