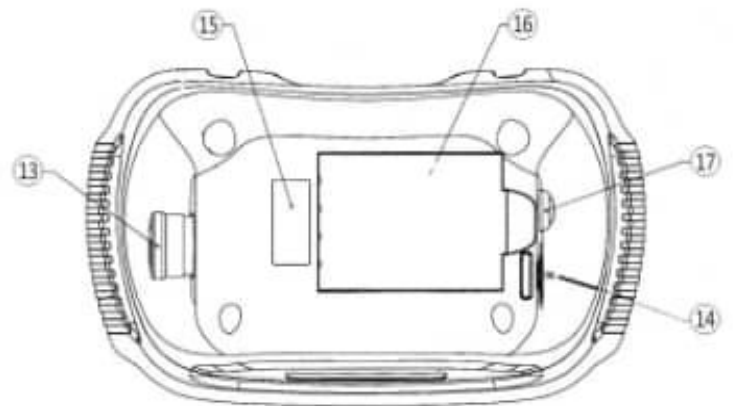
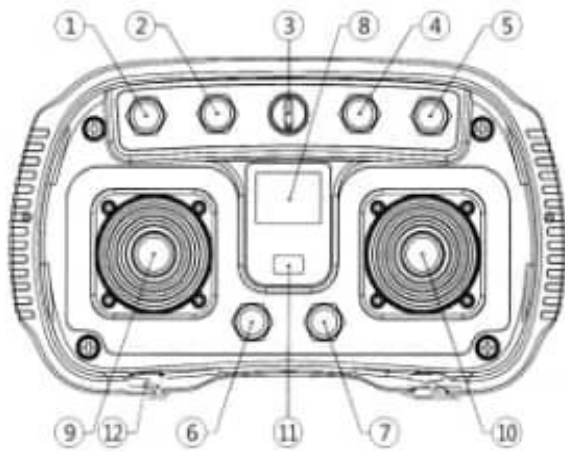


## 2

## Introduction of Product Diagram

## A. Emitter

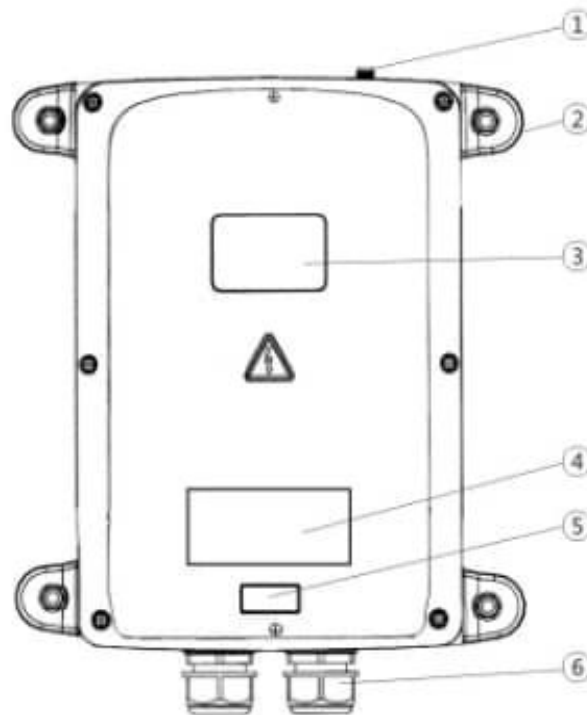


- 1. SW1 key or switch
- 2. SW2 key or switch
- 3. SW3 key or switch
- 4. SW4 key or switch
- 5. SW5 key or switch
- 6. SW6 key

- 7. SW7 key
- 8. Liquid crystal screen (optional)
- 9. Left shaker (L)
- 10. Right shaker (R)
- 11. Status indicator
- 12. Belt/strap connection

- 13. Red emergency stop button
- 14. Power switch
- 15. System documents
- 16. Battery
- 17. START

