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› WOOSTAR 36V 800W DC Brushed Motor Speed Controller Instruction Manual

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Model: 36V 800W | Brand: WOOSTAR

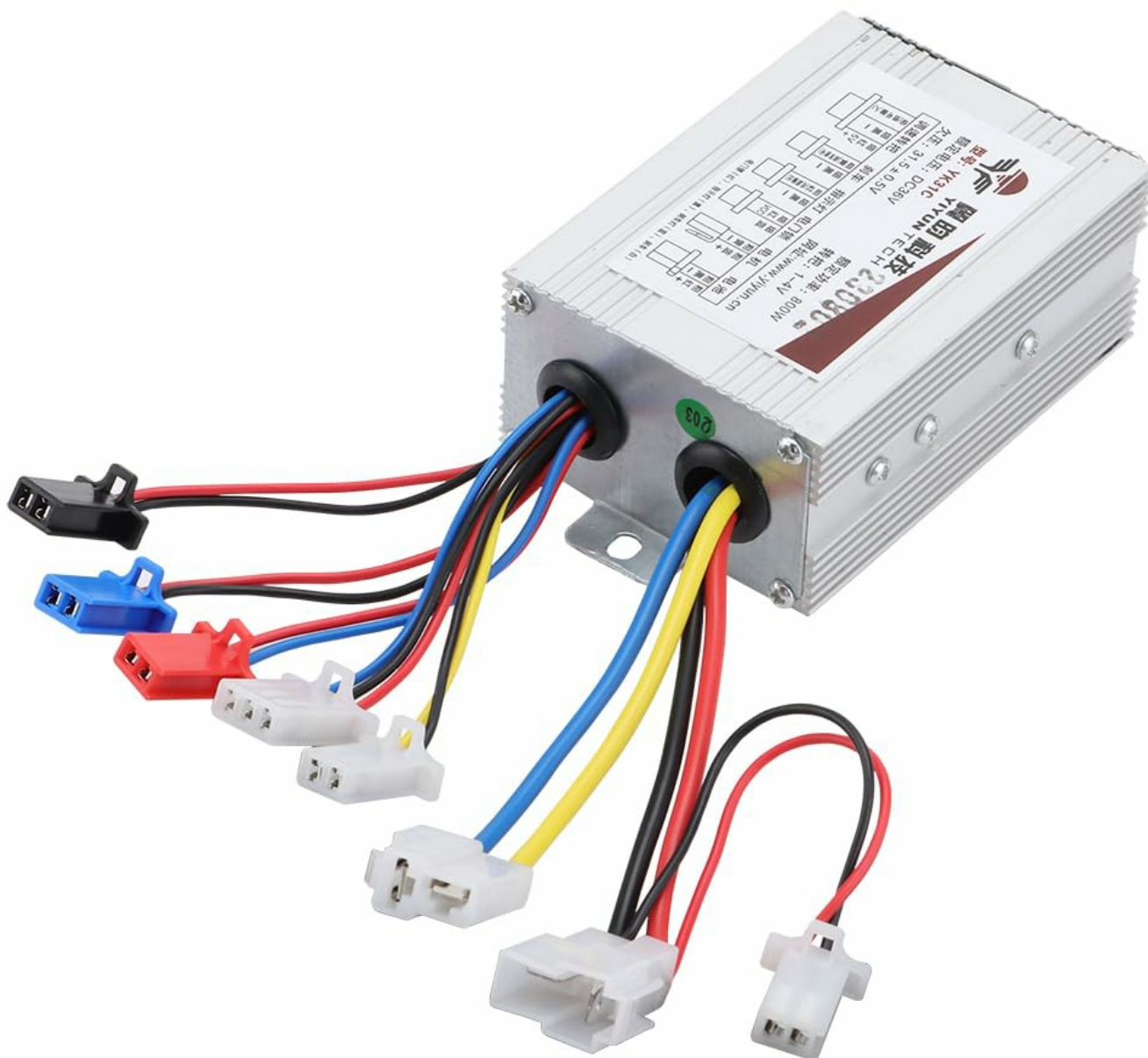


Image: The WOOSTAR 36V 800W DC Brushed Motor Speed Controller, a compact silver unit with multiple colored wires extending from one end.

1. OVERVIEW

This manual provides essential information for the safe and effective installation, operation, and maintenance of your WOOSTAR 36V 800W DC Brushed Motor Speed Controller. This controller is designed for use with electrical scooters, e-bikes, bicycles, and tricycles requiring a 36-volt power supply and an 800-watt DC brushed motor.

