

It can customize and develop all kinds of remote controls for industrial applications according to customer requirements.

1. Focus on wireless radio controls for industrial applications technology for 16 years
2. You can choose from many styles of radio controls
3. Controllable proportional valve and frequency converter; PLC, motor and other equipment
4. The radio control has many output modes to choose from: 485, 232, CAN, switch value + analog value.

Wireless radio controls for industrial applications

Selection manual 2024

Radio controls for industrial applications.



R5000-Double-Rocker Joystick transmitter



Product function

2 5-gear cross operating levers with zero position detection function

2 two-position head-shaking switches, 1 three-position knob selector switch, 4 buttons, 1 emergency stop button, 1 power switch, 1 start button

The number of remote control action function points can be up to 40 actions

Q5000 double-rocker radio control is one of the most advanced and diversified industrial radio controls at present. It is suitable for engineering applications of double-hook multi-speed and multi-function lifting equipment and handling equipment.

✦ Super safety design, more than 4.3 billion kinds of never-repeat safety codes, fault self-diagnosis and automatic frequency locking tracking, etc.

✦ The extraordinary communication design, synchronous encoding and decoding data transmission, with software to eliminate interference, debug, correction functions.

✦ The use of advanced processors with built-in multi-bit Hamming codes: high speed, safe Height, Height accuracy, and 100 percent error-free encoding and decoding.

✦ Strongly reinforced fibre plastic enclosure: Rugged transmitter and receiver enclosures that prevent damage from strong impact and frequent drops.

✦ A super waterproof and oil resistant rating: Launch and receive in full compliance with IP66/NEMA4 international specifications.

✦ Intelligent active safety function design: such as failure to start when switch/rocker and other components fail, reinforced watchdog automatic stop device, countermeasures to prevent sudden power cut-off, etc.

✦ Full compliance with FCC Article 15 European Union safety standards.



Technical specification

Frequency: 433MHz
Encoding/decoding: microcomputer processor
Hamming code: > 4
Receiver sensitivity: -116dBm
Reaction time: 50mS
Output contact: 250V @ 5Amax
Receiver power consumption: 7-20VA
Receiver supply voltage: AC/DC24-48V, 110-460V @ 50/60 Hz
Charger power consumption: 0.3-5VA
Receiver weight: 2.42 kg
Transmitter size: 247mm (length) x 145mm (width) x 180mm (height)

Receiver specification

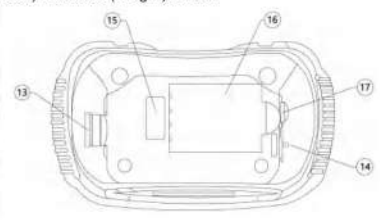
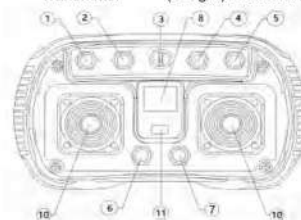
Frequency interval: 25KHZ
Effective operating range: > 100 m
Frequency control: phase lock circuit
Antenna four-match impedance: 50ohms
Transmit power: 1.0 mW
Transmitter voltage: 7.4 V
Charger supply voltage: AC100-240V @ 5-60Hz
Transmitter fumigation: 1.48 kg (including battery)
Operating temperature: -25 C-75 C
Receiver size: 345mm (length) x 260mm (width) x 100mm (height)



Safe • Reliable

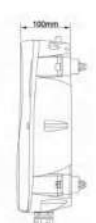
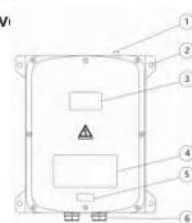
Introduction of Product Icon

Transmitter (Length)247mm X (Width)145mm X (Height)180mm



- | | | |
|-------------------------|--|-------------------------------|
| 1. SW1 button or switch | 7. SW7 button | 13. Red emergency stop button |
| 2. SW2 button or switch | 8. LCD Screen (Optional) | 14. Power switch |
| 3. SW3 button or switch | 9. Left Shake (L) | 15. System information |
| 4. SW4 button or switch | 10. Right Shake (R) | 16. Batteries |
| 5. SW5 button or switch | 11. Status Indicator light | 17. TART boot button |
| 6. SW6 button | 12. Shoulder strap/waistband connector | |

Receiver



- | | | |
|-----------------------------------|----------------|---------------------|
| 1. External antenna BNC connector | 3. System data | 5. Shock-proof seat |
| 2. Cable locking head | 4. Brand LOGO | 6. Precautions |



Various types of industrial remote controls can be customized and developed according to customer requirements (some cases)



