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

Wireless radio controls for industrial applications

Selection manual

Radio controls for industrial applications.

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.

5. The customization period is short, generally 15 working days.

6. There is no limit to the number of customizations, and the minimum order quantity is 1 set.

Nanjing Xiading Electronic Technology Co., Ltd.

NANJING XIADING ELECTRONIC TECHNOLOGY CO.,LTD

Nanjing Xiading Electronic Technology Co., Ltd. is the leading manufacturer of wireless remote control systems in the world. Xiading Company has accumulated more than ten years of professional and technical experience in R&D, manufacturing and sales of industrial radio controls. It has passed the certification of most major industrial countries in the world, such as the European Union, the United States, Britain, Japan, Canada, Italy, Portugal, Belgium, etc. Its products are sold in more than 60 countries and regions in the world, such as Europe, America, Asia and Australia.

With long-term accumulated solid experience, we firmly believe that most industrial equipment can realize wireless operation, and are committed to providing customers with competitive, safe and reliable products in the fields of lifting equipment, metallurgy, construction machinery, automobile manufacturing, paper making, shipbuilding, nuclear power generation and construction machinery.
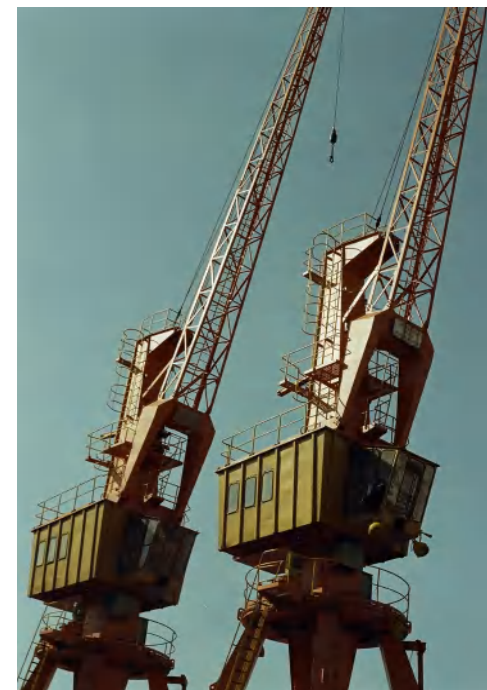
What have we brought to the world?

◎ Create value for customers

Xiading Electronics is committed to providing high-quality and innovative solutions to meet customer needs.

◎ Promote sustainable social development

As a responsible corporate citizen, we are committed to the wireless transmission of global industrial electrical instructions and the elimination of the shackles of equipment cables. Promote the concept of green and low-carbon environmental protection, and provide customers with leading energy-saving and environmental protection products and solutions from product planning, design, R&D, manufacturing, delivery and operation and maintenance. Energy saving and efficiency improvement are our DNA.。

◎ Promote the sound development of the industry

Xiading Electronics advocates openness, cooperation and win-win, cooperates with customers, partners and friends to innovate, expands industrial value and forms a healthy and benign industrial ecosystem. Join many standards organizations, industry associations and open source communities, actively participate in and support the formulation of industry standards and the protection of intellectual property rights, and build a win-win ecological circle. Facing the development trend of wireless remote control, we will cooperate with industrial partners to promote the sustainable and sound development of the industry.

◎ Promote economic growth

Xiading Electronics not only brings direct tax contribution to the host country, but also promotes local employment. More importantly, it creates wireless command transmission of industrial equipment through innovative solutions, promotes intelligent transformation of the industry, promotes economic growth, and improves people's quality of work and life.。

◎ Employee value proposition

Xiading Electronics provides employees with a platform for career and personal development in various ways, including corporate culture, employee welfare, teamwork, job challenges and ability improvement. What we are interested in is your excellent ability to serve customers.

Xiading Electronics will continue to focus on the wireless remote control system of electrical command and the intelligent terminal control system of electrical automation, and make steady and continuous investment in products, technologies, basic research, engineering capabilities, standards and industrial ecology, adhere to the customer-centered principle, live up to the historic opportunity generously given to us by the times, and build the cornerstone of the company to build safer and more convenient wireless command products and intelligent control systems.

Research and development

Xiading is committed to transforming leading technology into better and more competitive product solutions to help customers achieve business success, thus driving their own human resources and financial indicators to increase value.

Xiading has made some research achievements in future-oriented basic research and innovation, hoping to contribute to the development of the industry with the help of technological innovation breakthroughs, and will continue to actively explore wireless and intelligent, and make progress in command wireless exchange and intelligent control.

Xiading and the world's outstanding resources jointly carry out open and innovative cooperation to jointly promote the development of wireless and intelligent technologies. We are open and cooperative with many research institutes, units and scholars in various professional fields such as product industrial design, wireless data transmission and intelligent control, adhere to open technological innovation, promote win-win cooperation between production, education and research, give attention to personnel training, develop advanced algorithms, and solve basic problems of technology development, manufacturing process and practical application by using basic physics concepts.。

Corporate honor

Design Patent Certificate 30 +

Patent Certificate of Utility Model 30 +

Patent Certificate of Software Works 20 +

Explosion-proof certificate 20 +

Q Series wireless remote controls for industrial applications

®

Safe ●Reliable

Knob

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 ℃-+ 75A ℃
Shell material: Industrial PA6+30% GF
Protection level: IP65

Receiver specification

Frequency: 433/480 MHz Shell Material: Industrial PA6+30% GF
Receiving sensitivity:-112dBm 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 ℃-+ 75 ℃

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		15 * 8.75 * 18cm
Q600	6-point single speed + emergency stop + start	19 * 7.2 * 3.9cm	
Q602	2-point two-speed +4-point single-speed + emergency stop + start		20.5 * 7 * 22cm
Q606	6-point two-speed + emergency stop + start		
Q800	8-point single speed + emergency stop + start		
Q808	8-point two-speed + emergency stop + start		
Q1000	10-point single speed + emergency stop + start	23.9 * 7.2 * 3.9cm	
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	24.7 * 14.5 * 18cm	24.5 * 14 * 18cm

LCC ®

Safe ●Reliable

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

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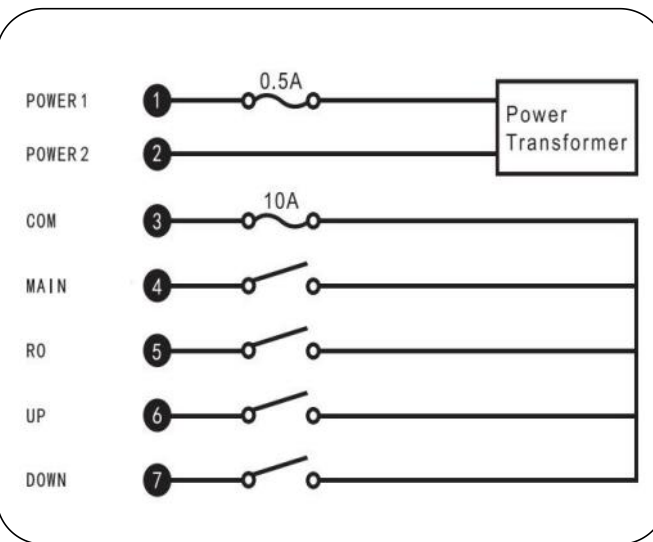Length148×Width76×Height40 mm
Weight: 0.24kg

Model: Q202
2-point two-speed button
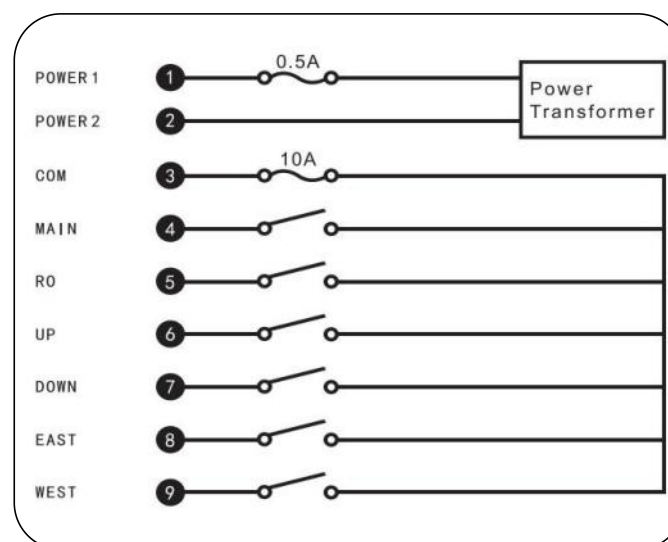Length148×Width76×Height40 mm
Weight: 0.24kg