2. SAFETY PRECAUTIONS

Read all safety warnings and instructions carefully before installation and operation to prevent damage to the product or injury.

- **Correct Wiring:** When connecting, it is strictly forbidden to reverse the positive and negative terminals. The red wire connects to the positive electrode, and the black wire connects to the negative electrode. Incorrect wiring can cause severe damage to the controller and connected components.
- **Waterproofing:** The product is made of aluminum alloy and does not have waterproof functionality. Ensure the controller is installed in a dry enclosure to prevent water damage.
- **Wire Integrity:** Do not cut or modify the wires. This can easily damage the equipment due to poor contact or short circuits.
- **Battery Voltage:** It is strictly forbidden to use over-voltage batteries. Ensure your battery voltage matches the controller's specified 36V.



Image: A collage showing various safety precautions, including correct wire connection, avoiding water exposure, not cutting wires, and using appropriate battery voltage.

3. PRODUCT FEATURES

- **High Temperature Wire Treatment:** The controller features high-temperature material protection lines for enhanced safety during connection to the motor and battery.
- **Sensitive Control:** Provides stable speed and sensitive control of braking, contributing to high operational safety.
- **Durable Construction:** Constructed from aluminum alloy, offering good strength and durability. It is strengthened by heat treatment and alloying, designed to prevent corrosion, and is pollution-free when discarded.



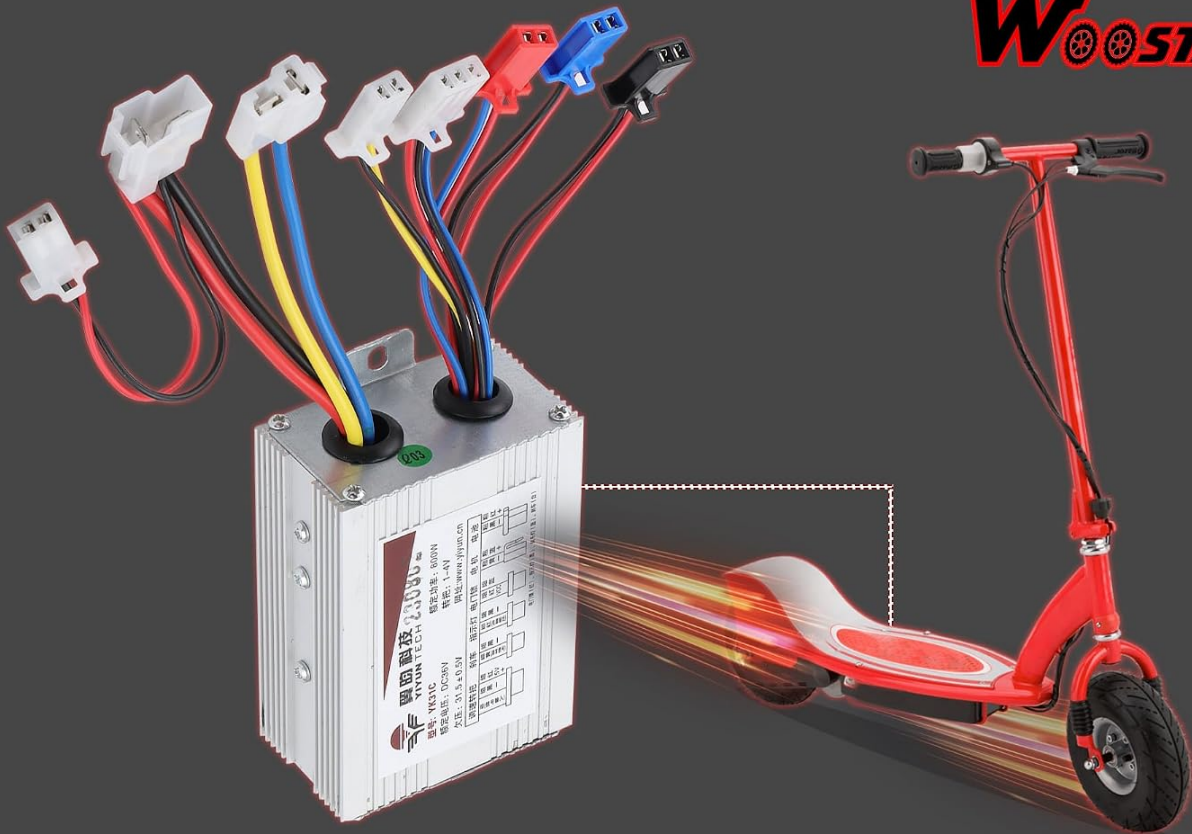
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**HIGH TEMPERATURE W-
IRE TREATMENT, SAFER**

- **The Rated Power is 800W, The High -Temperature Material Protection Line, It is Safer When Connecting the Motor Battery.**

Image: Close-up of the controller's wires, highlighting the high-temperature resistant insulation for safety.

