

Feature:

Wireless control, easy to install

Waterproof case

Control motors of rolling blinds / doors, projection screens, awnings, pumps, winches, conveyors or other appliances and mechanicals with voltage AC 110V/120V/220V/240V.

Universal input: support voltage of AC110V (100V~120V), widely used in US, Canada... and voltage of AC220V (200V~240V), used in UK, France...

You can rotate the motor in the positive or reversal direction with the 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

Use an 8-bit microprocessor designed and developed 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 two or more units in the same place, you can set them with different codes.

Receiver Parameters:

Model No.: S1PFC-AC220

Power Supply (Operating Voltage): AC100~240V (110V/120V/220V/240V)

Working Frequency: 315MHz / 433MHz

Channel: 1 CH

Control Modes: Momentary, Latched

Maximum Working Current: 30A

Static Current: ≤6mA

PCB Size: 140mm x 73mm x 18mm

Case Size: 192mm x 100mm x 45mm

Work with Fixed code transmitters.

The receiver can pair different model transmitters, includes model CV-2-2, CV-4-2 (500M), CWB-2, CWB-4 (50M, waterproof) and CB-4 (1000M) etc...

If you want to have a further working range, you can install an external antenna to the receiver, such as magnetic mount antenna (model 0020909), which working range is three times as much as it used to be. Or telescopic antenna (model 0020908), which working range is twice as much as it used to be.

Usage (with the transmitter like CV-2-2 or CV-4-2):

Connect live wire to terminal "L" and neutral wire to terminal "N". Then connect AC motor to terminals "UP", "COMMOM" and "DOWN". You can exchange "UP" and "DOWN" wires of motor to change the rotating direction of motor.

Set Momentary control mode: Do not connect Jumper.

Press and hold button ▲ on remote or receiver: Terminals UP and COMMOM directly output AC110V / AC220V; motor rotates continuously in positive direction.

Release button ▲ on remote or receiver: Stop the motor.

Press and hold button ▼ on remote or receiver: Terminals DOWN and COMMOM directly output AC110V / AC220V; motor rotates continuously in reversal direction.

Release button ▼ on remote or receiver: Stop the motor.

Press button S3 on receiver: motor rotates in positive direction.

Press button S1 on receiver: motor rotates in reversal direction.

Set Latched control mode: connect the Jumper.

Press button ▲ on remote or receiver: Terminals UP and COMMOM directly output AC110V / AC220V; motor rotates continuously in positive direction.

Press ■ on remote or receiver: Stop the motor.

Press button ▼ on remote or receiver: Terminals DOWN and COMMOM directly output AC110V / AC220V; motor rotates continuously in reversal direction.

Press button ■ on remote or receiver: Stop the motor.

Press button S3 on receiver: motor rotates in positive direction.

Press button S1 on receiver: motor rotates in reversal direction.

Press button S2 on receiver: motor stops.

The limit switch:

You can connect a limit switch to the receiver to stop the motor when the limit is tripped. Or you can also connect a manual switch or a sensor to stop the motor.

When the motor rotates forward, if connect two limit terminals 2 and 3, the motor will stop automatically.

When the motor rotates reversal, if connect two limit terminals 1 and 3, the motor will stop automatically.

How to pair the transmitter to the receiver:

1) Press the button of receiver; signal LED on the receiver keeps shining. The receiver enters into status of LEARNING.

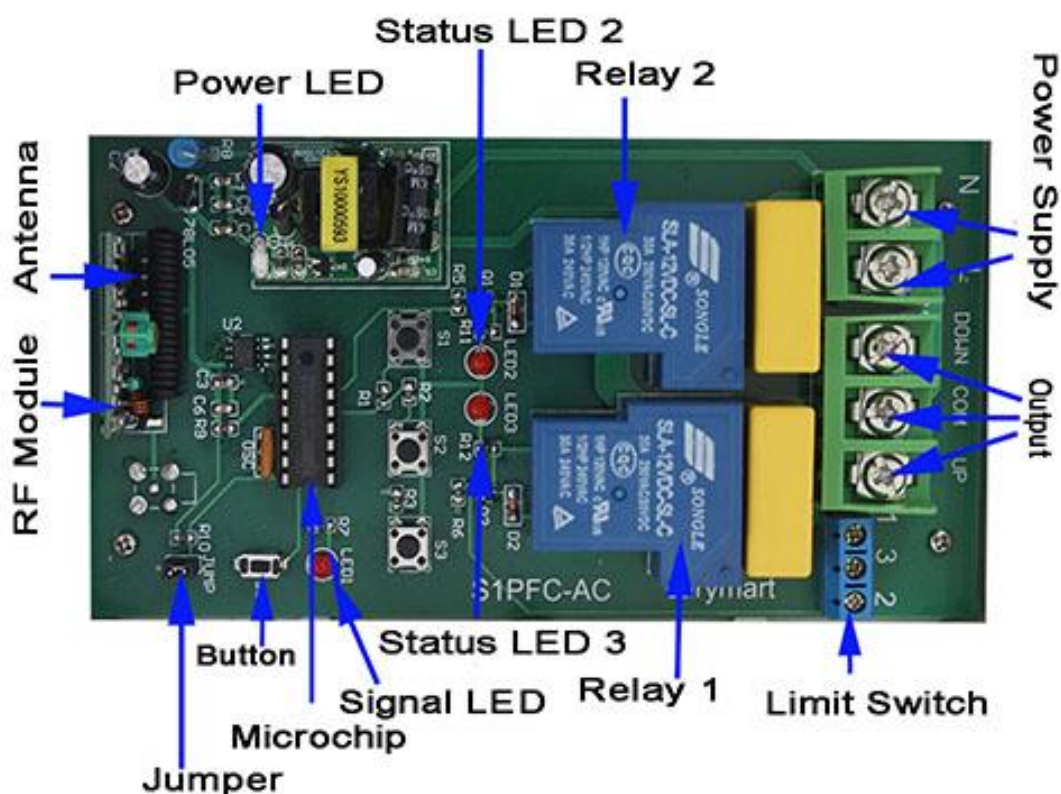
2) Press any one button on remote control. If signal LED flashes quickly 15 times and turns off, it means learning is successful.

