

Remote Control Instructions

Contents :

1. Function and characteristics
2. Main technical parameters
3. Model classification and function introduction
4. The flashing of the indicator light
5. Receiver wiring diagram
6. Precautions
7. Maintenance and repair
8. Trouble shooting

1. Function and characteristics

(1) Function

Our company's wireless remote control, is mainly used to replace the manual switch to operate electric winch. In order to achieve long-distance control of the winch;

(2) Characteristics

The remote control uses 2.4G wireless transmission technology. It is characterized by: easy to use, low power, automatic shutdown, stable performance, anti-interference ability and so on.

2. Main technical parameters

- (1) Transmitter power: Powered by a single battery (12V or 9V)
- (2) Receiver operating voltage: 9V-36V
- (3) Remote control distance: 0-50m
- (4) Remote control angle: 0-360°

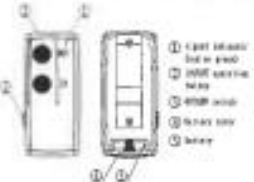
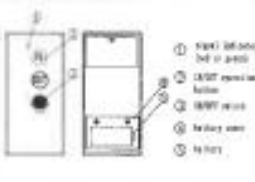
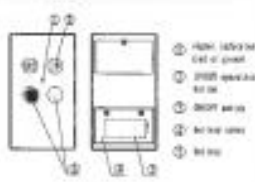
Normal operating conditions:

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

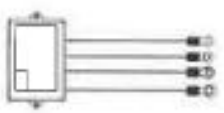
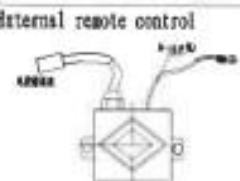
Relative humidity: $\leq 95\%RH (25^{\circ}\text{C})$

3. Model classification and function introduction

model classification and function (transmitter)

Appearance		
	<ul style="list-style-type: none"> ① ON/OFF power switch ② SIGNAL indicator ③ BATTERY cover ④ BATTERY cover ⑤ BATTERY 	
	<ul style="list-style-type: none"> ① SIGNAL indicator ② ON/OFF power switch ③ BATTERY cover ④ BATTERY cover ⑤ BATTERY 	<ul style="list-style-type: none"> ⑥ SIGNAL indicator ⑦ ON/OFF power switch ⑧ BATTERY cover ⑨ BATTERY cover ⑩ BATTERY
Instructions:		
<ol style="list-style-type: none"> 1. Push the ON/OFF power switch to start the transmitter of remote control ,and the electric winch can be operated remotely. 2. The signal indicator flashes to indicate the status of the remote control and the electric winch. 3. The remote control is with 1 section of 12V13A battery. 		
Tips		
After use ,please turn off the remote control		

model classification and function(receiver)

Appearance	
	
Instructions:	
After wiring properly according to the wiring diagram, connect the power supply to use .	
Tips	
<ol style="list-style-type: none"> 1. When wiring is enabled, please connect the remote control's positive power cord to the rear of the vehicles' electric door lock to improve the life of the remote control. 2. When using an external remote control, if the electric control box socket is three-core ,remote control receiver need to increase the external negative line. If the electric control box socket is four-core, insert the four-pin plug of the remote control receiver directly into the winch case. 	

The external receiver should be inserted directly into the electrical control box switch socket. If the mounting clip is attached, connect the mounting clip to the negative terminal of the power supply.