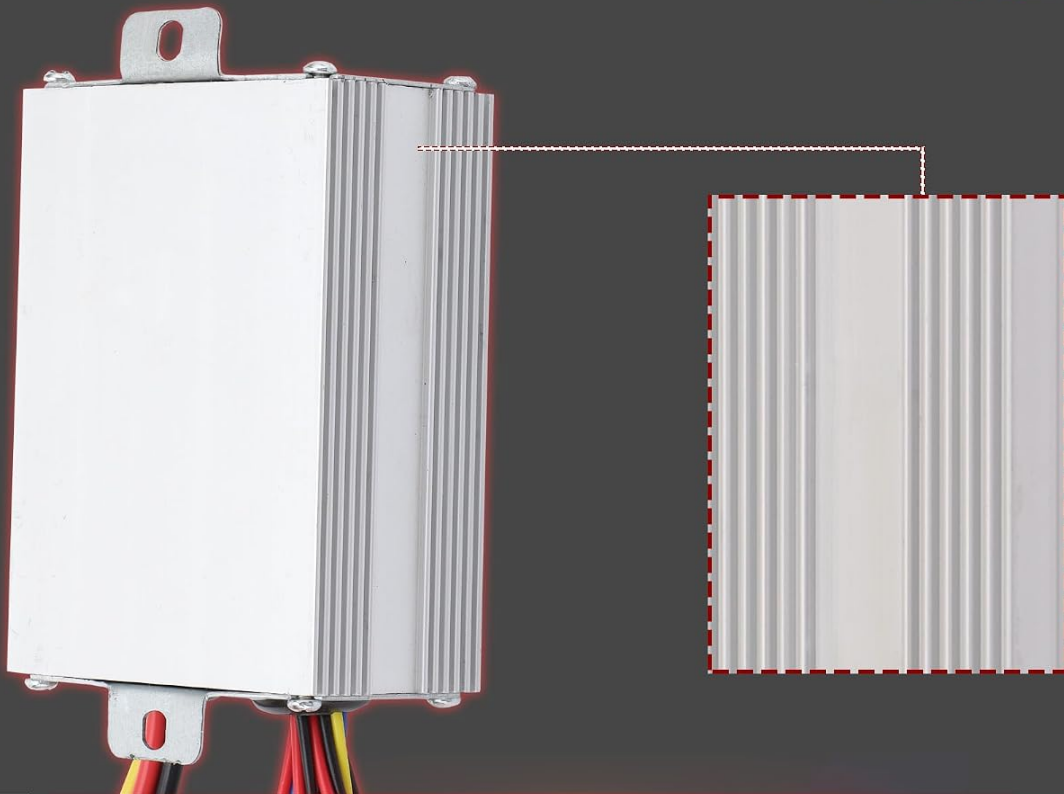
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SENSITIVE CONTROL, STABLE SECURITY

- Provides Stable Speed and Sensitive Control of Braking with High Safety. Please Check Whether The Power Supply is Consistent Before Installation.

Image: The speed controller installed in an electric scooter, illustrating its role in providing sensitive and stable control.



MATERIAL OF ALUMINUM ALLOY

- **Good Strength, Strengthened by Heat Treatment And Alloying, Durable to Prevent Corrosion, and Pollution-Free When Discarded.**

Image: A detailed view of the aluminum alloy casing of the speed controller, emphasizing its robust construction.

4. INSTALLATION (WIRING DIAGRAM)

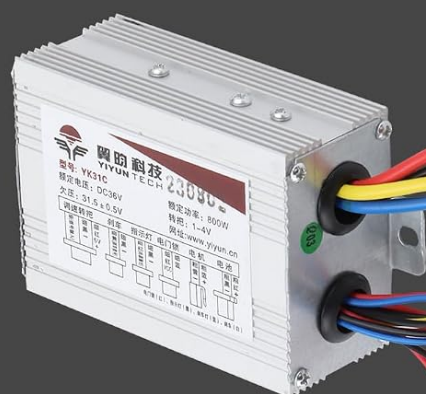
Carefully follow the wiring diagram below to ensure proper installation of the speed controller. Verify all connections before applying power.

