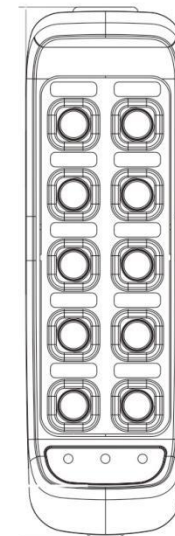


## Industrial Wireless Remote Controller User Manual



Before using this product, please read this manual carefully to avoid malfunctions or dangers caused by improper use.

## 一、WARRANTY

### Quality Assurance

Our company guarantees that this product is fully in accordance with all the specifications it has announced when it leaves the factory . As long as it is installed properly, it can be used normally. However our company does not guarantee that the operation of this product will be without any interruption or zero errors.

This product comes with a one-year warranty from the date of manufacture. If during the warranty period , it is proven that the product has any quality defects, our company is willing to provide repairs . For any product requiring repair , it must be sent to the designated service center of our company. The customer must bear the one-way transportation cost of the product to the service center . During the warranty period, our service center will bear the return transportation cost and return the product.

### Items not included

The above warranty coverage does not include wear – and–tear parts such as buttons, relays, fuses, batteries , or damages caused by installation errors , nor does it cover faults resulting from improper use by the customer, force majeure, natural factors , inadequate maintenance, neglect of operating environment specifications, unauthorized changes , incorrect usage, or self–set interfaces by the customer.

The aforementioned guarantees do not include any other explicitly stated or implied warranty conditions.

The repairs provided under the warranty are the sole compensation for the customer. Our company shall not be held responsible for any direct, indirect, special, accidental or consequential damages.

## 二、IMPORTANT NOTES

### Quality Assurance

ONE

★ After use, the main power supply of the crane should be turned off , the receiver power supply should be disconnected , and the mushroom head emergency stop switch of the transmitter should be rotated to the "OFF" position.

★ The transmitter should be placed in a safe location . No one should randomly press it without permission to avoid accidents.

★ The crane should have a main power supply relay , limit switch, and other safety facilities.

★ It should be stopped when there is a lightning strike or interference.

★ Ensure that the transmitting battery is fully charged and the receiver power supply is normal.

★ Personnel without professional training shall not disassemble this machine. Otherwise, it may cause damage and injury to personnel.

★ This manual is for reference only to the user unit. For detailed technical issues, please consult the agent.

★ The remote control should be operated within the designated range to avoid accidental actions;

★ During installation or maintenance , the main power supply of the crane and the power supply inside the receiver should be turned off to prevent electric shock.

★ If necessary , the manufacturer may make appropriate modifications to this machine . Therefore, the content will be revised at any time according to the new machine and no further notice will be given.

★ When the operator leaves the remote control or the remote control range, it is essential to press the stop button to turn off the total stop of the receiver or directly turn off the power supply of the receiver to avoid accidental actions due to electrical faults;

★ Users must have received complete training in the wireless industrial remote control series to be familiar with the operation method.

★ Operators must be in good health, have a good state of mind , be able to distinguish and judge the safety of the operation, and possess an operation qualification certificate.

★ Once it is found that the equipment is severely interfered with, the operation must be immediately stopped.

### Installation Instructions

TWO

★ It is essential to thoroughly understand the power distribution of the crane and the settings of the remote control (including relay outputs), to avoid incorrect wiring.

★ When installing the receiver, first turn off the power supply of the receiver and ensure that the power is cut off to prevent electric shock.

★ The installation location of the receiver should be chosen to avoid contact sparks, such as away from motors, relays, cables avoiding being close to high-voltage wiring or facilities, and also considering not conflicting with protruding parts of the building.

★ When installing the receiver, it must be ensured that it is securely locked to avoid the receiver from loosening or falling.

★ The receiver should not be installed in the electrical control box. The correct installation method is to fix the receiver at an appropriate position on the top (or outside) of the electrical control box, and then insert the output cable of the receiver into the electrical control box for proper wiring.

★ The safety codes set for each of the remote controllers in this series are all different when they are manufactured. During installation, it is necessary to confirm whether there is a remote controller with the same safety code in the same working area to avoid mutual influence and incorrect operations.

