

RF Wireless Receiver (Model 0020682)

Features:

Wireless control, easy to install

Waterproof case with waterproof connectors.

Control AC 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 2 motors separately 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 the external telescopic antenna, it can have a further working range.

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 receivers in the same place, you can set them with different codes.

Receiver:

Model No.: S2PF-AC220-ANT3

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

Transmitting Frequency: 315MHz / 433MHz

Channel: 2 CH

Control Mode: Momentary, Latched

Static Current: ≤6mA

Rated Current: 15A

The Maximum Instantaneous Current of Starting Motor: 30A

Work with Fixed code transmitters or Learning code transmitters.

Coding Setting: By learning

PCB Size: 170mm x 109mm x 18mm

Case Size: 200mm x 120mm x 53mm

Transmitters:

The receiver can pair different model transmitters, includes model CV-6-2, CV-4-2 (500M), CWB-4 (50M, waterproof), CB-6 and CB-4 (1000M) etc...

External telescopic antenna:

Length of external telescopic antenna: 108mm / 445mm (stretch)

External telescopic antenna use SMA connector.

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

Weight of external telescopic antenna: 16.5g

The working range:

With a transmitter (such as CV-6-2) to form a complete set, the distance can reach 500m. 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 want to have a further working range, you can install a magnetic sucker antenna (model 0020910).

Usage:

Connect live wire to terminal "L" and neutral wire to terminal "N". Then connect motor 1 to terminals "UP1", "COMMOM1" and "DOWN1", connect motor 2 to terminals "UP2", "COMMOM2" and "DOWN2". You can exchange "UP" and "DOWN" wires of motor to change the rotating direction of motor.

Setting control mode Momentary (**working with the transmitter like CV-4-3**): Only connect Jumper-1 (CN1)

Press and hold button ▲ on the left: motor 1 rotates in positive direction

Release button ▲ on the left: motor 1 stops

Press and hold button ▼ on the left: motor 1 rotates in reversal direction

Release button ▼ on the left: motor 1 stops

Press and hold button ▲ on the right: motor 2 rotates in positive direction

Release button ▲ on the right: motor 2 stops

Press and hold button ▼ on the right: motor 2 rotates in reversal direction

Release button ▼ on the right: motor 2 stops

Setting control mode Latched (**working with the transmitter like CV-6-2**): Do not connect Jumper-1 (CN1) and Jumper-2 (CN2)

Press button ▲ on the left: motor 1 rotates in positive direction

Press button ▼ on the left: motor 1 rotates in reversal direction

Press button ■ on the left: motor 1 stops

Press button ▲ on the right: motor 2 rotates in positive direction

Press button ▼ on the right: motor 2 rotates in reversal direction

Press button ■ on the right: motor 2 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 motor 1 rotates forward, if connect two limit terminals COM and 1, relay 1 stop working, the motor will stop automatically.

When motor 1 rotates reversal, if connect two limit terminals COM and 2, relay 2 stop working, the motor will stop automatically.

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

When motor 2 rotates reversal, if connect two limit terminals COM and 4, relay 4 stop working, the motor will stop automatically.

Input control terminals:

The receiver has four input control terminals, you can connect external devices, sensors, or manual switches to these terminals to control the outputs of receiver.

1) Signal input:

You can connect external devices (with low level output signal) to terminals "COM", "Signal 1", "Signal 2", "Signal 3", "Signal 4", the external device's output signal can control receiver's four outputs.

When the external device outputs low level signal to terminal "COM" and "Signal 1", Relay1 works, the motor 1 rotates forward.

When the external device outputs low level signal to terminal "COM" and "Signal 2", Relay2 works, the motor 1 rotates reversal

When the external device outputs low level signal to terminal "COM" and "Signal 3", Relay3 works, the motor 2 rotates forward.

When the external device outputs low level signal to terminal "COM" and "Signal 4", Relay4 works, the motor 2 rotates reversal

2) The manual switches:

You can connect four manual switches to terminals "COM", "Signal 1", "Signal 2", "Signal 3", "Signal 4", then you can use these manual switches to control the outputs of receiver.

