

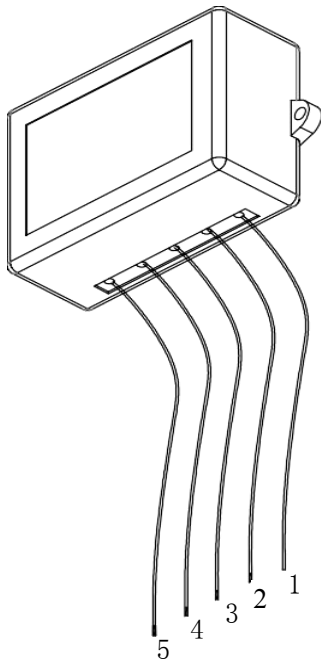
Remote Control User Manual

The remote control manufactured by our company is suitable for electric winches of 2000Lb and above, and can replace the handle to control the winch. Press the IN key on the remote control to retract the cable; release the button to stop the winch from rotating. Press the OUT key on the remote control to extend the cable; release the button to stop the winch from rotating.

Installation of the Remote Control Receiver

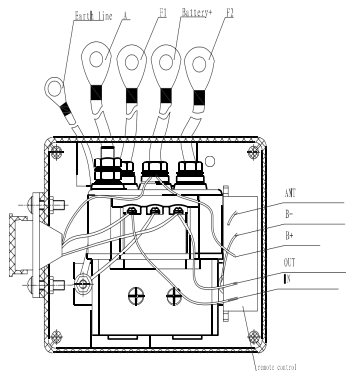
Wiring Definition for the Remote Control Receiver (See Figure 1):

- No. 1: Output Wire (White) - OUT
- No. 2: Output Wire (Yellow) - IN
- No. 3: Power Wire (Red) - B+
- No. 4: Ground Wire (Black) - B-
- No. 5: Remote Control Antenna

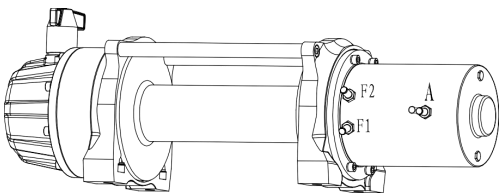


(Fig. 1)

Installation of the Remote Control Receiver:



(Fig. 2)

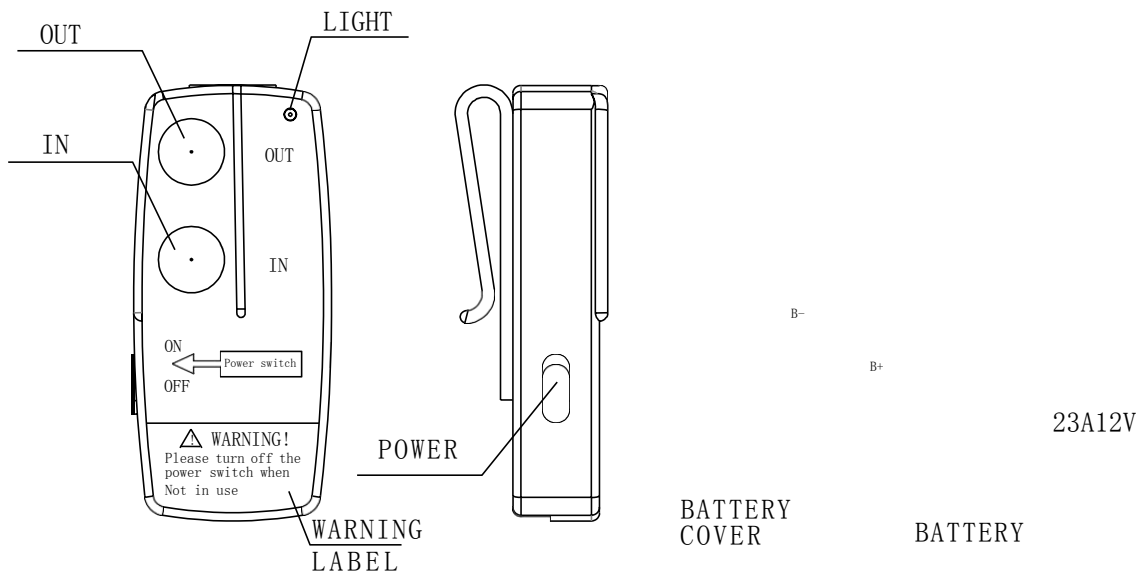


(Fig. 3)

After the assembly of the remote control and the main unit of the control box is completed:

Connection between the Control Box and the Winch: Connect the output wires from the control box to the corresponding F1, F2, and A positions on the winch motor as shown in the figure above.

Introduction to Remote Control Transmitter Functions (See Figure 1):



(Fig. 4)

POWER: Transmitter power switch

OUT: Press to extend cable (release to stop)

IN: Press to retract cable (release to stop)

LIGHT: Indicator stays on after power-up; flashes during operation

BATTERY: 23A 12V Battery

Pairing Instructions

Press and hold the "IN" and "OUT" keys on the transmitter simultaneously; the indicator light will flash slowly.

While the transmitter indicator is flashing, power on the receiver to initiate the pairing process. If the receiver actuates briefly, it indicates that pairing is successful.

Power cycle the receiver (turn off and on again) and use the transmitter to control it to verify the pairing. If operation fails, repeat the pairing process.

Remote Control Performance Specifications:

Mode	Amplitude Modulation
Frequency	433.92MHz
CodingGroup	10 Billion Coding Combinations (Global Unique Code)
OperatingDelay	50ms
ReceivingDistance	>30m (Line-of-Sight Distance)
Operating Voltage	8V-30V
Operating Temperature	-40°C~85°C (Battery-20°C~60°C)
Operating Environment	Relative Humidity : ≤95% Altitude : ≤2000M

Safety and Precautions for Remote Control Operation

The remote control is compatible with DC12V/DC24V power supplies; please select the appropriate power source for use.

During winch installation, adjustment, and especially when arranging steel wire ropes, ensure the remote control is turned off.

When operating, ensure that the remote control buttons are pressed or released reliably.

The remote control handle (signal transmitter) and receiver are paired for use. The remote control handle uses a small battery (23A). Long-term use or prolonged storage will reduce battery capacity, affecting the remote control's operating distance; in severe cases, it may cause the remote control to fail. Replace the battery at this time. Remove the battery if the remote control is not used for a long period, and regular battery replacement is recommended.

Note:

As the winch remote control is a wireless product, keep the receiver antenna away from metal and other interference sources during use to improve the remote control's operating distance.

FCC WARNING

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;
- (2) This device must accept any interference received, including interference that may cause undesired operation.

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

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.