## B. Receiver



- 1. External antenna BNC joint
- 2. Shock-proof mount
- 3. LOGO
- 4. Notice

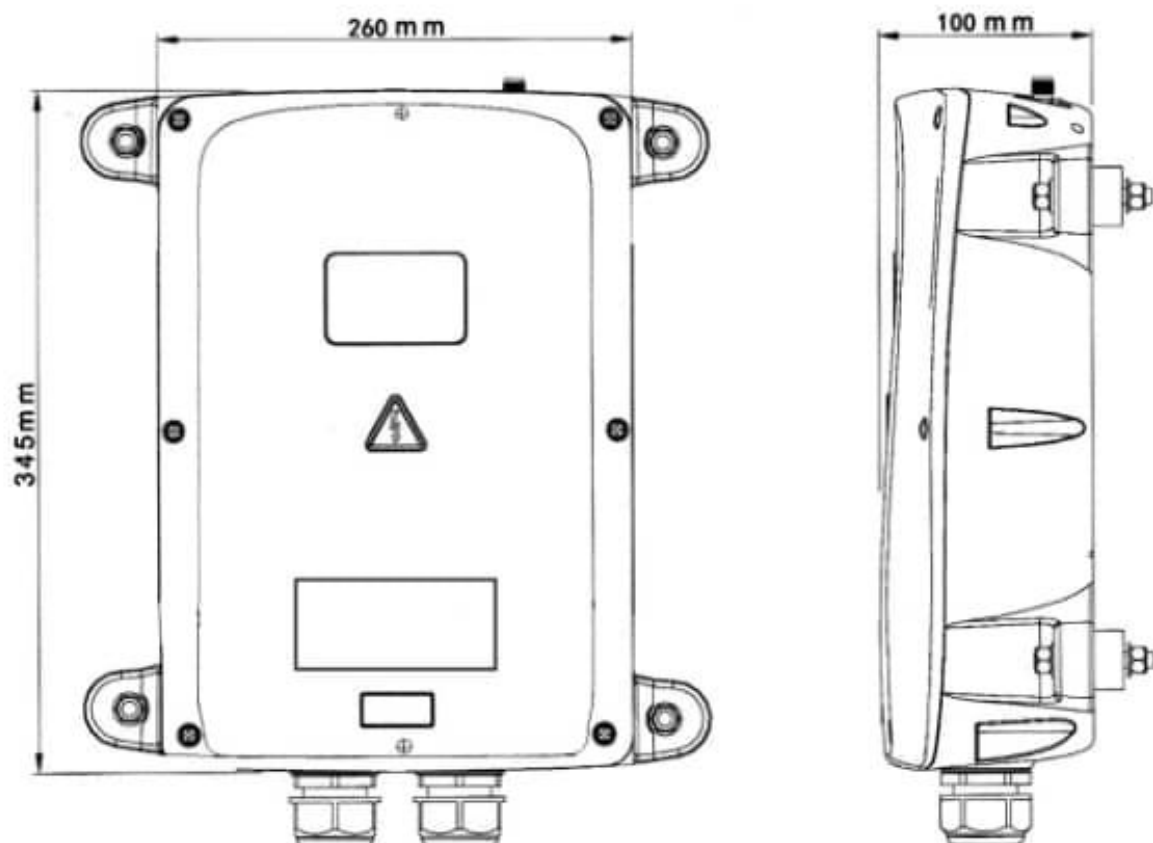
- 5. System documents
- 6. Cable locking head

## 4 Installation of Receiver

### Notice of installation

1. When installing the receiver, it is required to turn off the main power of equipment to ensure the power is cut off, and prevent the electric shock.
2. The position for installing the receiver shall select the position where the electric spark and high-intensity magnetic field are avoided e.g. keep away from the facilities e.g. motor, high-power cables, frequency converter, high-voltage wiring and the other interference sources etc.
3. It is required to truly understand the power distribution of overhead cranes and the setting status of remoter function (including the relay output), avoiding the incorrect wiring connection.
4. If the receiver is required to install in the electric control cabinet, it is necessary to separately configure the extending antenna to avoid the signal shielding. The normal installation method is to fix the receiver on the top outside (or outside) the electric control cabinet, and then put the output controlling cables of receiver through the inside of electric control cabinet for the proper wiring connection.
5. It is required to ensure the housing to be fastened and locked when installing the receiver to avoid the loosening or dropping of receiver.
6. This series remoter includes 4 billion groups of safety codes, and the setting for each safety code is different when leaving the factory. Please confirm whether there are remoter with the same channel within the scope of 100m to avoid the same channel to influence each other.