WIRING DIAGRAM



● **Voltage: DC,36V**

● **Rated Power: 800W**



● **Hand Grip: 1-4V**

● **Under-voltage: $31.5 \pm 0.5V$**

Charging Port

Black(Thick)-Red+(Thick)

Battery:

Black(Thick)-Red+(Thick)

Motor:

Yellow(Thick)-Blue+(Thick)

Brake:

**Black(Thin)-Yellow(Thin)
(Brake Model)**

Throttle Handle Grips:

**Red 5V+(Thin)-Black(Thin)-
Blue Wire Input**

Ignition Key Switch:

Blue(Thin)-Red VVC(Thin)

Brake light

Black(Thin)-Red(Thin)

Indicator light:

**Black(Thin)-Red(Thin)
(Power Output)**

Image: A clear wiring diagram illustrating the connections for the WOOSTAR 36V 800W speed controller, including battery, motor, throttle, brake, charging port, ignition key switch, brake light, and indicator light.

Wiring Instructions:

- **Charging Port:** Black (Thick) - Red (Thick)
- **Battery:** Black (Thick) - Red (Thick)
- **Motor:** Yellow (Thick) - Blue (Thick)
- **Brake:** Black (Thin) - Yellow (Thin) (Brake Model)
- **Throttle Handle Grips:** Red 5V (Thin) - Black (Thin) - Blue Wire Input
- **Ignition Key Switch:** Blue (Thin) - Red VVC (Thin)
- **Brake Light:** Black (Thin) - Red (Thin)
- **Indicator Light:** Black (Thin) - Red (Thin) (Power Output)

Note: The throttle operates within a 1-4V range.

5. OPERATION

Once the controller is correctly installed and all connections are secure, you can operate your electric vehicle. The speed is controlled via the throttle, which typically provides a variable output between 1V and 4V. Gradually apply the throttle to achieve desired speed. Ensure the power supply is consistent before operating.

6. MAINTENANCE

To ensure the longevity and proper functioning of your WOOSTAR speed controller, observe the following maintenance guidelines:

- **Keep Dry:** As the controller is not waterproof, always ensure it is protected from moisture and direct water exposure. Install it in a location that remains dry.
- **Regular Inspection:** Periodically check all wire connections for tightness and signs of wear or damage. Loose connections can lead to intermittent operation or component failure.
- **Cleanliness:** Keep the controller free from dust and debris. Use a soft, dry cloth for cleaning.
- **Avoid Overheating:** Ensure adequate ventilation around the controller to prevent overheating, especially during prolonged use.

7. TROUBLESHOOTING

If you encounter issues with your speed controller, consider the following common troubleshooting steps:

- **No Power:** Check all battery connections and the ignition key switch. Ensure the battery is charged and providing the correct voltage (36V).
- **Motor Not Responding:** Verify the motor connections are secure. Check the throttle wiring for any disconnections or damage.
- **Intermittent Operation:** Inspect all wiring for loose connections or signs of corrosion. Ensure the controller is not exposed to moisture.
- **Overheating:** Confirm the motor is not drawing excessive current and that the controller has sufficient airflow.

If problems persist after performing these checks, please contact WOOSTAR customer service for further assistance.

8. SPECIFICATIONS

Feature	Specification
Brand	WOOSTAR
Model	36V 800W
Item Model Number	YL-A95-CO
Work Voltage	36 Volts
Rated Motor Power	800 Watts

Feature	Specification
Matching Motor Type	DC Brushed Motor
Under Voltage Protection	31.5V $\pm$ 0.5V
Speed Governor (Throttle)	1-4V
Material	Aluminum Alloy
Waterproof Function	No
Item Weight	7.4 ounces
Package Dimensions	6.26 x 5.2 x 1.93 inches

9. WARRANTY AND SUPPORT

WOOSTAR is committed to customer satisfaction. If you are not satisfied with your order or require assistance, please contact our customer service team. We are always available to help our customers with replacements or refunds as needed.

For support, please refer to the contact information provided with your purchase or visit the official WOOSTAR store on Amazon.

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