Model: Q404
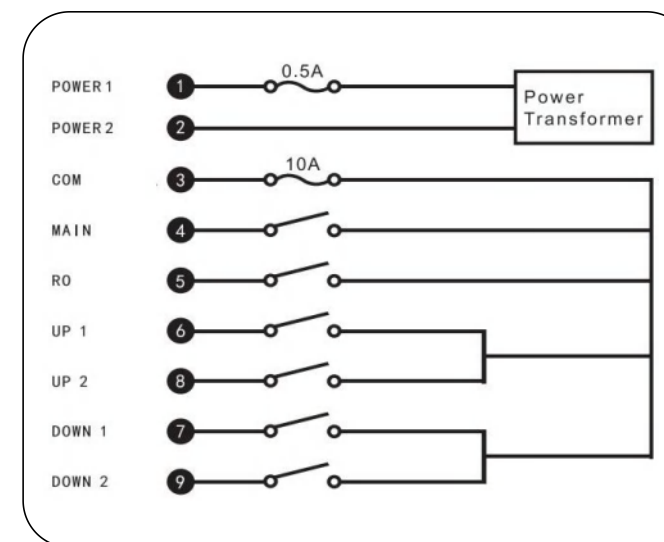4-point two-speed button
Length148×Width76×Height40 mm
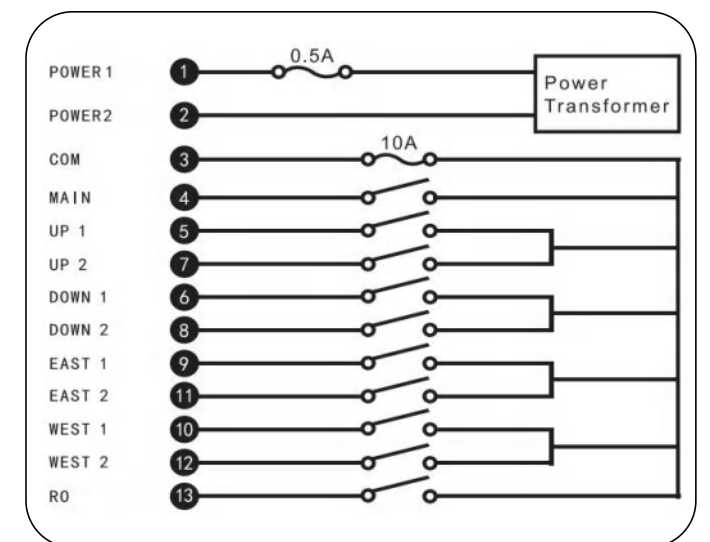Weight: 0.24kg

Q200 wiring diagram

POWER1 1 0.5A Power Transformer
POWER2 2
COM 3 10A
MAIN 4
RO 5
UP 6
DOWN 7

Q400 wiring diagram

POWER1 1 0.5A Power Transformer
POWER2 2
COM 3 10A
MAIN 4
RO 5
UP 6
DOWN 7
EAST 8
WEST 9

Q202 wiring diagram

POWER1 1 0.5A Power Transformer
POWER2 2
COM 3 10A
MAIN 4
RO 5
UP 1 6
UP 2 8
DOWN 1 7
DOWN 2 9

Q404 wiring diagram

POWER1 1 0.5A Power Transformer
POWER2 2
COM 3 10A
MAIN 4
UP 1 5
UP 2 7
DOWN 1 6
DOWN 2 8
EAST 1 9
EAST 2 11
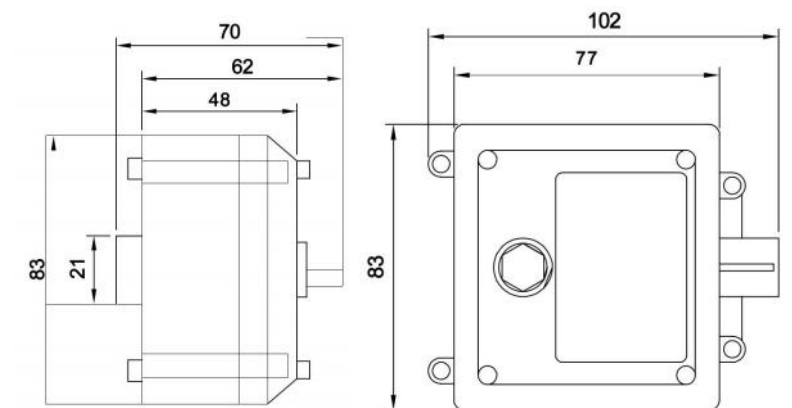WEST 1 10
WEST 2 12
RO 13

·**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.

Receiving device Technical date

Receiver
Length102×Width70×Height83mm
Weight: 0.42kg

70 62 48 102 77 83 21 83

C E FC

Application for various industrial fields

LCC ®

Safe ●Reliable

Model: Q600
6-point two-speed button
Length192×Width76×Height40 mm
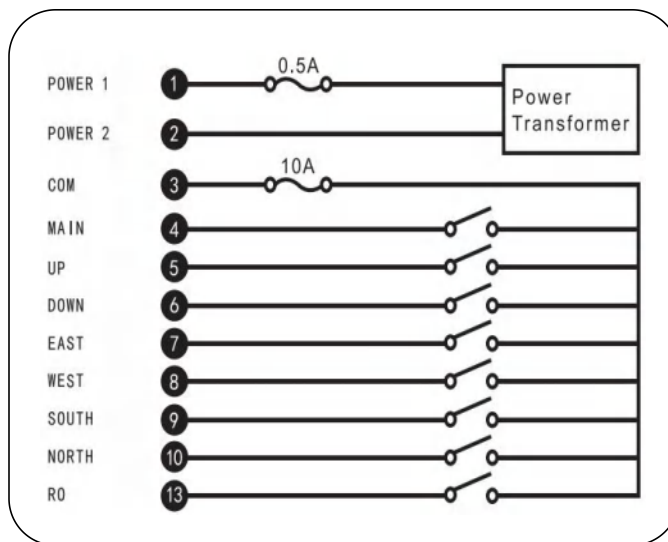Weight: 0.28kg

Model: Q602
2 -point two-speed +4-point single speed button
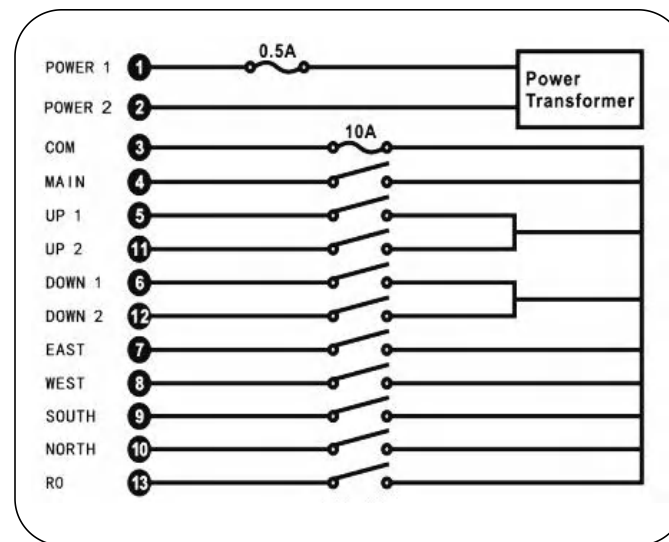Length192×Width76×Height40 mm
Weight: 0.28kg

