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Frdhee B0DXF9DX7H

Frdhee E-Bike Thumb Throttle with Key Ignition Instruction Manual

Model: B0DXF9DX7H

1. INTRODUCTION

This manual provides instructions for the installation, operation, and maintenance of your Frdhee E-Bike Thumb Throttle with Key Ignition. This device is designed to provide power control and security for various electric vehicles, including e-bikes, e-scooters, and electric motorcycles.

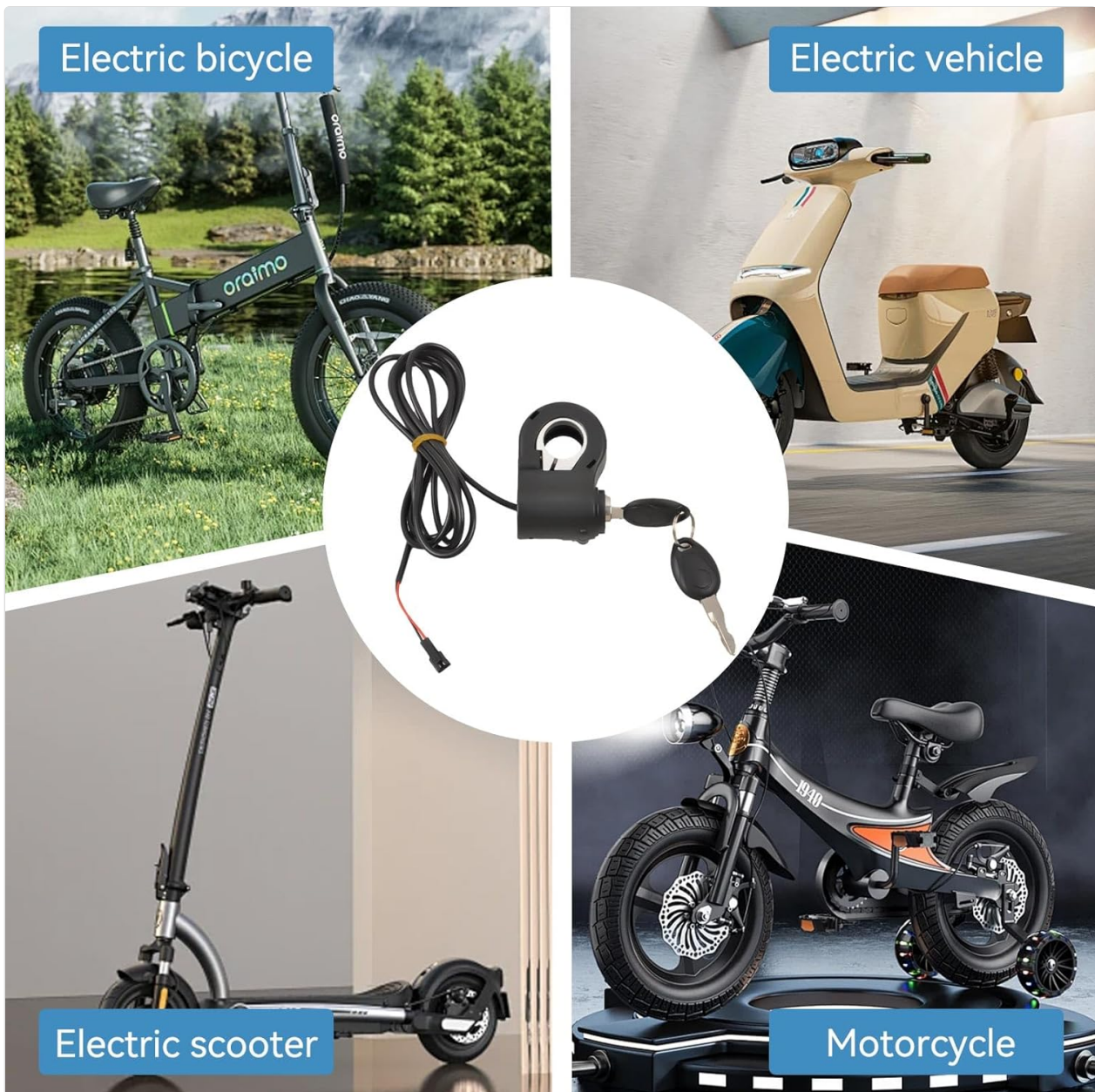


Figure 1: Application examples of the Frdhee E-Bike Thumb Throttle with Key Ignition.