R Series-Handheld Transmitter Technical data

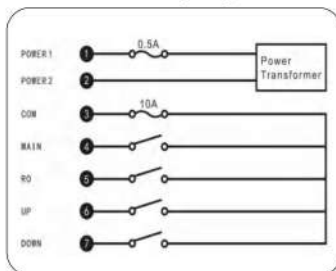


Model: Q200
2-point single speed
button
Length148×Width76×
Height40 mm
Weight: 0.24kg

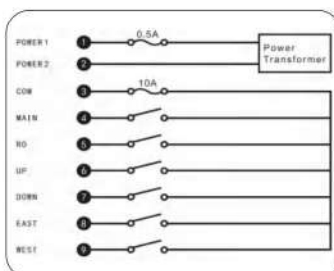


Model: Q400
4-point single speed
button
Length148×Width76×
Height40 mm
Weight: 0.24kg

R200 wiring diagram



R400 wiring diagram



- Ergonomic and lightweight
- High safety and reliability
- Wireless remote control pairing

- The application of programmed functions and parameters can be used by computer interface to change the required function settings.
- Multiple safety protection design, over 4.3 billion never-repeat safety codes, fault self-diagnosis and automatic frequency locking tracking.
- Synchronous encoding and decoding data transmission technology, with software to eliminate interference, debug and correct functions.
- Up to 200 sets of channels that can be set by the user's own computer.
- The transmitter buttons can be pressed continuously for 2 million times, which is absolutely sturdy and durable.
- Low power consumption design: it can be used for 3 months with two No.5 batteries
- The operating distance is 100 m (the computer software can adjust the maximum 500 m)
- The receiver can automatically search for the transmitter channel function, and the replacement of the transmitter does not need professional equipment pairing.
- The transmitter and receiver are built-in antennas (the receiver can be equipped with external antennas separately)
- Industrial grade reinforced nylon shell, high temperature resistance, waterproof, oil-proof fully comply with IP65/NEMA international specifications.



Safe •Reliable

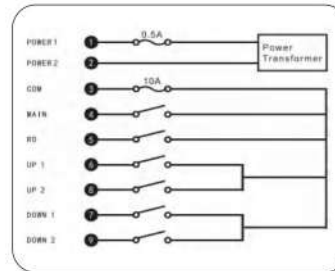


Model: Q202
2-point two-speed
button
Length148×Width76×H
eight40 mm
Weight: 0.24kg

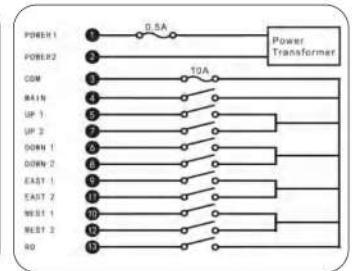


Model: Q404
4-point two-speed button
Length148×Width76×Heigh
t40 mm
Weight: 0.24kg

R202 wiring diagram



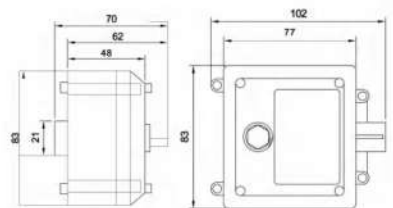
R404 wiring diagram



Receiving device Technical data



Receiver
Length102×Width70×Height83mm
Weight: 0.42kg



R Series wireless remote controls for industrial applications



Safe •Reliable



Wireless narrow frequency design, adjacent frequency can not interfere, switched power supply system;
Programmable output setting without fear of instantaneous voltage drop of line;
Fully meet your needs independent emergency stop button;
When pressed, the system will unconditionally stop the design of SmartRF high frequency module;
Ultra-high-level European code buttons built in the channel can be changed at will;
Effectively press up to 10 million single/two-speed and up to 12-point control buttons;
Fully meet your needs, hidden high-efficiency antenna;
It is not easy to break and the effective distance is higher than 100M,
The transmitter can directly copy the receiver without professional equipment;
Safe, simple and efficient industrial grade PA shell, impact-resistant, waterproof and oil-proof;
Complete compliance with IP66/NEMA international standards.