Model: Q800
8-point single speed button
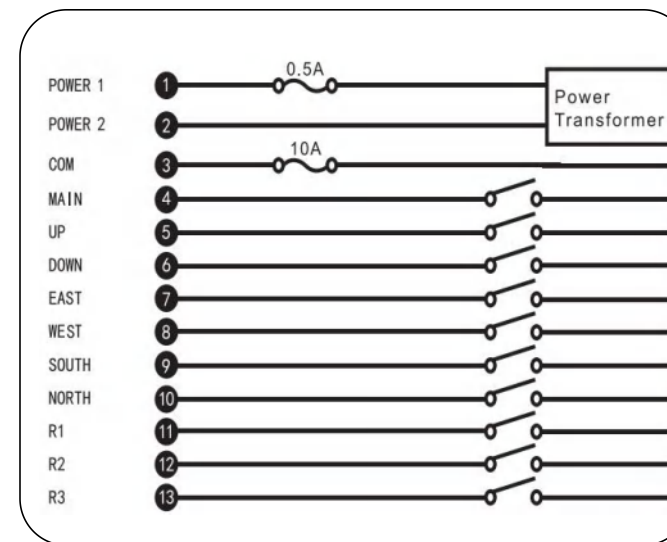Length192×Width76×Height40 mm
Weight: 0.28kg

Q600 wiring diagram

		0.5A	
POWER 1	❶		Power Transformer
POWER 2	❷		
COM	❸	10A	
MAIN	❹		
UP	❺		
DOWN	❻		
EAST	❼		
WEST	❽		
SOUTH	❾		
NORTH	❿		
RO	⓭		

Q602 wiring diagram

		0.5A	
POWER 1	❶		Power Transformer
POWER 2	❷		
COM	❸	10A	
MAIN	❹		
UP 1	❺		
UP 2	⓫		
DOWN 1	❻		
DOWN 2	⓬		
EAST	❼		
WEST	❽		
SOUTH	❾		
NORTH	❿		
RO	⓭		

Q800 wiring diagram

|		0.5A	
POWER 1	❶		Power Transformer
POWER 2	❷		
COM	❸	10A	
MAIN	❹		
UP	❺		
DOWN	❻		
EAST	❼		
WEST	❽		
SOUTH	❾		
NORTH	❿		
R1	⓫		
R2	⓬		
R3	⓭		

· **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.

Receiving device Technical date

Receiver
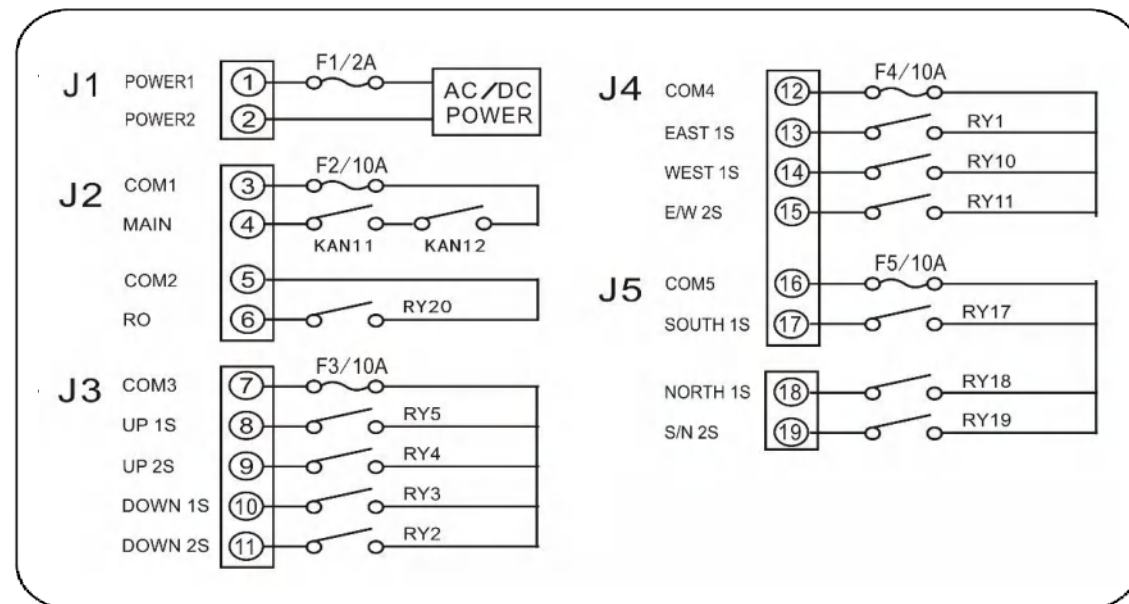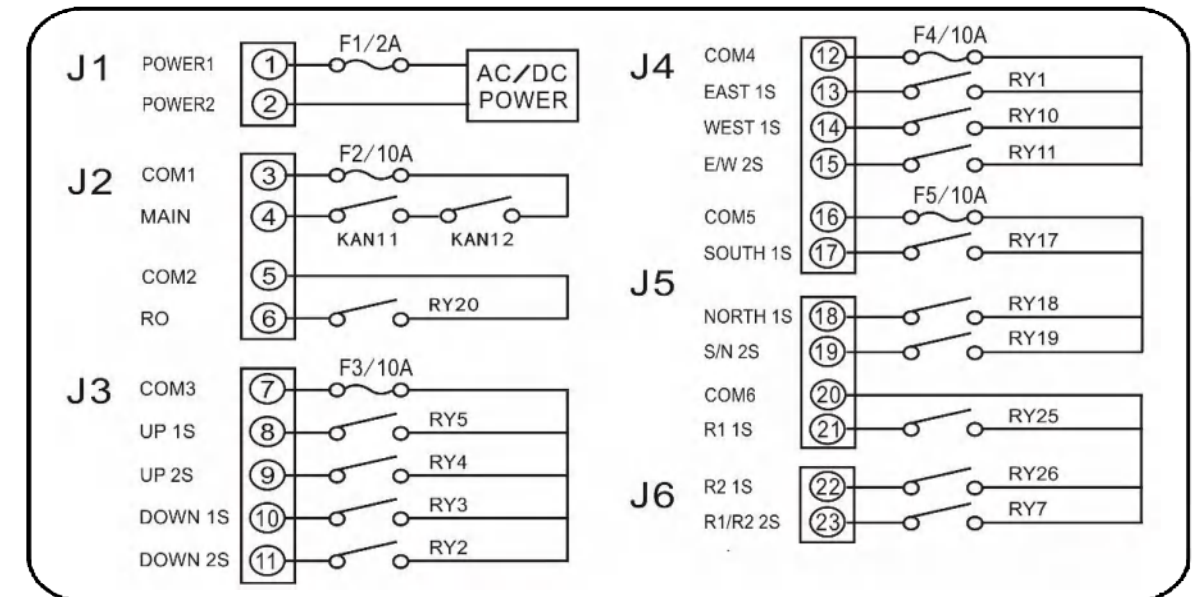Length150×Width87.5×Height180 mm   Weight: 0.90kg

C E FC

LCC ®

Safe ●Reliable
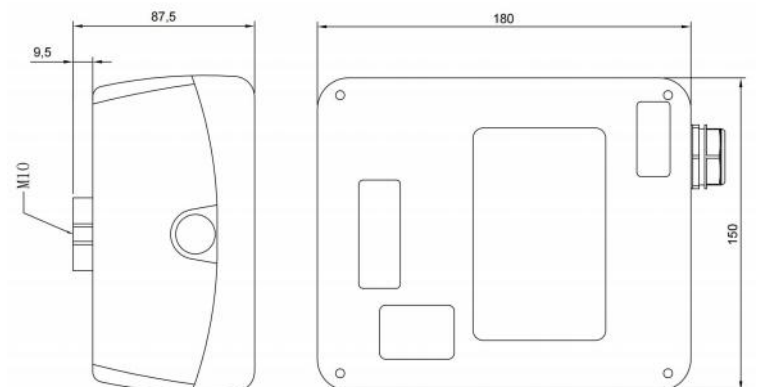
Model: Q606
6-point two-speed button
Length190×Width72×Height39 mm
Weight: 0.28kg

Model: Q808
8-point two-speed button
Length190×Width72×Height39 mm
Weight: 0.28kg

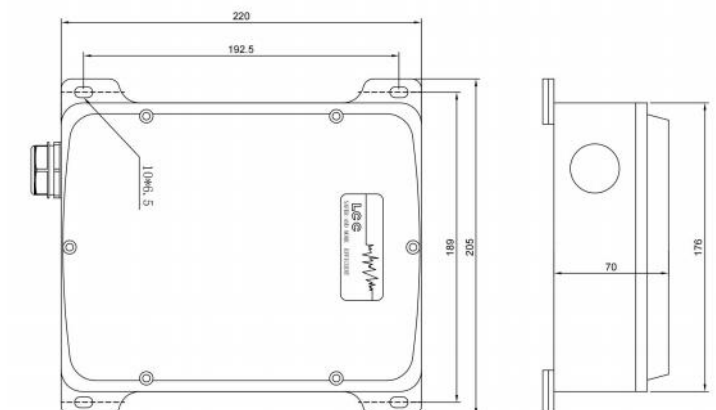**Q606 wiring diagram**

Q808 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.