2. SAFETY INFORMATION

Please read and understand all safety instructions before installation and use. Failure to follow these instructions may result in electric shock, fire, and/or serious injury.

- Always disconnect the vehicle's power source before performing any installation or maintenance.
- Ensure all wiring connections are secure and properly insulated to prevent short circuits.
- Consult a qualified technician if you are unsure about any part of the installation process.
- Do not modify the product in any way. Unauthorized modifications may compromise safety and void any potential warranty.
- Keep keys in a safe place and away from children.

3. PACKAGE CONTENTS

Verify that all items are present in the package:

- 1 x Frdhee E-Bike Thumb Throttle with Key Ignition

- 2 x Keys



Figure 2: Contents of the package, including the throttle unit and keys.

4. PRODUCT OVERVIEW AND FEATURES

The Frdhee E-Bike Thumb Throttle with Key Ignition is a durable and reliable component for electric vehicles. It combines a thumb throttle function with a key-operated power switch, enhancing both control and security.

Key Features:

- **Integrated Key Ignition:** Provides a secure method to power on/off your electric vehicle, preventing unauthorized use.
- **Thumb Throttle Control:** Offers precise speed control for a smooth riding experience.
- **Wide Voltage Compatibility:** Suitable for electric vehicles ranging from 5V to 99V.
- **Durable Construction:** Made from ABS plastic for stability, reliability, and safety.
- **Easy Installation:** Features a 1.8m wire length with an SM plug for straightforward connection.



Figure 3: The key ignition switch provides security against unauthorized use.

5. SETUP AND INSTALLATION

Follow these steps to install the Frdhee E-Bike Thumb Throttle with Key Ignition:

1. **Prepare the Vehicle:** Ensure your electric vehicle's power is completely off and the battery is disconnected before beginning installation.
2. **Mount the Throttle:**

Position the thumb throttle unit on the handlebar in a comfortable and accessible location. Secure it firmly using the integrated clamp mechanism. Ensure it does not interfere with braking or other controls.



ELECTRIC BICYCLE LOCK

Effectively protect your electric bicycle from theft and unauthorized access.

Figure 4: Example of throttle unit mounted on a handlebar.

3. Wiring Connections:

The throttle unit comes with a 1.8m wire ending in an SM plug. Identify the corresponding connections on your vehicle's controller. The wiring for the key ignition is as follows:

- The **red wire** connects to the positive terminal of the controller's power supply.
- The **black wire** connects to the controller's electric door lock input.

Important Note: Both the red and black wires for the key ignition are positive connections. There is no negative terminal for this specific ignition circuit. Ensure these connections are made correctly to avoid damage to the controller or the throttle unit.

01.

Throttle wire

Only two wires, with a length of 1.8m/70.87in.



02.

2-wire lock shell

Red is connected to the positive pole of the power supply, and black is connected to the door lock, both of which are positive poles.

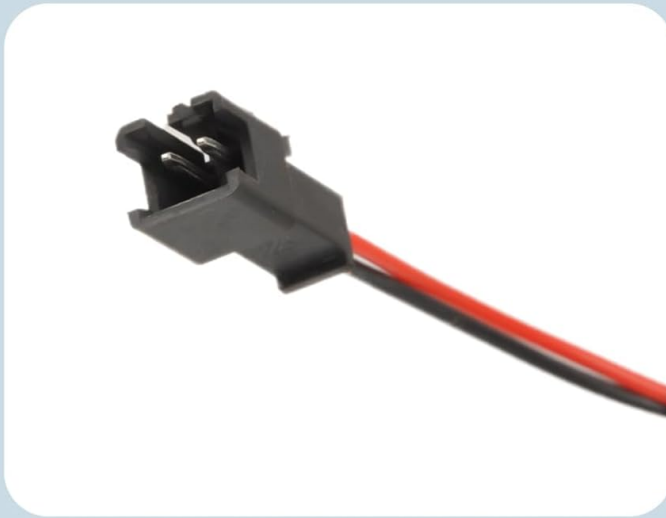


Figure 5: Wiring details for the throttle and key ignition.