- 3) When receiver is in the status of LEARNING, press again the button of receiver, signal LED turns off, learning process will be discontinued.
- 4) The receiver can learn several remote controls with different codes.

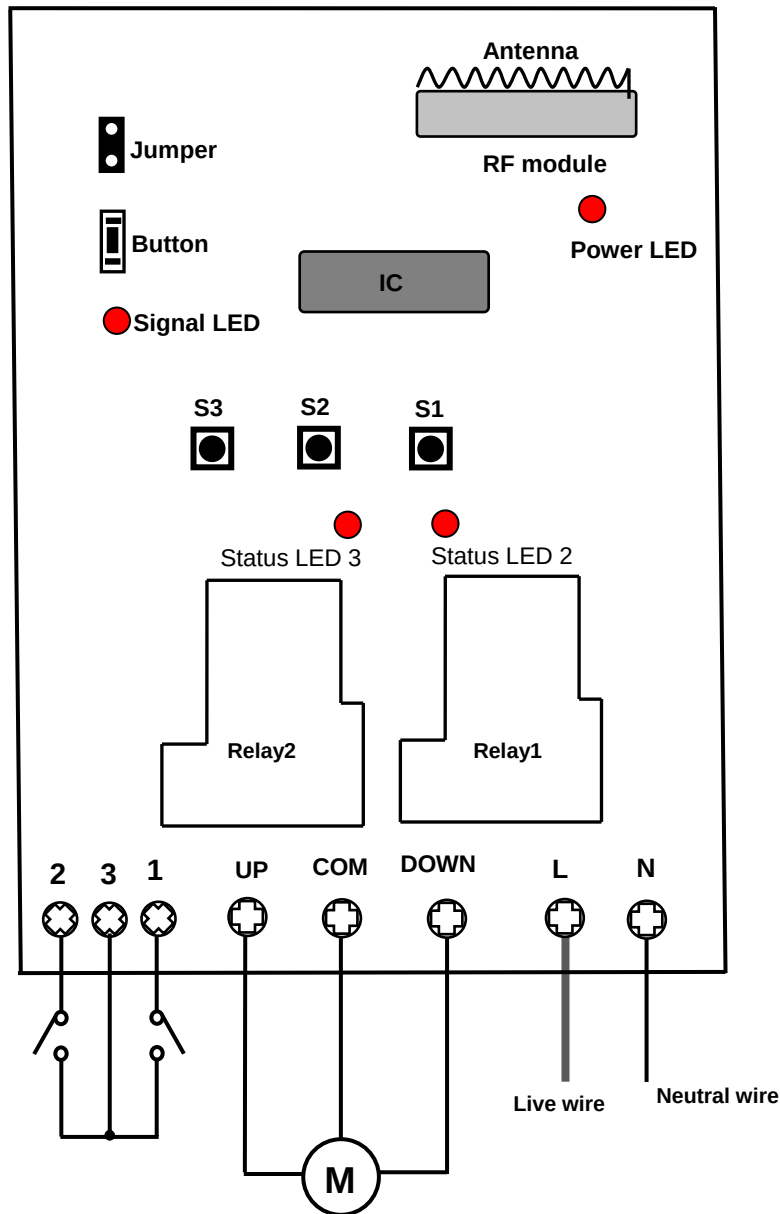
Delete all transmitters:

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: Press and hold the button of receiver until signal LED flashes slowly; release the button, LED keeps slow flash. That means all stored codes have been deleted successfully.



Application Circuit



Product Description:

Model No.: 0021051 (CV-4-2)

Shell Color: White

Channel/Button: 4

Button Symbol: ▲, ▼, Two■

Operating Voltage: 12V (1 x 23A -12V battery, can be used for 12 months)

Operating Current: 15mA

Operating Frequency: 315Mhz / 433Mhz

Encoding Chip: LX2260A-R4

Encoding Type: Fixed code by soldering, up to 6561 codes

Transmitting Distance: 500m / 1500ft (theoretically)

The distance of 500m 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 exposed to some interference by other signals. Therefore, the actual distance may or may not reach 500m.

If you stretches the telescopic antenna, it can have a further working range, which is twice as much as it used to be.

Modulation Mode: ASK

Operating Temperature: -20 ° C to +70 ° C

SHENZHEN GUIYUAN INDUSTRY DEVELOPMENT CO.,LTD

Http://www.carymart.com E-Mail: sale@carymart.com

Unit Size: 110mm x 50mm x 18mm

Weight: 55g

Uses: garage doors, motorcycles, car alarm products, home security products, wireless remote control products, industrial control products.

How to set up the 8-bits code of the transmitter:

1. Open the transmitter shell, then you will see the circuit board. There are two rows pads and one row of chip feet on the back side.
2. The left row of pads is "L" side, and the right row of pads is "H" side.
3. If solder the middle row of chip feet to the "L" side, it is code 1. If solder the middle row of chip feet to the "H" side, it is code 2. Don't solder to any side, it is code 0.
4. The 8-bits code order is from top to bottom (from D1 to D8).
5. Here is an example, the 8-bits code in the picture is 10021000, solder as the following way:
6. Code 0: don't solder any side, like D2, D3, D6, D7, D8
7. Code 1: solder to the "L" side, like D1 and D5.
8. Code 2: solder to the "H" side, like D4.

