
Two-Way Wireless Intelligent Reception Controller

一、 summary

The dual-channel wireless intelligent receiving controller designed and manufactured by our company outputs digital signals to two relays, enabling controlled devices to achieve switching operations for power and signal circuits, direct current motor direction reversal, and compliance with various specialized control requirements. It is primarily applied in applications such as electric doors, windows, lifting equipment, access gates, elevators, industrial automation, and security systems.

This wireless receiving controller features high security, large storage capacity, stable performance, and low power consumption, while offering user-friendly operation. It eliminates the need for traditional jumper wires or digital code switches—simply receive and store the wireless signal transmitted by the remote control to enable seamless integration. If a remote control that has been successfully registered is lost, simply erase the stored information in the controller; the lost remote will then lose its remote control functionality. To regain access, the owner must re-register the controller. The controller supports four output modes: self-locking, pulse, interlocking, and 3-second delay.

二、 Output Method

A、 Signal for 3 seconds — 1 connected, 2 and 3 disconnected:

Press either of the two buttons on the remote control: Relay 1 closes for 3 seconds before automatically opening; press either of the two buttons at the bottom: Relay 2 closes for 3 seconds before automatically opening.

B、 Signal self-locking – 2-in-1, 3-disconnected

Press either of the two buttons on the remote control to close relay 1; press either button again to open relay 1.

Press either of the two buttons below the remote control to close Relay 2; press either button again to open Relay 2.

C、 Signal interlock – 3-in-1, 2-independent

Press either of the two buttons on the remote control to close relay 1 and open relay 2; press either of the two buttons at the bottom of the remote control to open relay 1 and close relay 2.

D、 Signal pulse – 1, 2, and 3 are not connected

Press and hold either of the two buttons on the remote control to close Relay 1; release to open it.

Press and hold either of the two buttons on the bottom of the remote control to close Relay 2; release to open it.

(See the "Wiring Diagram" for details.)

三、 Methods and Steps for Learning and Code Clearing

Press the learning button on the controller. Once the LED light turns on, release the button to activate the learning mode (the LED turns off). Then press the corresponding remote control button. When the controller's LED flashes five times before turning off, learning is complete. Up to 30 buttons of this type can be learned.

If the remote control is lost and you want to disable it completely, press and hold the learning button for over 8 seconds until the LED light turns off; the controller will automatically erase all stored data. To reuse the remote, simply repeat the learning process.

四、 the key technical indexes

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3. Operating temperature: -40°C to $+80^{\circ}\text{C}$ 4. Reception sensitivity: $\leq -105\text{ dBm}$

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5. Operating frequency: 433 MHz 6. Contact current: $\leq 10\text{ A}$ 5. Operating frequency: 433 MHz 6. Contact current: $\leq 10\text{ A}$

7. Remote control capacity: 30 (fixed code HT6P20B)

8. Dimensions: 62 mm \times 43.5 mm \times 30 mm

五、 hookup


