

RF Wireless Remote Control Receiver

Feature:

Wireless control, easy to install

Control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances with voltage AC110~240V or DC0~28V.

You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance; the wireless RF signal can pass through walls, floors and doors.

With characteristics of reverse power protection and over current protection

Audible / visual indication

Use an 8-bit microcontroller with low-power and high-speed CMOS technology.

Reliable control: The transmitter (Encoding) and the receiver (Decoding) use an 8-bit code.

One/ several transmitters can control one/ several receivers simultaneously.

If you use one or more receivers in the same place, you can set them with different codes.

Transmitting Frequency: 315MHz

Receiver:

Model No.: S1US-DC(4~12V)

Channel: 1 CH

Control Modes: Momentary, Latched, Toggle

Coding Type: Fixed code

Coding Setting: By learning

Power Supply (Operating Voltage): DC 4~12V

Output: Relay output (Normally open and normally closed)

Working Voltage Range of Relay: AC110~240V or DC0~28V

PCB Size: 25mm x 11mm x 7mm

Static Current: $\leq 7\text{mA}$

Maximum Working Current of Relay: 2A

Receiver Working Current: 30mA

Usage:

Setting different control modes (We have set the receiver as Latched control mode before delivery. If you want to use other control modes, do as following operation):

Setting control mode Toggle: Do not connect

Control mode Toggle: Press -> On; Press again -> Off.

Press button 1: Turn on the relay (connect B and C, disconnect A and B)

Press button 1 again: Turn off the relay (disconnect B and C, connect A and B)

Setting control mode Momentary: Connect terminal 1 and 2

Control mode Momentary: Press and hold -> On; Release -> Off.

Press and hold button 1: Turn on the relay (connect B and C, disconnect A and B)

Release button 1: Turn off the relay (disconnect B and C, connect A and B)

Setting control mode Latched: Connect terminal 3 and 4

Control mode Latched: Press -> On, other relays Off; Press another button -> Off.

Press button 1: Turn on the relay (connect B and C, disconnect A and B)

Press button 2: Turn off the relay (disconnect B and C, connect A and B)

How to pair the transmitter to the receiver:

1) Connect setting terminals until LED on; disconnect setting terminals, the receiver enters into status of LEARNING.

2) Press and hold button 1 on remote control, LED flash once, release button 1; then press and hold button 2 on remote control, LED flash once again; finally, press any one button on remote control. If LED off, it means learning is successful.

3) The receiver can learn 6 buttons with different codes.

Delete all transmitters:

We have learned remote control to the receiver. If you don't want the receiver to work with the remote control, you can delete all codes of remote controls, which are stored in the receiver.

Operation: connect setting terminals until LED on then off; that means all stored codes have been deleted successfully.

Interior Analogue Circuit