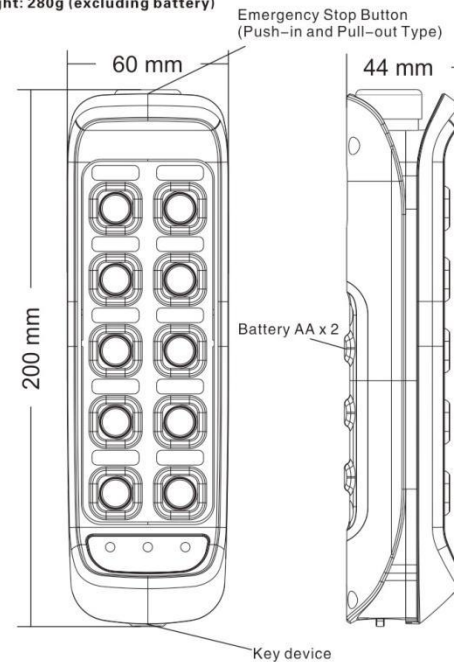
### 三、EMERGENCY SITUATION HANDLING

In case of an emergency, please follow the following steps and immediately notify the dealer.

- ★ Press the STOP emergency stop button.
- ★ Switch off the main power supply of the crane.
- ★ Inform the dealer and investigate the cause.

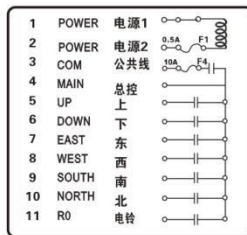
THREE

Remote control range: 100 meters  
 Operating frequency:  
 FM 470 MHz  
 FM 433 MHz  
 FM 868 MHz  
 Transmission power: < 10mW  
 Operating temperature:  
 -20°C to +75°C  
 Battery used: 1.5V (AA) – 2 cells  
 Protection for the casing: IP 68  
 Casing material: PA + GF  
 Dimensions: 200 × 60 × 44mm  
 Weight: 280g (excluding battery)

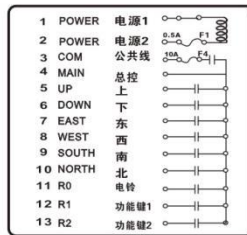


Note: After removing the key, when reinserting it, you need to press the key down until it reaches the secure connection point with the internal chip before it can be used normally.

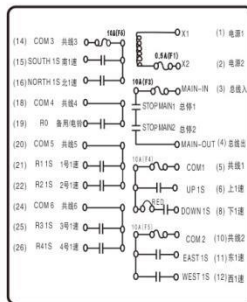
FOUR



W6S



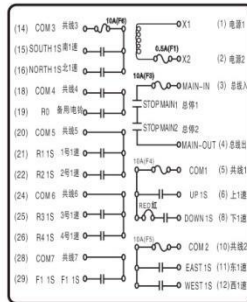
W8S



W10S



W8D



W12S



W12D

## Wireless remote control certificate

| Inspection items                    | Inspection content                                                                                                                                                                                                                                            | Inspection result                                                  |
|-------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------|
| Product Specifications              | <input checked="" type="checkbox"/> Standard model <input type="checkbox"/> Customized model                                                                                                                                                                  | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Power supply circuit                | *Input Voltage:<br><input checked="" type="checkbox"/> AC 36V ~ 440V<br>* Load test shows no voltage drop and no abnormal temperature.                                                                                                                        | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Buttons and encoding lines          | *The corresponding key functions are correct and have encoded output;<br>* The power voltage detection light displays correctly;<br>*The power consumption during standby mode is normal.                                                                     | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| High-frequency transmission circuit | * Output power is greater than the set value.                                                                                                                                                                                                                 | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| High-frequency reception circuit    | * Reception sensitivity: $\geq -106$ dbm                                                                                                                                                                                                                      | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Decoding and relay circuits         | The corresponding relay must operate and the contact output must be correct; the corresponding LED display must also be correct.                                                                                                                              | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Wireless remote control device      | When the receiver is interfered with, all output signals are shut off within 0.4 seconds. The response time of the wireless control system to the stop signal is less than 400ms. The operation switch function of the safety key is normal.                  | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Product testing                     | *Transmitter –The transmission frequency and output power must be within the allowable range;<br>* Receiver –The receiving frequency and sensitivity must be within the allowable range;<br>* The corresponding relays and LED s must have a correct outputs. | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Packaging                           | Product appearance, packaging box, label paper, user manual, inspection certificate, quality guarantee certificate and inspection of all accessories.                                                                                                         | <input checked="" type="checkbox"/> OK <input type="checkbox"/> NG |
| Inspector                           | 06   Engineering Supervisor   Mr. Wang                                                                                                                                                                                                                        | Qualified by quality inspection                                    |

This product complies with the relevant regulations of TSG51-2023 and has passed the inspection, thus being permitted for production.

**FCC Warning:**

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.

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.