Specification

Transmitter specification

Frequency: 433/480 MHz
Transmitter RF power: less than 10mW
Remote control distance: 100M
Power supply: LR (AA) 1.5 Vx2 DC3V
Modulation mode: GFSK
Frequency control: PLL
Antenna impedance: 50 Ω
Instruction response time: less than 100ms
Stop command response time: less than 100ms
Average power consumption: 8mA @ DC3V
Operating temperature: -35 °C+ 75A °C
Shell material: Industrial PA6+30% GF
Protection level: IP65

Receiver specification

Frequency: 433/480 MHz Shell Material: Industrial PA6+30% GF
Receiving sensitivity:-112d8m Protection level: IP65
Remote control distance: 100M
Modulation mode: GFSK
Frequency control: PLL
Antenna impedance: 50 Ω
Reaction time: 20-100MS
Capacitance: 5A @ 250V
Power supply: AC/DC24V - 48V(50HZ~60HZ)
AC/DC24V - 264V(50HZ~60HZ)
AC/DC110V-460V(50HZ~60HZ)
DC12~24V
Average power consumption (standby) 15mA @ AC220V
Operating temperature: -35 °C+ 75 °C

Selection date

Model	Control points	Transmitter size	Transmitter size
Q200	2-point single speed + emergency stop + start	14.5 * 7.5 * 3.8cm	10.2 * 7 * 8.3cm
Q202	2-point two-speed + emergency stop + start		
Q400	4-point single speed + emergency stop + start		
Q404	4-point two-speed + emergency stop + start	19 * 7.2 * 3.9cm	15 * 8.75 * 18cm
Q600	6-point single speed + emergency stop + start		
Q602	2-point two-speed +4-point single-speed + emergency stop + start		
Q606	6-point two-speed + emergency stop + start	23.9 * 7.2 * 3.9cm	20.5 * 7 * 22cm
Q800	8-point single speed + emergency stop + start		
Q808	8-point two-speed + emergency stop + start		
Q1000	10-point single speed + emergency stop + start	24.7 * 14.5 * 18cm	24.5 * 14 * 18cm
Q1010	10-point two-speed + emergency stop + start		
Q1200	12-point single speed + emergency stop + start		
Q1212	12-point two-speed + emergency stop + start		
Q5000	8-direction 5-speed		

Various types of industrial remote controls can be customized and developed according to customer requirements (some cases)



7-position knob + 6 buttons	4 knobs + 2 buttons	3 knobs + 7 buttons	1 knob + 12 buttons
3 analog + 4 knobs	10-way switch + indicator light	3-way switch + indicator light	4 knobs + 4 buttons
16 knobs	10 knobs and 8 switches	8 knobs+8 buttons	5-speed selection + two-speed button
1 knobs+11 single speed buttons	Display + 10 buttons	Display + 2 ratio knobs	Display multi-channel feedback

Downhole mobile robotic arm	Aerial work vehicle
European style driving	bBridge building machine
Crane	Ground grinder
Smart forklift	Crawler crane
Crawler walking machine	Intelligent track car

L300 Series Joystick transmitter



(Length)310mm X (Width)190mm X (Height)180mm

Product function

- Support 16 analog signal input (can be externally connected with cross rocker, one-word pull lever or knob potentiometer)
- Up to 48 switch signal input points.
- Support LED lamp indication (operation indication, battery status, fault status, feedback switching value)
- Display screen can be installed

The L300 Series Telecontrol Transmitter is a powerful, feature-rich transmitter that contains many control elements and functional markers. With modular design, it combines flexible technology design and many value-added features, and can be easily adjusted to suit your requirements.

◆ Super safety design, more than 4.3 billion kinds of never-repeat safety codes, fault self-diagnosis and automatic frequency locking tracking, etc.

The extraordinary communication design, synchronous encoding and decoding data transmission, with software to eliminate interference, debug, correction functions.

The use of advanced processors with built-in multi-bit Hamming codes: high speed, high security, high accuracy and 100 percent error-free encoding and decoding.

Shell of reinforced fibre plastic: The rugged transmitter prevents damage from strong impact and frequent drops.

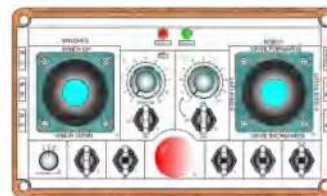
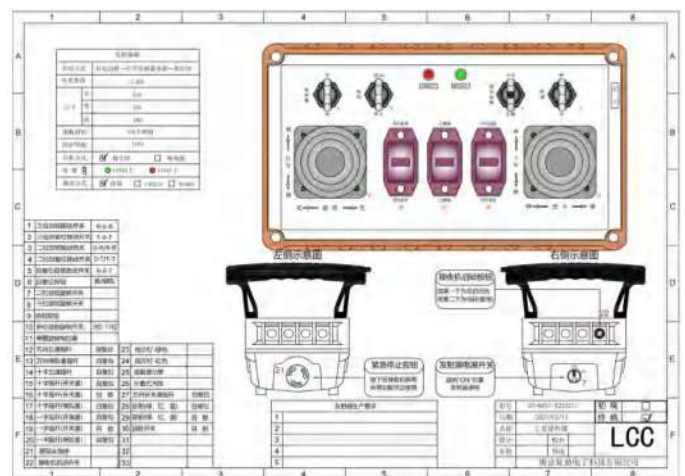
Intelligent active safety function design: such as failure to start when switch/rocker and other components fail, reinforced watchdog automatic stop device, countermeasures to prevent sudden power cut-off, etc.