Receiving device Technical date

Receiver
Length205×Width70×Height220mm   Weight: 1.30kg

Safe ●Reliable

Model: Q1000
10-point single speed button
Length239×Width72×Height39mm
Weight: 0.36kg

Model: Q1200
12-point single speed button
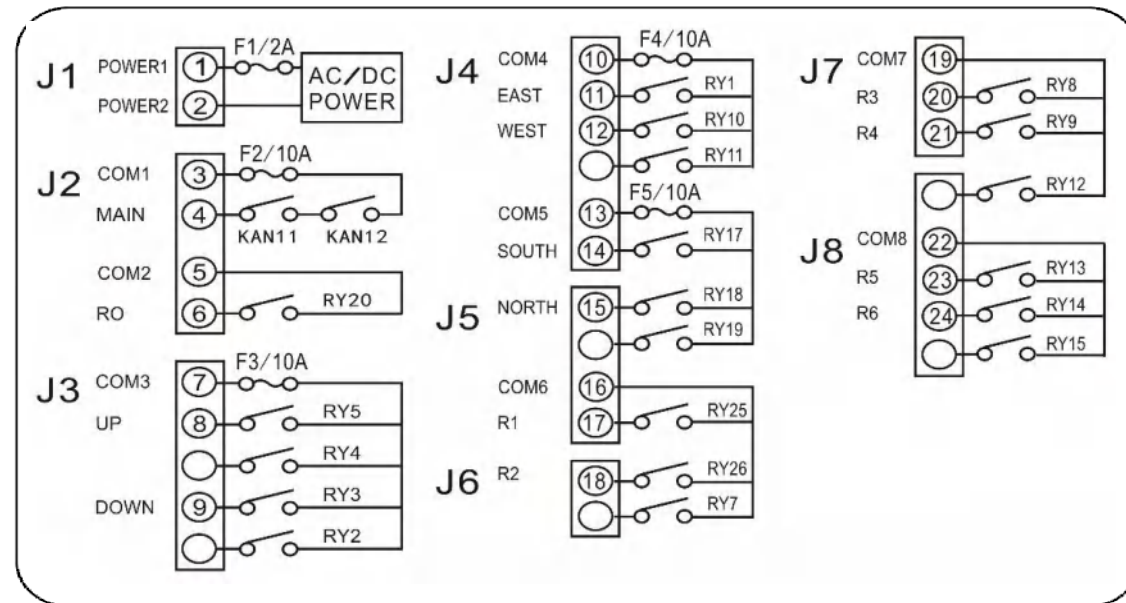Length239×Width72×Height39mm
Weight: 0.36kg

Model: Q1010
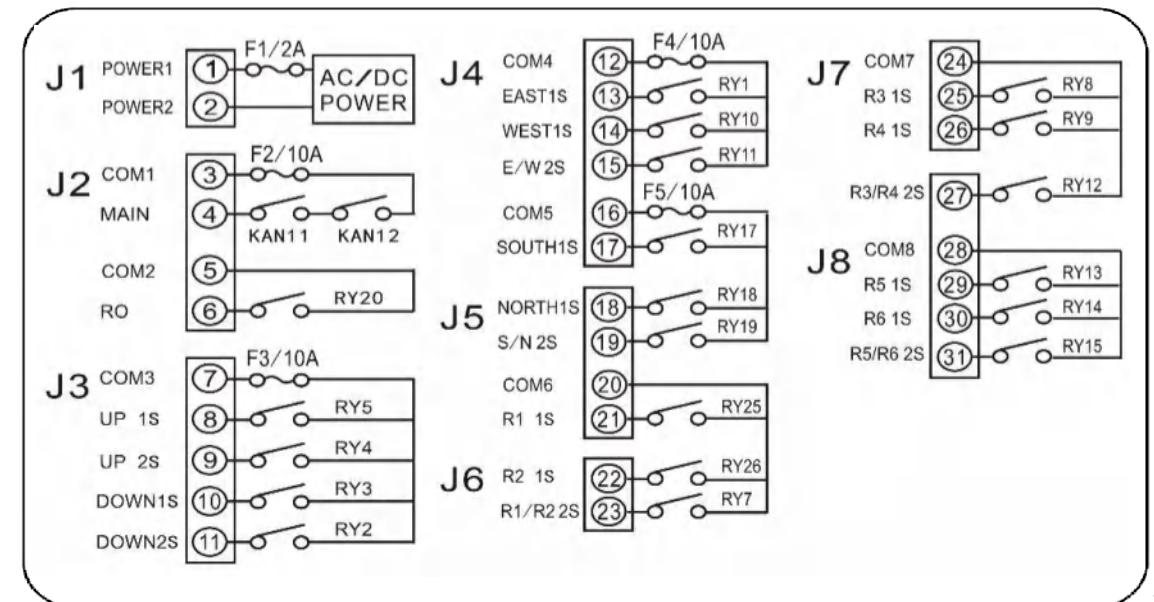10-point two-speed button
239×72×39 mm
Weight: 0.36kg

Model: Q1212
12-point two-speed button
Length239×Width72×Height39mm
Weight: 0.36kg

Q1000/Q1200 wiring diagram

Q1010/Q1212 wiring diagram

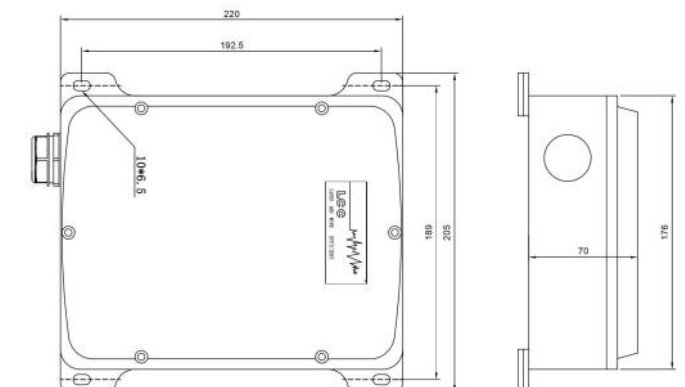·Ergonomic and lightweight ·High safety and reliability ·Wireless remote control pairing

· 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.

Receiving device Technical date

Receiver
Length205×Width70×220 mm

Weight: 1.48kg

Application for various industrial fields

运用于各种工业行业

A Series-Mini Transmitter Handheld transmitter

A200   A400   A600   A500

· **Miniature and lightweight appearance**

· **High safety and reliability**

· **Wireless remote pairing**

· **IP65-compliant waterproof/oil/dust-proof enclosures**

The transmitter key can be pressed continuously for 2 million times.

Low power consumption design: use two No.5 batteries for 3 months

The application of programmable functions and parameters can be used by computer interface to change the required function settings.

200 sets of channels that can be set by the user's own computer.

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.

The receiver can automatically search for the transmitter channel function, and the replacement of the transmitter does not require professional equipment pairing.