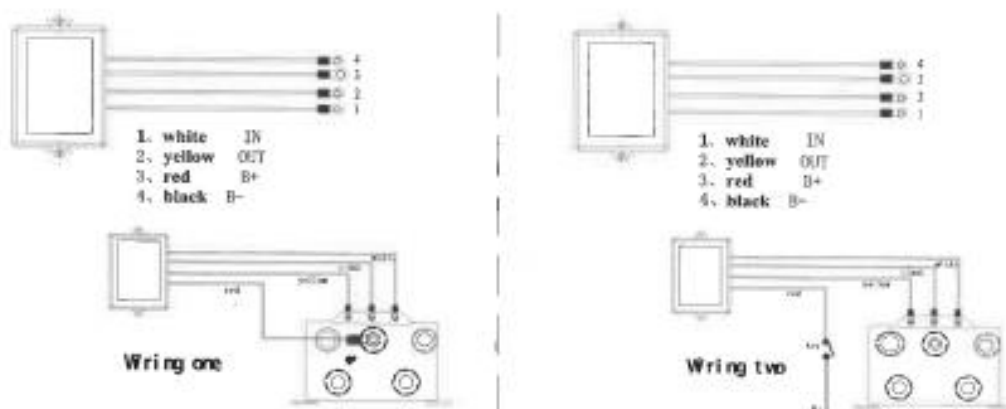
4.The flashing of the indicator light

Number	flash mode	reason	tips
1	The light is red 1: 1 indicator	signal disconnected or poorly received	use a wire switch when operating
2	The light is red 2: 1 indicator	the transmitter battery is low	replace the transmitter battery in time
3	The light is red 3: 1 indicator	car battery power is low	start the vehicle and then use (improve battery life)
4	The red indicator light is on	the connection is completed	it can be used normally
5	The green indicator light is on	IN/OUT operating	

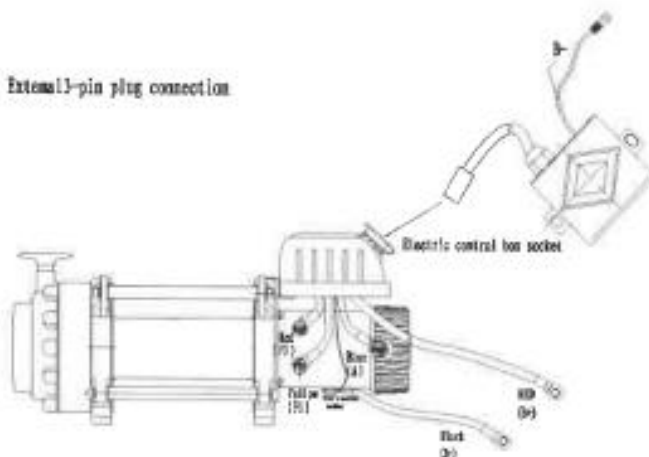
5. Receiver wiring diagram

(1) The remote control is issued by the remote control transmitter and communicated to the receiver to control the winch.

(2) wiring diagram:



External-pin plug connection



6 . Precautions :

(1) After the transmitter is turned on, the red light is on. And the green light is on when the IN / OUT button is pressed;

(2) There is 1-3S signal detection time when starting. If the winch main part of the line failure or exceed the maximum use of distance, the emitter indicator red light will regularly flash;

(3)The maximum operating voltage of remote control is 36V, so please use a reasonable choice of power;

(4) When installing and adjusting the winch, especially when finishing the wire rope, make sure that the transmitter power of the remote control is off.;

(5) The transmitter and receiver of the remote control are paired and can not be interchanged unless the code is consistent;

(6) If you do not use the remote control for a long time, you should remove the battery from the transmitter. Replace the battery regularly.

7. Maintenance and repair

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

Pairing method:

1. Turn on the transmitter power switch
2. Press the IN/OUT button on the transmitter at the same time
3. The receiver is powered on (200ms)

Flash mode:

1. The red indicator light flashes when turned on (1: 1)
2. The red indicator light flashes (2: 1)
3. The indicator light turns green

8. Trouble shooting

During use, if the red light flashes, the control system is faulty and needs to be serviced. The reason for the problem is as follows:

(1) The distance between the receiver and the transmitter is greater than the maximum stable distance; (reduce the using distance);

(2) External environment makes great effect on the signal interference, resulting in instability of remote control ; (using manual switch);

(3)The whole part of the electronic control is short circuit,(check the internal electronic control box or vehicle power supply).