A super waterproof and oil resistant rating: Launch and receive in full compliance with IP66/NEMA4 international specifications.



It can be customized according to customer needs.....

Introduction to Customized Icons



(Custom Figure 1)



(Custom Figure 2)

Scope of application

Truck cranes, aerial work vehicles, crawler cranes, grinders, shotcrete machines, distributors, ship unloaders, agricultural tractors, track-laying machines, tower cranes, mobile crushers, pump trucks, towing pumps, drilling rigs, AGV, sanitation trucks, fire engines, electric construction vehicles, agricultural equipment, special robots, engineering vehicles, train locomotives, special drilling equipment and other equipment requiring remote control.



Safe • Reliable

R9000-proportional Joystick transmitter



(Length)245mm X (Width)140mm X (Height)180mm

- Product function**
- Support 8 analog signal transmission (optional cross rocker, one-word pull lever or knob potentiometer).
 - Up to 24-channel switches input points.
 - Display screen can be installed.
 - One-to-one or one-to-many can be realized.

The Q9000 Series Remote Control is a compact multi-function custom transmitter that can be easily customized to your needs. Using its modular design. All control elements are carefully sized and arranged to facilitate long-term and frequent use without fatigue.

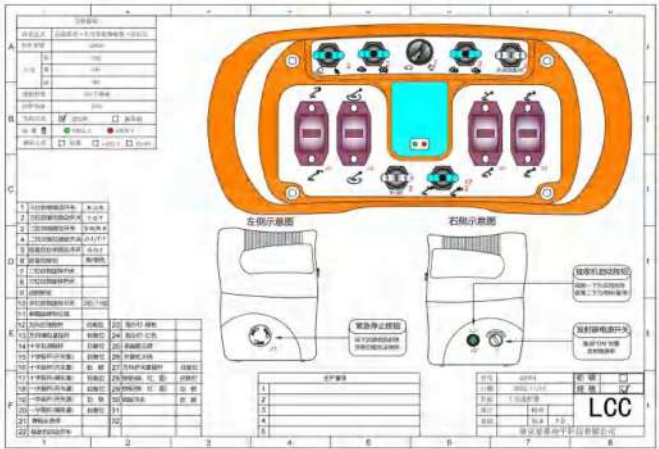
- ◆ Super safety design, more than 4.3 billion kinds of never-repeat safety codes, fault self-diagnosis and automatic frequency locking tracking, etc.
- ◆ The extraordinary communication design, synchronous encoding and decoding data transmission, with software to eliminate interference, debug, correction functions.
- ◆ The use of advanced processors with built-in multi-bit Hamming codes: high speed, high security, high accuracy and 100 percent error-free encoding and decoding.
- ◆ Shell of reinforced fibre plastic: The rugged transmitter prevents damage from strong impact and frequent drops.
- ◆ Intelligent active safety function design: such as failure to start when switch/rocker and other components fail, reinforced watchdog automatic stop device, countermeasures to prevent sudden power cut-off, etc.
- ◆ A super waterproof and oil resistant rating: Launch and receive in full compliance with IP66/NEMA4 international specifications.



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Emitter



Acceptor



Waterproof sleeve



Protective Jacket



Certificate Of Qualification



Service Manual



Match according to model

Fittings



Function Of Stickers

R series button remote control



R200/R202



R400/R404



DETAIL DISPLAY



1. Rugged transmitter button: The transmitter button can be pressed for 2 million times and is absolutely durable.



2. The receiver automatically searches for the transmitter channel function: automatic wireless pairing, replacing the transmitter without professional equipment pairing.



3. Use advanced processor with multi-bit Hamming code: fast, high security, high precision and 100% error-free coding and decoding.



4. Extraordinary communication design, synchronous codec data transmission, with software to eliminate interference, debugging, correction

5. Reinforced fiber plastic housing: Rugged attachment to the receiver housing to prevent damage from strong impact and frequent drops.

6. Super waterproof and oil proof grade: launch and receive external rafts fully comply with IP66/NEMA4 international specifications.



Microwave Smart Radar

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Anti Collision Device for EOT Cranes

Products Features

- 📍 Detection Height From 2m to 9m
- 🔌 Relay Output Mode



Dual Axis Tilt Sensor

High Precision, High resolution

Level/inclination/angle measurement

IP67 Protection

Built-in Kalman filter fusion algorithm