### Dimension chart of installation



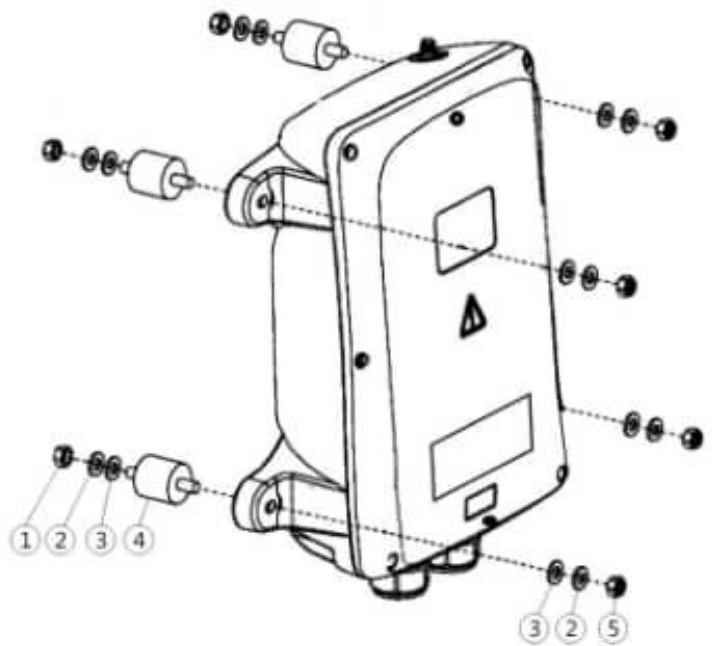
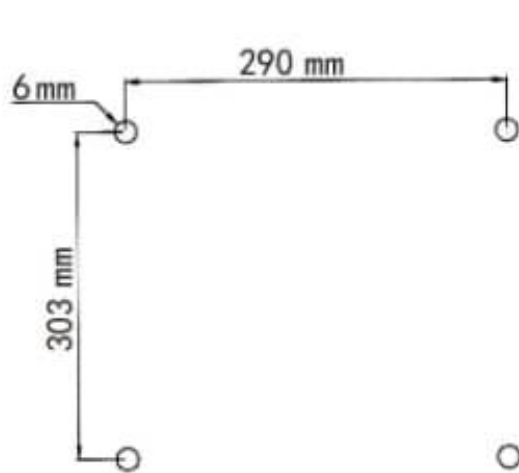
# 1 Introduction of Product

LCC-Q series industrial remote control products are designed for the application of controlling industrial equipment, which is widely applied to control the various industrial equipment e.g. the various overhead cranes, tower cranes, conveyor belt, hoisting machinery and industrial equipment etc.

Each set of LCC-Q5000 series remote controller includes one host emitter and one host receiver, the standard spare parts include the emitter belt, emitter strap, two charging batteries, one charger, receiving antenna set, fixing set for receiver, spare fuse wire and operation manual.

The main features of LCC-Q series are as below:

- ◇ Super strong safety design, over 4.3 billion kinds of non-repeated safety code, failure self-diagnosis and frequency automatic locking track etc.
- ◇ The extraordinary communication design, synchronous coding and decoding data transmission, having the functions of software eliminating interruption, debugging and calibration.
- ◇ There are a large number of programmable functions and applications of parameters, it is able to change the required function setting directly via computer e.g. programmable relay contact output and logarithmic response etc., which can meet the requirements of various controls for customers.
- ◇ Use the advanced processor contained the multi-digit Yuanhanming codes: having the rapid speed and high safety, as well as the highly precise and one hundred percent coding and decoding without mistake.
- ◇ There are two five-segment falling rocker head with pure proportional expression, and without the failure due to the poor contact of contact switch.
- ◇ Strong fiber plastic housing; robust and durable housing for emitter and receiver, which can prevent the damage caused by the strong cracking and occasional dropping.
- ◇ Super strong grade of water-proof and oil-proof; the housing for emitter and receiver completely complies with the IP66/NEMA4 international standards.
- ◇ Thoughtful operation design: the users are able to freely select the adjustable belt or strap to facilitate the safe operation.
- ◇ The intelligent active safety function design: if the switch/rocker and the other components can't be started due to the failure, the reinforced watchdog can automatically stop the device to prevent the power supply from sudden countermeasure etc.
- ◇ Completely comply with the Article 15 European Safety Standard of FCC.



- |               |                  |
|---------------|------------------|
| ① Lock nut    | ④ Shock absorber |
| ② Spring pad  | ⑤ Hexagon nut    |
| ③ Flat washer |                  |

## 5 Operation Manual for Battery of Emitter

Only use the special lithium battery pack and special charger provided by LCC for proper application. This lithium battery pack has the function of power detection and displays the working condition of power configuration with LED indicator. When the battery pack have full power, it is able to emit signals through pressing the key after starting the emitter normally, and the green lamp of emitter's LED indicator will flicker; when the power of battery pack is not sufficient after being used for a while, the red lamp of emitter's LED indicator will flicker, and it is required to stop work temporary at this moment (e.g. reduce the lifting articles to the ground) and replace with new battery rapidly. When charging, the battery pack will automatically access to the charging mode after plugging in the charger. The charging time is about four hours, the red lamp flickers when just being charged and the green lamp will last long time when being fully charged.

## 6 Notice

### General notice

1. Without the professionally trained personnel, it is unable to disassemble this machine, otherwise it is possible to cause damage and casualties.
2. This manual is only for reference for the using departments, please consult the dealers in terms of the specific technical issues.