4. **Secure Wiring:** Route the wires safely along the handlebar and frame, securing them with zip ties or cable clips to prevent snagging or damage.
5. **Test Functionality:** Once all connections are secure, reconnect the vehicle's battery. Insert the key into the ignition and turn it to the "ON" position. Test the throttle response and ensure the vehicle powers on and off correctly with the key.

6. OPERATING INSTRUCTIONS

Using the Frdhee E-Bike Thumb Throttle with Key Ignition is straightforward:

1. **Power On:** Insert the key into the ignition switch and turn it clockwise to the "ON" position. This will supply power to your electric vehicle's system.
2. **Throttle Control:** Once powered on, gently press the thumb lever to engage the motor and control your speed. Release the lever to reduce speed or stop.
3. **Power Off:** To turn off the vehicle, turn the key counter-clockwise to the "OFF" position and remove the key. This will cut power to the system and secure the vehicle.

ELECTRIC BICYCLE THROTTLE SWITCH LOCK



Figure 6: Operating the key switch on an electric scooter.

7. MAINTENANCE

The Frdhee E-Bike Thumb Throttle with Key Ignition requires minimal maintenance:

- **Cleaning:** Wipe the unit with a soft, damp cloth to remove dirt and dust. Do not use harsh chemicals or abrasive cleaners.
- **Inspection:** Periodically check the wiring for any signs of wear, fraying, or damage. Ensure all connections remain secure.
- **Key Care:** Keep the keys clean and free from debris. Avoid forcing the key if it feels stiff; a small amount of graphite lubricant can be used if necessary.
- **Environmental Protection:** While the unit is made of durable ABS material, avoid prolonged exposure to extreme weather conditions (heavy rain, direct sunlight for extended periods) to maximize its lifespan.

8. TROUBLESHOOTING

If you encounter issues with your Frdhee E-Bike Thumb Throttle with Key Ignition, consider the following:

Problem	Possible Cause	Solution
Vehicle does not power on with key.	Loose or incorrect wiring connection. Vehicle battery is dead or disconnected. Faulty key switch.	Check all wiring connections, especially the red and black wires to the controller. Verify the vehicle's battery charge and connection. If wiring and battery are fine, the switch may be faulty; contact support.
Throttle does not respond.	Key ignition is off. Throttle wire connection is loose or damaged. Controller issue.	Ensure the key is in the "ON" position. Inspect the throttle wire for damage and ensure secure connection to the controller. If other components are working, consult your vehicle's controller manual or a technician.
Key is difficult to turn or remove.	Debris in the lock cylinder. Lock mechanism is stiff.	Clean the lock cylinder with compressed air. Apply a small amount of graphite lubricant to the key and insert it into the lock.

9. SPECIFICATIONS

Feature	Detail
Model	B0DXF9DX7H
Brand	Frdhee
Material	Plastic (ABS)
Operation Mode	Manual
Operating Voltage	5V to 99V (Compatible with 54 Volts)
Contact Type	Normally Open
Connector Type	SM Plug
Switch Type	Push Button Ignition Switch (Key Operated)
Terminal	Screw
Circuit Type	1-way
Mounting Type	Handlebar Mount
Wire Length	1.8 meters (approx. 70.87 inches)
Package Dimensions	7.95 x 5.63 x 1.22 inches
Item Weight	4.23 ounces

10. WARRANTY AND SUPPORT

Specific warranty information for this product is not provided in the available documentation. For any support inquiries, please refer to the seller or manufacturer's contact information provided at the point of purchase.

