

WSE8+WSR3 Remote Controller

Instructions

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1. Function and characteristics

1.1 Function

The wireless remote controller is mainly used to replace manual switch for operating winch from a certain distance.

1.2 Characteristics

The remote controller easy to use, low power and automatic keep shut down, stable performance anti-interference ability and so on.

2. Technical parameters

- 2.1 Transmitter power: Powered by two 1.5V 1600mah AAA batteries
- 2.2 Operating Voltage: 12V-36V
- 2.3 Remote control distance: 0-40m
- 2.4 Remote control angle: 0-360°
- 2.5 Operation delay: $\leq 20\text{ms}$
- 2.6 Number of coding groups: ≥ 10 million groups
- 2.7 Waterproof grade IP67

Normal operating conditions;

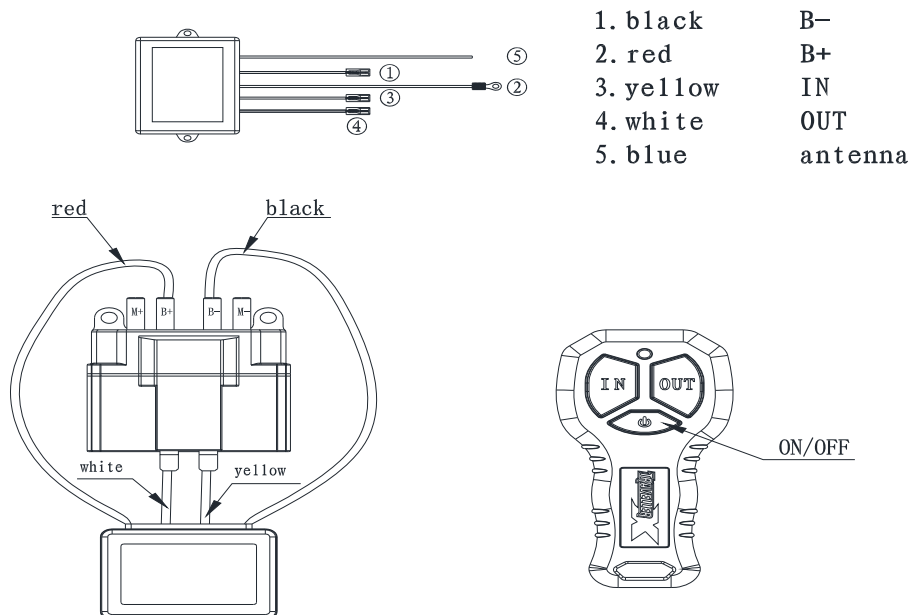
Temperature environment: $-40 \sim +45^{\circ}\text{C}$

Relative humidity: $\leq 95\%\text{RH}$ (25°C)

3. Working principle and wiring diagram

3.1 The remote control uses 433.92MHZ wireless transmission technology and sends instructions to the receiver to control the winch.

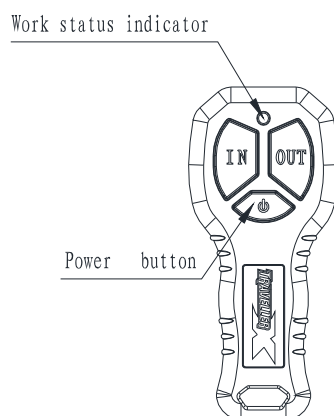
3.2 wiring diagram



If the direction of the winch reverses, exchange the white and yellow lines connection.

4. Using method and Precautions

4.1 Using method introduction



(1) Press power button for 2-3S, the remote controller is turned on, and the red light is on;

(2) Press the IN button the red light is flashing ;

(3) Press the OUT button and the red light is flashing ;

If not used for more than 3min, the transmitter will automatically power off.

4.2 Precautions:

- (1) The maximum operating voltage is 36V. Please use a reasonable choice of power;
- (2) When installing and adjusting the winch especially when finishing the wire rope, make sure that the transmitter is power off;
- (3) The transmitter and receiver of the remote control are paired and can't be interchanged unless the code is consistent;
- (4) If you do not use the remote control for a long time, remove the battery and replace the battery regularly.

5. Maintenance and repair

5.1 When the transmitter is replaced, the same type of transmitter is required for pairing. The pairing method is as follows:

Code mode:

Press the power button → Press IN and OUT button at the same time (the red light was flashing) → Turn on receiver for 1-2s (the relay makes a sound of absorption)

5.2 If the remote controller doesn't work, the control system is faulty and needs to be serviced. The reasons for the problem are as follows:

- (1) The distance between the receiver and transmitter is greater than remote control distance (Reducing the using distance)
- (2) Battery voltage too low (Replace transmitter battery)
- (3) Receiver internal failure, replace the receiver and re-code (Coding method according to 5.1)

Warning Statement

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Note: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

The device has been evaluated to meet general RF exposure requirement. The device can be used in portable exposure condition without restriction.