

# Remote control instruction manual

## 1. Overview of the remote control

Remote control transmitter is through the transmission of a certain frequency of high frequency signal, the signal is received by the remote control receiver, converted into other signals, so as to achieve the control of various functions of the controlled equipment.

## 2. Basic parameters of transmitter

- a) Supply voltage: DC 7.4V (powered by two lithium batteries in series)
- b) Maximum working current:  $\leq 300\text{mA}$ ;
- c) Battery: maximum open circuit voltage 8.4V, continuous working time  $\geq 8\text{h}$ .

## 3. Main technical indicators of transmitter

- a) Working mode: wireless half-duplex transmission;
- b) Center operating frequency: 433MHz;
- c) Transmitted power: -20 to 10 dBm;
- d) Remote control distance:  $\geq 20\text{m}$ .

## 4. Remote control instructions

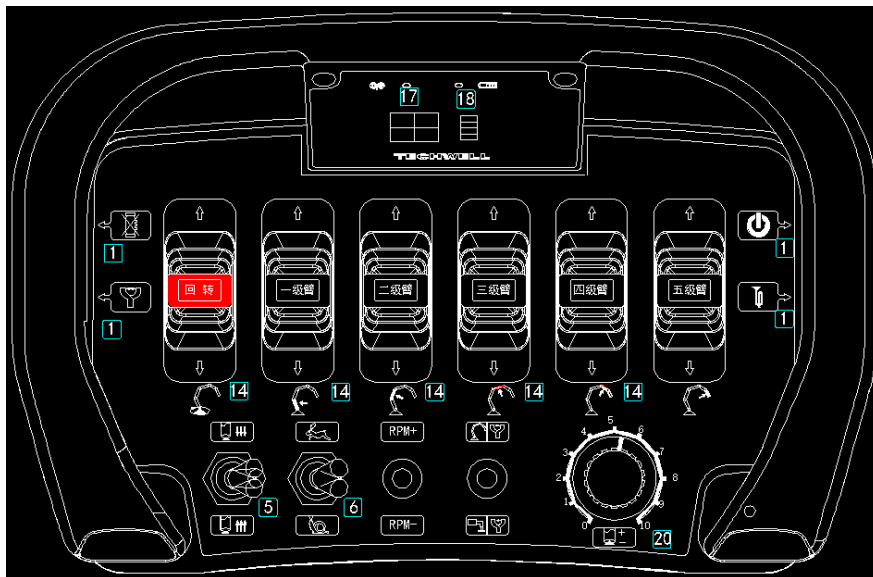


Figure 1 Transmitter

- a) As shown in the picture above, install the battery, pull up the emergency stop on the side of the transmitter, the "Start" button is set in the upper right corner of the remote control panel of the transmitter, press the "Start" button, the transmitter is activated, trying to establish

communication with the receiver, the red "signal indicator" strobes once a second.

b) When the communication is established, the receiver's "power/communication" indicator light will strobe once a second, operate the side button on the transmitter, shake the head switch or rocker, the transmitter's "signal indicator light" strobes 3 times a second, indicating that the corresponding control code signal has been issued, at this time the receiver's "function" indicator light will strobe 3 times a second, The CAN signal line of the receiver will send out the corresponding control code signal.

c) After shooting the "emergency stop" switch of the transmitter, the "emergency stop/failure" indicator light of the receiver will flash red and blue alternately and output signal action.

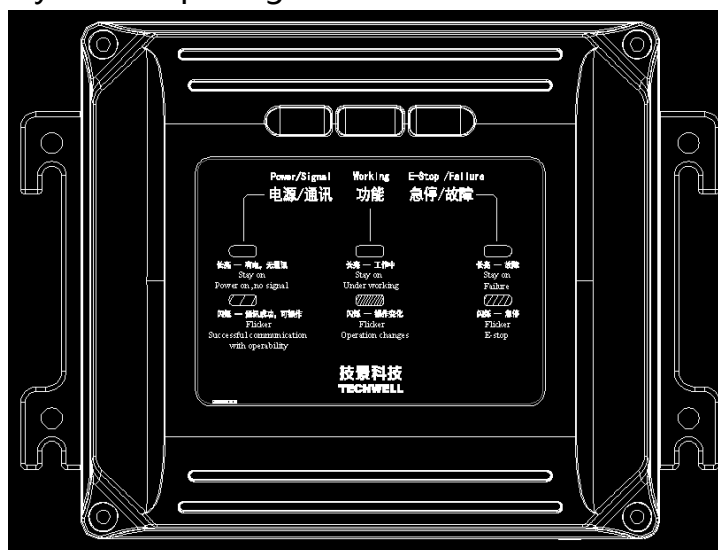


FIG. 2 Receiver

## 5. How the receiver works

a) Radio receiving board: high-frequency signals from the wireless transmitter are received by the receiving board and then become serial data signals.

b) After the serial data from the radio receiving board is processed by the single chip microcomputer, the received working states are controlled (such as sending out CAN data, relay action).

## 6. Basic parameters of receiver

a) Supply voltage: DC12-32V;

b) Maximum working current:  $\leq 500\text{mA}$ ;

## **7. Main technical indicators of the receiver**

- a) Antenna impedance:  $50\ \Omega$ ;
- b) Working mode: wireless half duplex reception;
- c) Center operating frequency: 433MHz;
- d) Remote control distance:  $\geq 20\text{m}$ ;

## **FCC Statement**

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.

### **RF Exposure Information**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.