

## Remote control user manual

The remote control produced by our company is suitable for electric winches of 2000Lb and above, which can replace the handle to control the winch. Press the IN key of the remote control to wind up, release the button to stop the winch from turning; press the OUT key of the remote control to release the rope, release the button to stop the winch from turning.

### Installation of remote control receiver

#### **Remote control receiver wire definition (according to Figure 1):**

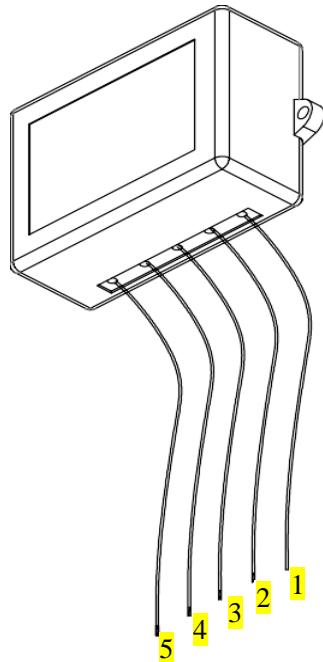
Number 1: Output line (white) OUT

Number 2: Output line (yellow) IN

No.3: Power cord (red) B+

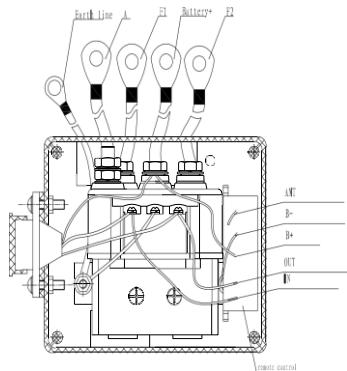
No.4: Ground wire (black) B-

Number 5: Remote control antenna

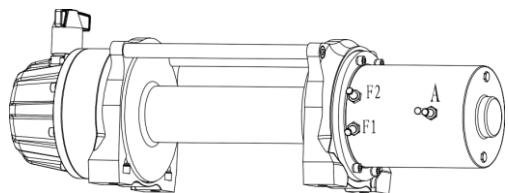


( graph 1)

**Installation method of remote control receiver:**

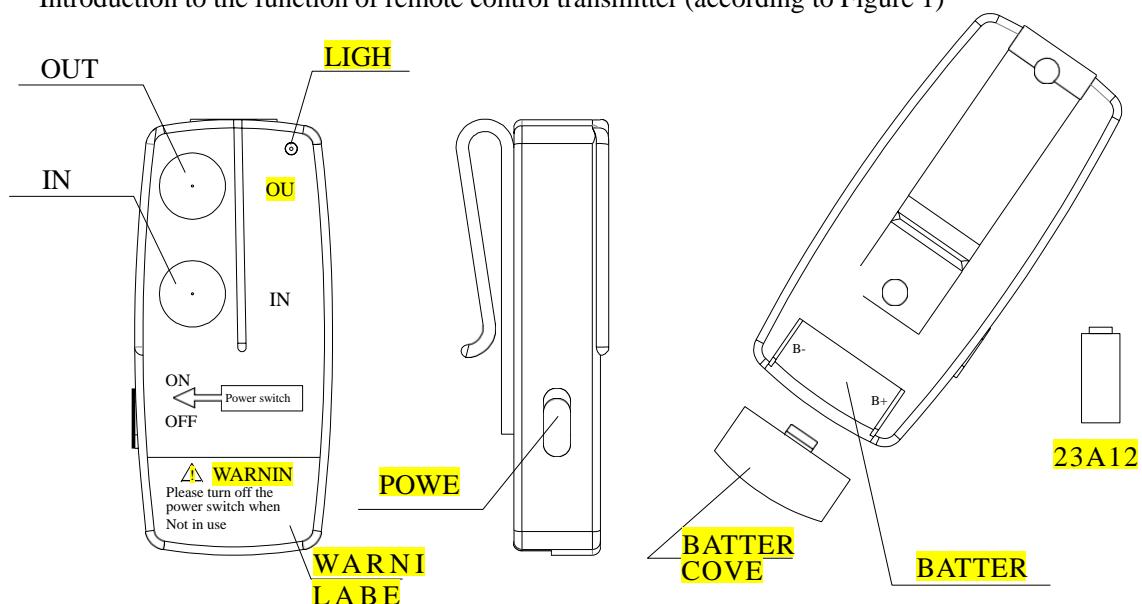


(Fig. 2) (Fig. 3)



(Fig. 2) (Fig. 3)

After the remote control is assembled with the main engine of the electronic control box  
 Connection between the control box and the winch: According to the figure above, the F1, F2 and A positions corresponding to the winch motor are connected with the output line of the control box  
 Introduction to the function of remote control transmitter (according to Figure 1)



( graph 4)

1. POWER: Power switch of transmitter
2. OUT: Press the OUT button to release the rope (release and stop)

3. IN: Press the IN button to wind the winch (release and stop)
4. LIGHT: The indicator light is always on after power-on, and the indicator light flashes during operation
5. Battery: 23A 12V battery

## pair

- 1、Press the "IN" and "OUT" keys on the transmitter at the same time, and the indicator light flashes slowly;
- 2、Power on the receiver when the transmitter indicator light flashes, and start to perform the pairing operation. If the receiver moves one time, it indicates that the pairing is successful;
- 3、The receiver is re-powered and the transmitter controls the receiver to verify whether the pairing is successful. If not, the pairing process can be repeated.

Remote control performance parameters:

pattern	amplitude modulation
frequency	315MHz/433.92MHz
Number of code sets	10 billion code sets (the world's unique code)
Operation delay	50ms
Receiving distance	> 30m (line-of-sight)
working voltage	8V-30V
working temperature	-40°C~85°C (battery-20°C~60°C)
work environment	Relative humidity: ≤95% Altitude: ≤2000M

Safety and precautions for remote control use

1. The power supply of the remote control is DC12V/DC24V universal. Please choose the power supply reasonably when using it.
2. When installing and adjusting the winch, especially when arranging the wire rope, the remote control should be turned off
3. Ensure that the button of the remote control is pressed or released reliably during operation.
4. The control handle (signal transmitter) and receiver of the remote control are used in pairs
- 5、The control handle of the remote control uses a small battery (23A). Long-term use or storage time will make the battery power drop, affecting the working distance of the remote control. In

serious cases, the remote control can not work, and the battery should be replaced. If the remote control is not used for a long time, the battery should be removed. It is recommended to replace the battery of the remote control regularly.

pour :

The wire-pull remote control is a wireless product. When using it, the receiver antenna should be kept away from metal and other interference sources as far as possible to improve the operation distance of the remote control.

FCC Warning:

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.

Caution: Any changes or modifications to this device not explicitly approved by manufacturer could void your authority to operate this equipment.

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 0cm between the radiator and your body.