Technical specification

Frequency: 433/480 MHz
Transmitter RF power: less than 10mW
Remote control distance: 100M
Power supply: LR6 (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:-10 ℃-+ 75A ℃
Shell material: Industrial PA6+30% GF
Protection level: IP65

Receiver specification

Frequency: 433/480 MHz Shell Material: Industrial PA6+30% GF
Receiving sensitivity:-112dBm Protection level: IP67
Remote control distance: 100M
Modulation mode: GFSK
Frequency control: PLL
Antenna impedance: 50 Ω
Reaction time: 50-100MS
Capacitance: 5A @ 250V
Power supply: DC 10V-30V (50HZ ~ 60HZ)
AC/DC 36V-480V (50HZ ~ 60HZ)
Average power consumption (standby) 15mA @ AC220V
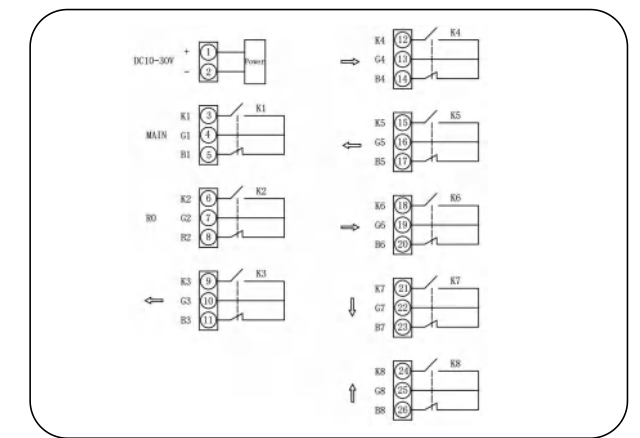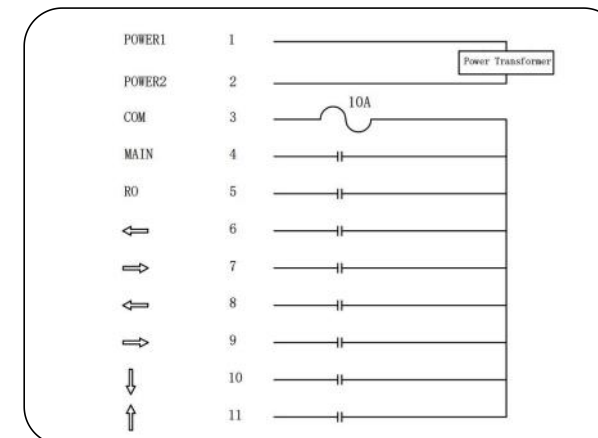Operating temperature:-35 ℃-+ 75 ℃

Device

Receiver
Length166×Width111×Height56 mm
Weight: 0.46kg
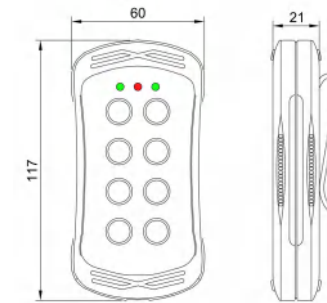
Transmitter
Length60 ×Width21 ×Height117mm
Weight: 0.22kg

wiring diagram

customize

Customizable:
Panel text and graphics, logical relationship,   Output Mode (CAN, 485,232)

Q5000-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 @ 5Ames
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 k
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)

Introduction of Product Icon

Transmitter (Length)247mm X (Width)145mm X (Height)180mm
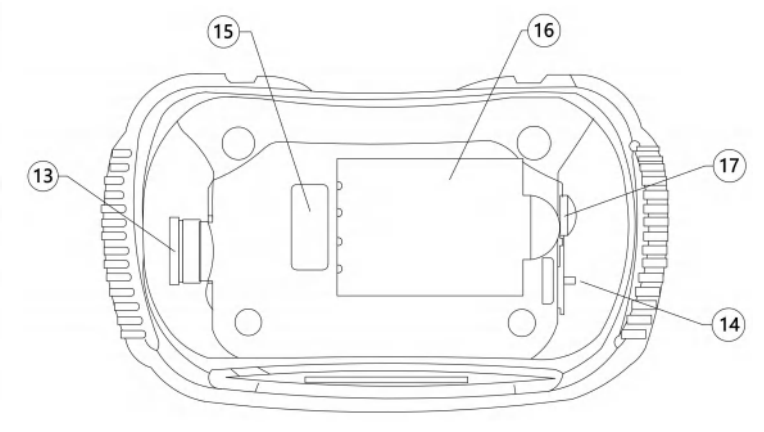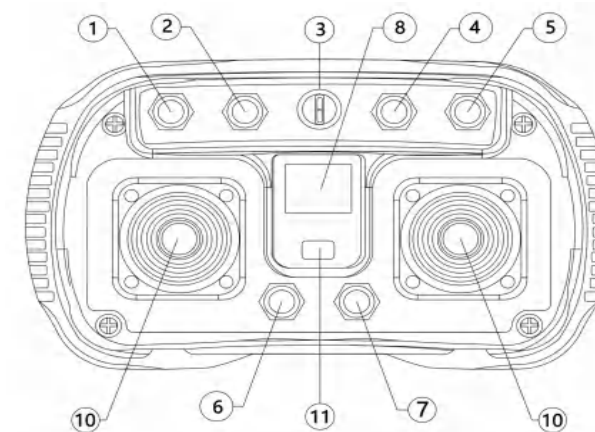
1.SW1 button or switch	7. SW7 button
2. SW2 button or switch	8. LCD Screen (Optional)
3. SW3 button or switch	9. Left Shake (L)
4. SW4 button or switch	10. Right Shake (R)
5. SW5 button or switch	11. Status Indicator light
6. SW6 button	12. Shoulder strap/waistband connector

13. Red emergency stop button
14. Power switch
15. System information
16. Batteries
17. TART boot button

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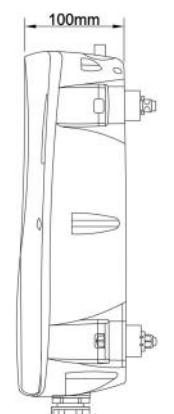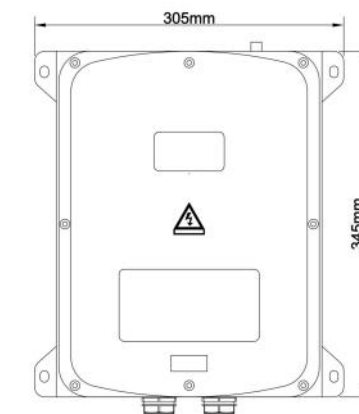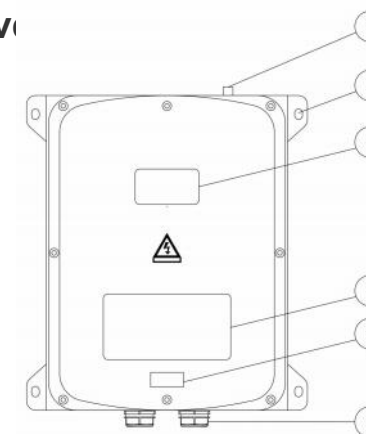
1. External antenna BNC connector
2. Cable locking head
3. System data
4. Brand LOGO
5. Shock-proof seat
6. Precautions

Q5000 wiring diagram

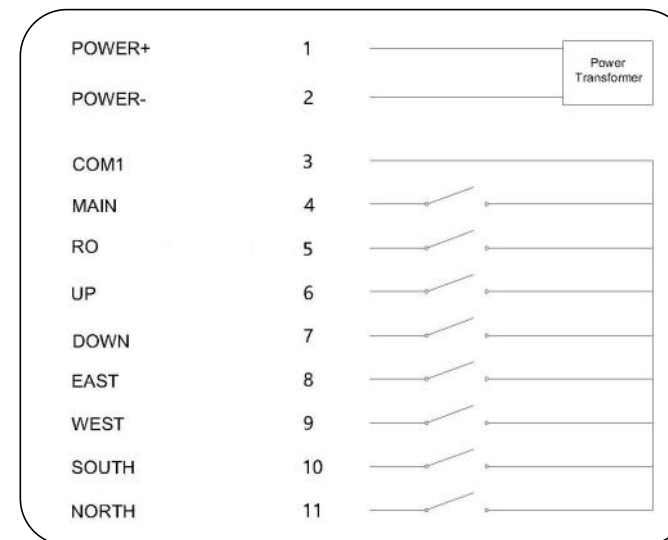| Wire NO.	Command	Relay contant	Common line
2-1	AC-1	F1 0.5A	
2-2	AC-2		
2-3	START-IN	F3 10A	
2-4	START-OUT	DB1 DB2	
2-21	COM-1		F4 10A
2-22	COM-2		F7 10A
2-23	COM-3		F5 10A
2-24	COM-4		F6 10A
1-1			RY 1
1-2	RO		RY 2
1-3	AUX 1		RY 3
1-4	AUX 2		RY 4
1-5	AUX 3		RY 5
1-6	AUX 4		RY 6
1-7	2SW C		RY 7
1-8	3SW A		RY 8
1-9	3SW B		RY 9
1-10			RY 10
1-11			RY 11
1-12	2SW D		RY 12
1-13	GUINCHO-B(U)1		RY 13
1-14	GUINCHO-B(D)1		RY 14
1-15	GUINCHO-B(U/D)2		RY 15
1-16	GUINCHO-B(U/D)3		RY 16
1-17	GUINCHO-B(U/D)4		RY 17
1-18	GUINCHO-B(U/D)5		RY 18
1-19	PONTE(L)1		RY 19
1-20	PONTE(R)1		RY 20
1-21	PONTE(L/R)2		RY 21
1-22	PONTE(L/R)3		RY 22
1-23	PONTE(L/R)4		RY 23
1-24	PONTE(L/R)5		RY 24
2-5	GUINCHO-A(U)1		RY 25
2-6	GUINCHO-A(D)1		RY 26
2-7	GUINCHO-A(U/D)2		RY 27
2-8	GUINCHO-A(U/D)3		RY 28
2-9	GUINCHO-A(U/D)4		RY 29
2-10	GUINCHO-A(U/D)5		RY 30
2-11	CARRO(L)1		RY 31
2-12	CARRO(R)1		RY 32
2-13	CARRO(L/R)2		RY 33
2-14	CARRO(L/R)3		RY 34
2-15	CARRO(L/R)4		RY 35
2-16	CARRO(L/R)5		RY 36
2-17			RY 37
2-18			RY 38
2-19			RY 39
2-20			RY 40

