

RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:

1 x Receiver: S2PU-AC380
1 x Transmitter: CG-2
1 x User manual

Feature:

Application: Application: It can be used in industry automation, agriculture automation and home automation, such as factory, house, farm, pasture, vehicle, ship, offshore operation, aerial vehicle, field call, etc. It can remote control equipments on land, water and air, such as remote control lights, sirens, locks, motors, fans, winches, blinds, linear actuators, doors, windows, electric solenoid valves, security alarm, business signs and various devices.

Wireless control, easy to install.

Relay Output: This receiver is relay output, it can be used to operate AC equipments. The terminals are NO / NC (normally open / normally closed), which serves as a switch. That means you should also connect a separate power supply to equipments.

High Power: Each channel can work at maximum current 30A.

You can turn on/ off the receiver with transmitter (remote control) from any place within a reliable distance.

Wireless RF signal can pass through walls, floors, doors or windows.

With reverse power protection and over current protection.

Reliable control: The receiver only works with the transmitter which use same code.

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

You can use two or more units in the same place.

Receiver Parameters:

Model No.: S2PU-AC380
Power Supply (Operating Voltage): AC220V~380V
Output: Relay output (Normally open and normally closed)
Working Frequency: 315MHz / 433MHz
Channel: 2 CH
Control Modes: Toggle, Momentary
Static Current: ≤6mA
Maximum Working Current: 30 A / each channel
PCB size: 94 mm x 56mm x 24 mm
Case size: 100mm x60.5 mm x 30mm

Transmitter Parameters:

Model No.: 0021056 (CG-2)
With Wall Mounted Support
Shell Color: Grey
Channel/Button: 2
Button Symbol: 1, 2
Operating Voltage: 12V (1 x 27A -12V battery, can be used for 12 months)
Operating Current: 8mA
Operating Frequency: 315Mhz / 433Mhz
Encoding Chip: SC2262
Encoding Type: Fixed code by soldering, up to 6561 codes
Transmitting Distance: 500m / 1500ft (theoretically)
Modulation Mode: ASK
Operating Temperature: -20 ° C to +70 ° C
Unit Size: 84mm x 30mm x 10mm
Fixing Bracket size: 87mm x 63mm x 10mm

Matching Transmitters:

The receiver can work with different transmitters, such as model C-2 (100M), CWB-2 (50M, waterproof), CP-2 (500M), CB-2 (1000M) etc.

Working Range:

With a transmitter (such as CG-2) to form a complete set, the maximum working distance can reach 500M in an open ground.

The maximum working distance is a theoretical data, it shall be operated in an open ground, no barriers, no any interference. But in the practice, it will be hindered by trees, walls or other constructions, and will be interfered by other wireless signals. Therefore, the actual distance may not reach this maximum working distance.

Usage (with the transmitter CG-2):

Notice: The receiver is relay output, not DC/AC power output. Initial state of relay output terminals: Terminals NO and COM are Normally Open; Terminals NC and COM are Normally Closed.

Notice: The receiver can control AC 380V equipment by the contactor, but it can't directly connected to the 380V equipment.

Wiring:

If you want to control the AC 380V equipment, you can connect the receiver, the 380V contactor, the 380V equipment and the 380V power according following circuit diagram, then you use the transmitter to control the AC 380V equipment.

Setting different control modes:

1) Setting control mode Toggle: Turn 1 of the dip switch not to ON, 2 to ON.

Press button 1 of the transmitter, the contactor 1 is connected, the 380V equipment 1 works.

Press button 1 again, the contactor 1 is disconnected, the 380V equipment 1 stops working.

Press button 2 of the transmitter, the contactor 2 is connected, the 380V equipment 2 works.

Press button 2 again, the contactor 2 is disconnected, the 380V equipment 2 stops working.

2) Setting control mode Momentary: Turn 1 and 2 of the dip switch not to ON.

Press and hold button 1 of the transmitter, the contactor 1 is connected, the 380V equipment 1 works.

Release button 1, the contactor 1 is disconnected, the 380V equipment 1 stops working.

Press and hold button 2 of the transmitter, the contactor 2 is connected, the 380V equipment 2 works.

Release button 2, the contactor 2 is disconnected, the 380V equipment 2 stops working.

Manual button:

Press button ▲ of the receiver, the contactor 1 is connected, the 380V equipment 1 works.

Press button ■ of the receiver, the contactor 1 is disconnected, the 380V equipment 1 stops working.

Press button ▼ of the receiver, the contactor 2 is connected, the 380V equipment 2 works.

Press button ■ of the receiver, the contactor 2 is disconnected, the 380V equipment 2 stops working.

Learning the button of remote control:

1) Press the learning button of the receiver for 1- 2 seconds, release the button, lights on. The receiver enters into status of LEARNING.

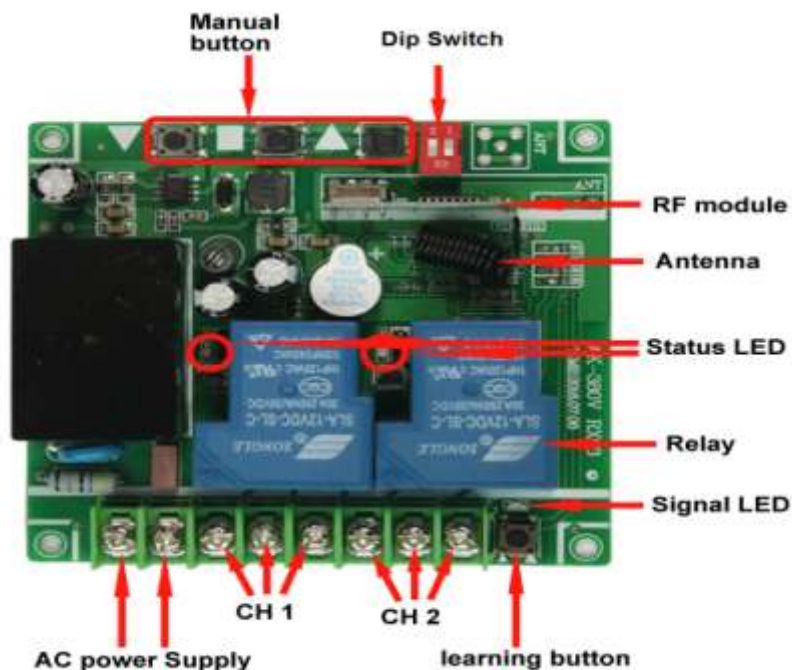
2) Within 4 seconds, press any button on transmitter. If lights flash three times and lights off, it means learning is successful.

3) The receiver can learn several remote controls 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: Pressing learning buttons on the receiver until the signal light from on to flash end to off, release the button. That means all stored codes have been deleted successfully.



Circuit Diagram