QA Series - New 2024 Recommended

Model: QA600
6-point single-speed push
Transmitter:
192(length)×76(width)× 40 (height) mm
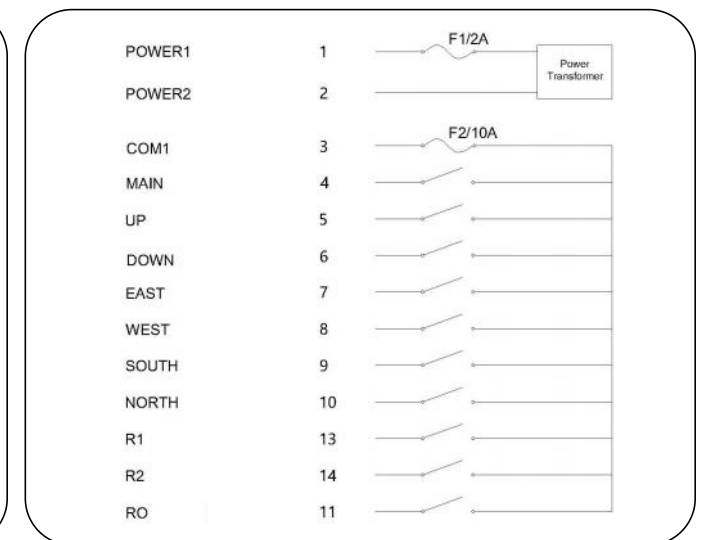Receiver:
166(length)×110(width)×56(height) mm

Model: QA800
8-point single-speed push
Transmitter:
192(length)×76(width)× 40 (height) mm
Receiver:
190(length)×85(width)×55(height) mm

QA600 wiring diagram

POWER+	1	Power Transformer
POWER-	2	
COM1	3	
MAIN	4	
RO	5	
UP	6	
DOWN	7	
EAST	8	
WEST	9	
SOUTH	10	
NORTH	11	

QA800 wiring diagram

POWER1	1	F1/2A Power Transformer
POWER2	2	
COM1	3	F2/10A
MAIN	4	
UP	5	
DOWN	6	
EAST	7	
WEST	8	
SOUTH	9	
NORTH	10	
R1	13	
R2	14	
RO	11	

· **Ergonomic and lightweight**   · **High safety and reliability**   · **Wireless remote pairing**

The application of programmable 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.

The transmitter keys can be pressed continuously for 2 million times, which is absolutely durable.

Operating distance standard 100 m (other control distances can be customized)

The receiver can automatically search for the transmitter channel function, and the replacement of the transmitter does not require professional equipment pairing.

Industrial grade reinforced nylon shell, high temperature resistance, waterproof and oil resistance fully comply with IP66/NEMA international specifications.

CE FC   Application for various industrial fields

Display-X series Handheld transmitter

(standard version)
Model: X1010
10-point
single/double speed
button
L 239×W72×H40 mm
Weight:0.40kg

(standard version)
Model: X606
6-point single/double
speed button
L 192×W 76×H 40mm
Weight:0.28kg

Product Function

·2-12 single and double speed buttons

·Display content can be customized

·Optional output 485, 232, CAN

·Can achieve one-to-one or one-to-many

•**Ergonomic and lightweight**

•**High security and reliability**

•**Wireless remote control pairing**

·The application of functions and parameters can be programmed through the computer interface and the required function settings can be changed

·Multiple security protection design, more than 4.3 billion never-repeated security codes, fault self-diagnosis and automatic frequency locking tracking

·Synchronous encoding and decoding data transmission technology, with software interference elimination, error detection, and correction functions

·The transmitter button can be pressed continuously for 2 million times, making it absolutely sturdy and durable.

·The standard operating distance is 100 meters (other control distances can be customized)

·The receiver can automatically search the transmitter channel function, and no professional equipment pairing is required to replace the transmitter.

·Industrial-grade reinforced nylon shell, high temperature resistance, waterproof and oil-proof, fully compliant with IP66/NEMA international specifications.

Safe●Reliable

Specification

Transmitter specifications

Frequency: 433/480MHz
Transmitter RF power: less than 10mW
Remote control distance: 100M
Power supply: LR (AA) 1.5Vx2 DC3V
Modulation method: GFSK
Frequency control: PLL
Antenna impedance: 50Ω
Command 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: 433/480MHz   Shell material: Industrial PA6+30%GF
Reception sensitivity: -112dBm Protection level: IP65
Remote control distance: 100M
Modulation method: GFSK
Frequency control: PLL
Antenna impedance: 50Ω
Response time: 20-100MS
Capacity: 5A@250V
Power supply: AC/DC24V - 264V AC/DC110V-460V
        AC/DC 9-24V AC/DC 36-480V
Average power consumption (standby) 15mA@AC220V
Operating temperature: -35°C - +75°C

Selection date

Model	Control points	Transmitter size	Receiver size
X200	2-point single speed + emergency stop + start	14.5 * 7.5 * 3.8cm	10.2 * 7 * 8.3cm
X202	2-point double speed + emergency stop + start		
X400	4-point single speed + emergency stop + start		
X404	4-point double speed + emergency stop + start		
X600	6-point single speed + emergency stop + start	19 * 7.2 * 3.9cm	15 * 8.75 * 18cm
X602	2 -point double speed + 4 points single speed +Emergency stop+Start		
X606	6-points double speed + emergency stop + start		
X800	8-point single speed + emergency stop + start		
X808	8-point double speed + emergency stop + start		20.5 * 7 * 22cm
X1000	10-point single speed + emergency stop + start	23.9 * 7.2 * 3.9cm	
X1010	10-point double speed + emergency stop + start		

Q9000-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.
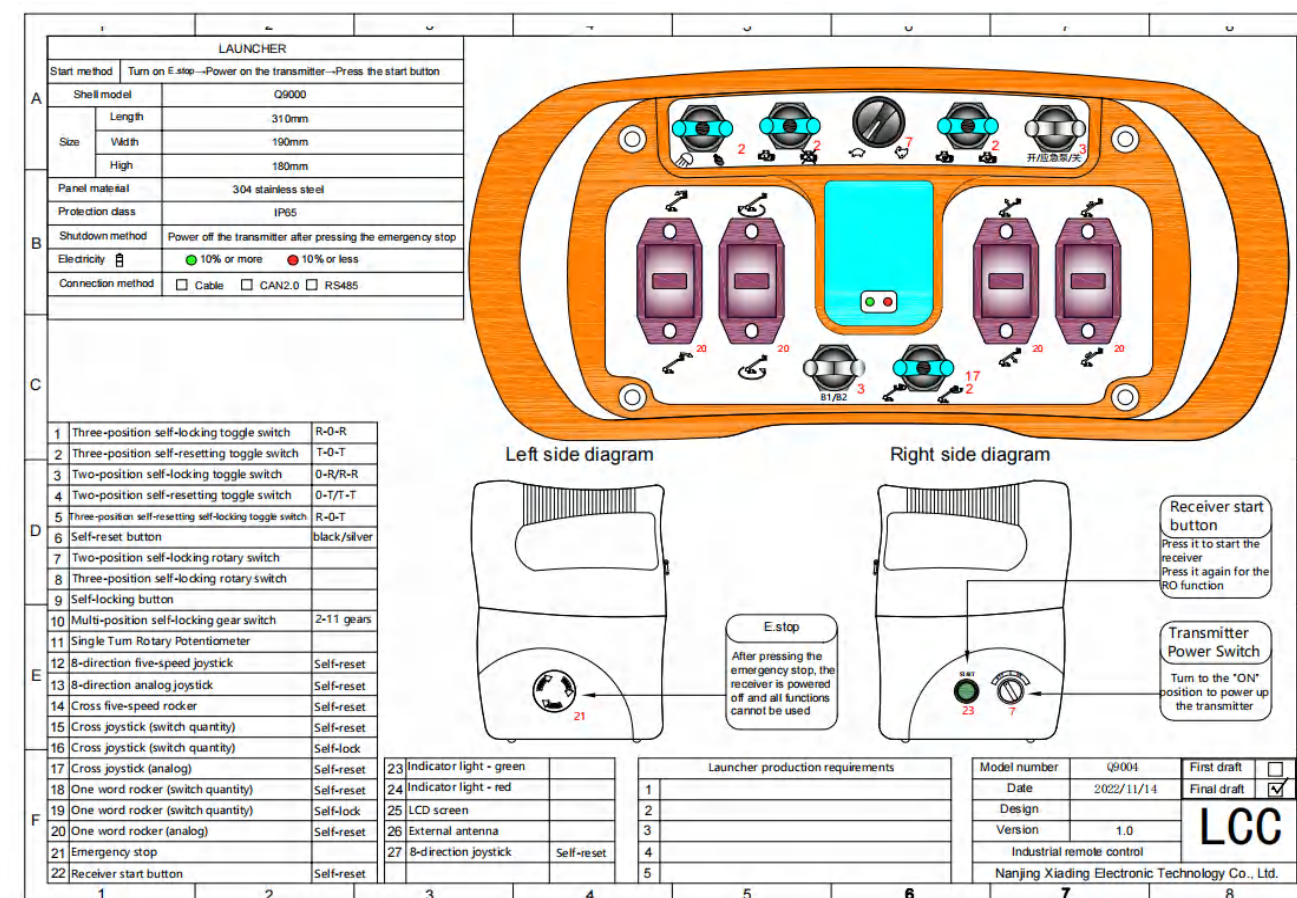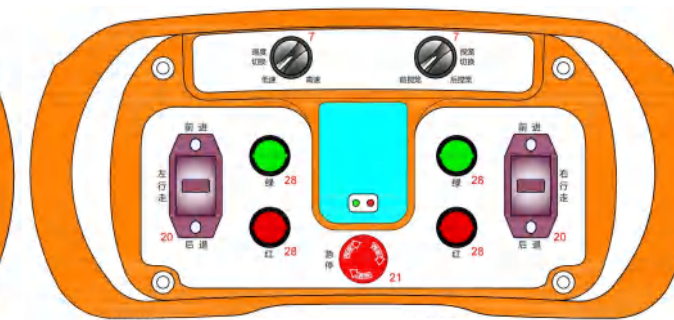

It can be customized according to customer needs......

Safe ●Reliable

Introduction to Customized Icons

Left side diagram   Right side diagram

(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.

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.
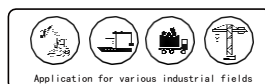

The extraordinary communication design, synchronous encoding and decoding data transmission, with software to eliminate interference, debug, correction functions.

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.
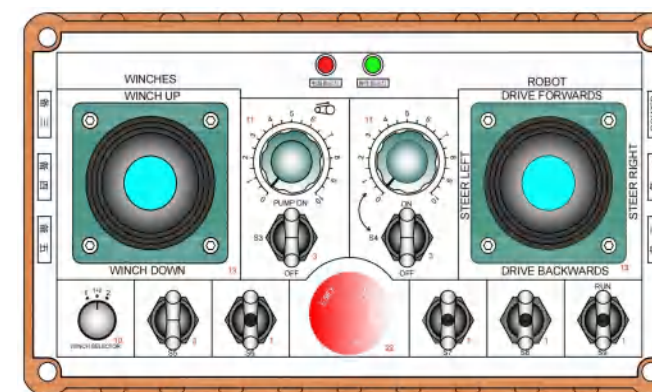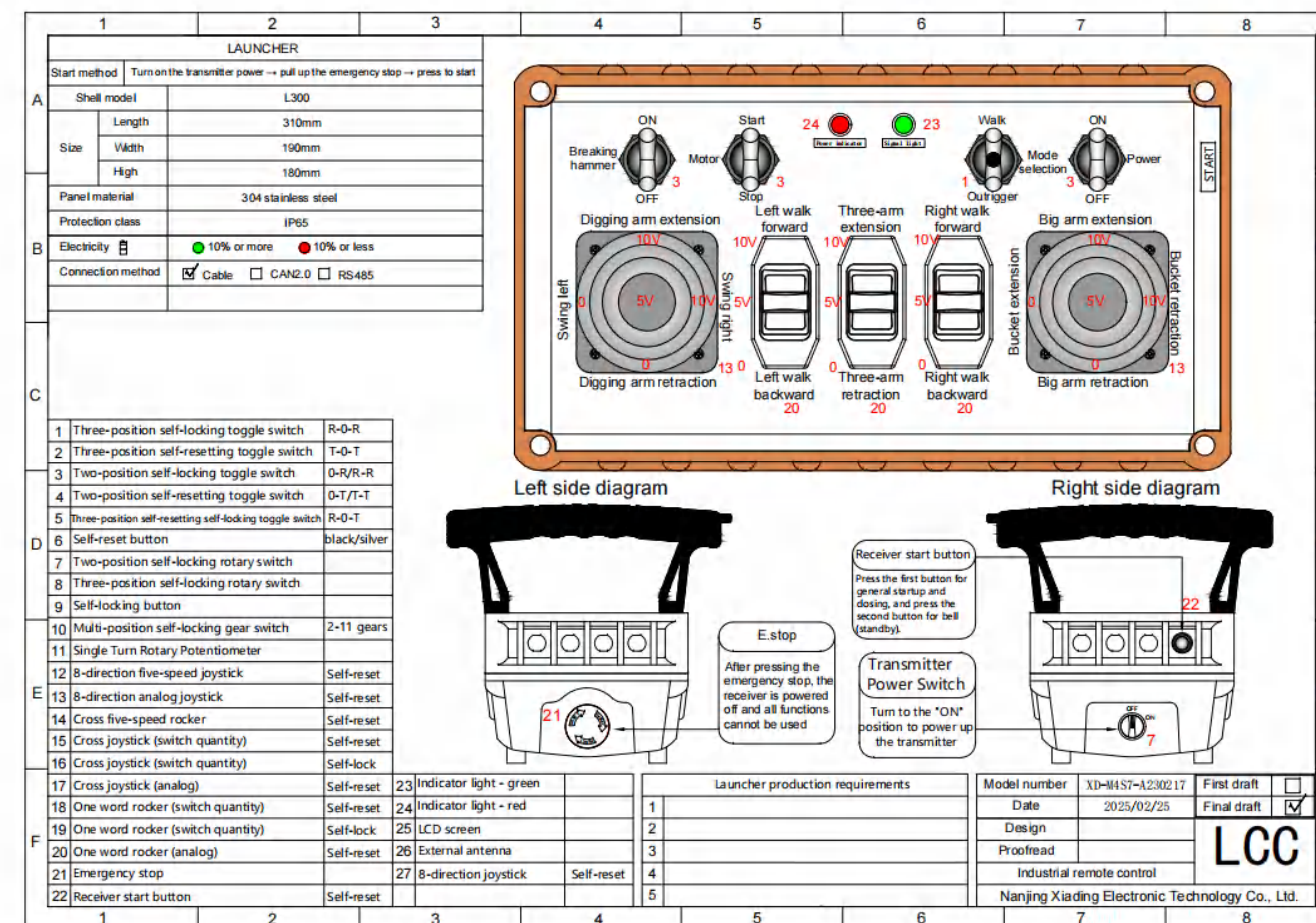

Intelligent active safety function design: such as failure to start when switch/rocker and other components fail, reinforced watchdog automatic stop device, countermeasures to prevent sudden power cut-off, etc.

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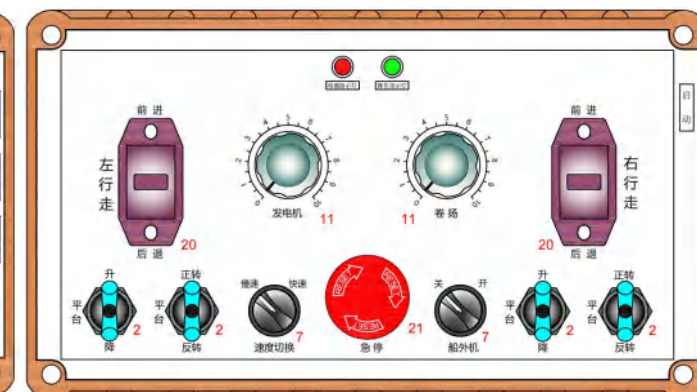

It can be customized according to customer needs......

Safe ●Reliable

Introduction to Customized Icons

Left side diagram   Right side diagram

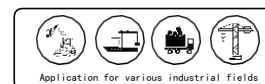|	Three-position self-locking toggle switch	R-0-R
1	Three-position self-locking toggle switch	R-0-R
2	Three-position self-resetting toggle switch	T-0-T
3	Two-position self-locking toggle switch	0-R/R-R
4	Two-position self-resetting toggle switch	0-T/T-T
5	Three-position self-resetting self-locking toggle switch	R-0-T
6	Self-reset button	black/silver
7	Two-position self-locking rotary switch	
8	Three-position self-locking rotary switch	
9	Self-locking button	
10	Multi-position self-locking gear switch	2-11 gears
11	Single Turn Rotary Potentiometer	
12	8-direction five-speed joystick	Self-reset
13	8-direction analog joystick	Self-reset
14	Cross five-speed rocker	Self-reset
15	Cross joystick (switch quantity)	Self-reset
16	Cross joystick (switch quantity)	Self-lock
17	Cross joystick (analog)	Self-reset
18	One word rocker (switch quantity)	Self-reset
19	One word rocker (switch quantity)	Self-lock
20	One word rocker (analog)	Self-reset
21	Emergency stop	
22	Receiver start button	
23	Indicator light - green	
24	Indicator light - red	
25	LCD screen	
26	External antenna	
27	8-direction joystick	Self-reset

(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.

XDA series-Handheld analog knob
Hand-held analogue

XBA100　　XDA200　　XDA400　　XDB200　　XDB400　　XDA600

PRODUCT FUNCTION

- •**Support 4 channels of analog signal output**
- •**Support 6 channels/14 channels of switch output**
- •**The display content can be customized**
- •**The wireless WIFI module can be used to change parameters**
- •**Can realize one-to-one or one-to-many**

·Selectable communication methods: Modbus RTU485, CAN2.0B wireless remote control pairing

·The receiver can automatically search the transmitter channel function, and no professional equipment pairing is required to replace the transmitter.

·The transmitter button can be pressed continuously for 2 million times, making it absolutely sturdy and durable.

·Synchronous encoding and decoding data transmission technology, with software interference elimination, error detection, and correction functions.

·Multiple security protection design, more than 4.3 billion never-repeated security codes, self-defeating. Diagnostics and automatic frequency lock tracking.

·Industrial-grade reinforced nylon shell, high temperature resistance, waterproof and oil-proof. IP65/NEMA international specification.

LBA series-display model Display model

LBA100　　LDA200　　LDA400　　LDB200　　LDB400　　LDA600

Specification

Technical specifications

Shell: Industrial PA6+30%GF
Protection level: IP65
Transmitter specifications:
Frequency: 433MHz
Transmitter RF power: less than 10mW
Power supply: LR (AA) 3.7Vx2 DC7.4V
Modulation method: GFSK
Frequency control: PLL
Temperature range: -35℃~+75℃
Transmitter power supply: 2 alkaline AA batteries
Transmitter size: 192*76*40mm

Receiver specifications

Shell: Industrial PA6+30%GF
Protection level: IP65
Receiving sensitivity: -112dBm
Modulation method: GFSK
Frequency control: PLL
Antenna impedance: 50Ω
Capacity: 5A@250V
Power supply: AC/DC 9-24V
Average power consumption (standby) 15mA@AC220V
Temperature range: -35℃~+75℃
Voltage: 0-5V 0-10V inching self-locking (optional)
Transmitter size: 166*110*56mm
*The specific dimensions are subject to the actual object.

Application scope

　　Welding and cutting, submerged arc welding, gas arc welding, gas shielded welding wireless remote control, welding machine operator, special plane, cross wireless remote control, pump truck, towing pump, drilling rig, AGV, sanitation truck, fire truck, electric construction truck , agricultural equipment, special robots, engineering vehicles, special drilling equipment and other equipment that require remote control.

BQ series-explosion-proof remote control

Explosion-proof remote control

Model: BQ600
6-point single/double speed button
L 190×W 72×H 40mm
Weight:0.28kg

Model: BQ1200
12-point single/double speed button
L 239×W72×H 40mm
Weight:0.36kg

PRODUCT FUNCTIONS

·2-12 single/double speed switching values

·Fully explosion-proof/semi-explosion-proof optional

·Optional output 485, 232, CAN

·Can achieve one-to-one or one-to-many

•**Ergonomic and lightweight**   •**High security and reliability**

•**Wireless remote control pairing**

·The application of functions and parameters can be programmed through the computer interface and the required function settings can be changed

·Multiple security protection design, more than 4.3 billion never-repeated security codes, fault self-diagnosis and automatic frequency locking tracking

·Synchronous encoding and decoding data transmission technology, with software interference elimination, error detection, and correction functions

·The transmitter button can be pressed continuously for 2 million times, making it absolutely sturdy and durable.

·The standard operating distance is 100 meters (other control distances can be customized)

·The receiver can automatically search the transmitter channel function, and no professional equipment pairing is required to replace the transmitter.

·Industrial-grade reinforced nylon shell, high temperature resistance, waterproof and oil-proof, fully compliant with IP66/NEMA international specifications.

CE FC   Application for various industrial fields

Explosion-proof type:
Explosion-proof is divided into three categories
 I: Underground electrical equipment in coal mines;
 II: electrical equipment for all other explosive gas environments except coal mines and underground mines.
 Class II can be further divided into Class IIA, IB, and IIC. Equipment marked IIB can be applied to the use conditions of IIA equipment; IIIC can be applied to the use conditions of IIA and IB.
 III: Electrical equipment in explosive dust environments other than coal mines.
Class IA: flammable flying dust; Class IB: non-conductive dust; Class IIIC: conductive dust.

Specification

Transmitterspecifications

Frequency: 433/480MHz
Transmitter RF power: less than 10mW
Remote control distance: 100M
Power supply: LR (AA) 1.5Vx2 DC3V
Modulation method: GFSK
Frequency control: PLL
Antenna impedance: 50Ω
Command 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 specifications

Frequency: 433/480MHz Shell material: Industrial PA6+30%GF
Reception sensitivity: -112dBm Protection level: IP65
Remote control distance: 100M
Modulation method: GFSK
Frequency control: PLL
Antenna impedance: 50Ω
Response time: 20-100MS
Capacity: 5A@250V
Power supply: AC/DC24V - 264V AC/DC110V-460V
            AC/DC 9-24V AC/DC 36-480V
Average power consumption (standby) 15mA@AC220V
Operating temperature: -35°C - +75°C

Receiver

With Explosin-proof Certificate
Complete qualifications

CE FC   Application for various industrial fields

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

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

Special equipment	bulldozer
Mobile trolley	Steel structure installation car
Move the flip car	Aerial work trucks
Knuckle boom crane	

High-pressure washer	lawn mower
Tracked vehicles	Three-cross proportions
Sheare	Four-way Truck crane
bulldozer	Ship engines
excavator	Truck crane