When connect terminals "Signal 1" and "Com", Relay1 works. And when disconnect "Signal 1" and "Com", Relay1 stops outputting, the motor 1 will stop automatically.

When connect terminals "Signal 2" and "Com", Relay2 works. And when disconnect "Signal 2" and "Com", Relay2 stops outputting, the motor 1 will stop automatically.

When connect terminals "Signal 3" and "Com", Relay3 works. And when disconnect "Signal 3" and "Com", Relay3 stops outputting, the motor 2 will stop automatically.

When connect terminals "Signal 4" and "Com", Relay4 works. And when disconnect "Signal 4" and "Com", Relay4 stops outputting, the motor 2 will stop automatically.

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.

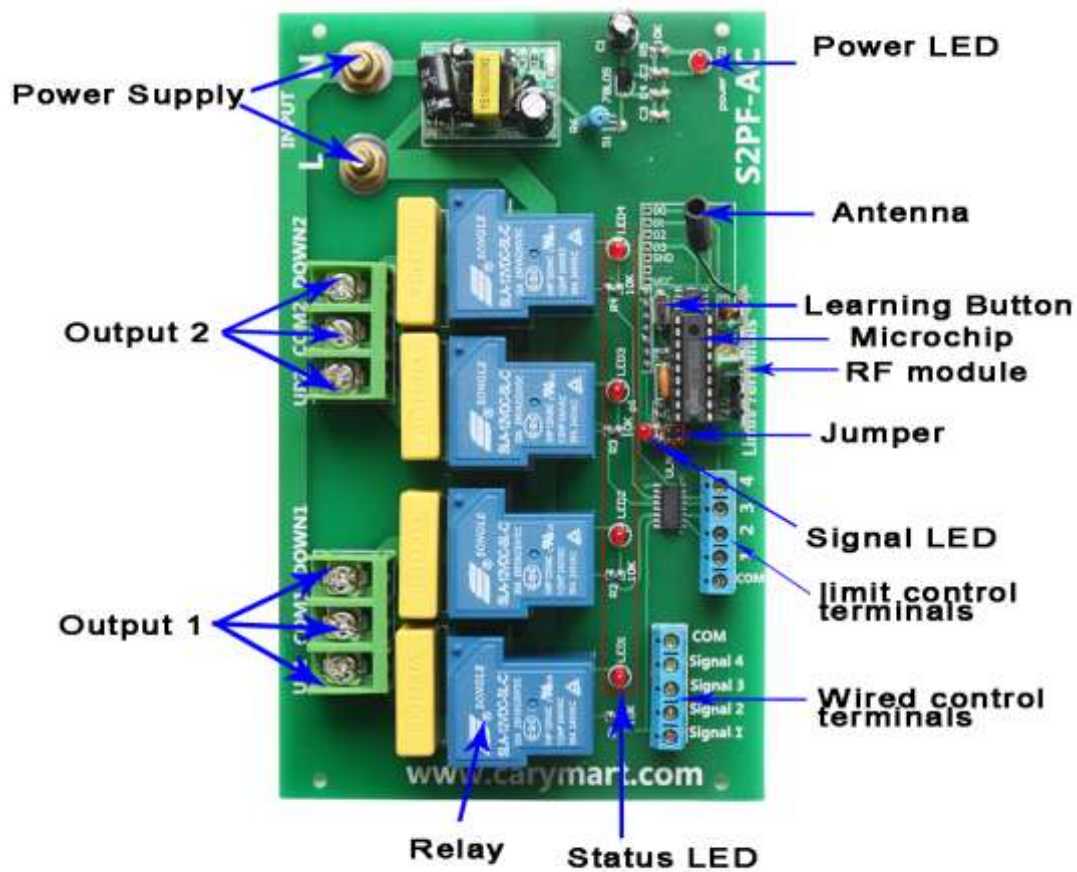
How to pair the transmitter to the receiver:

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.

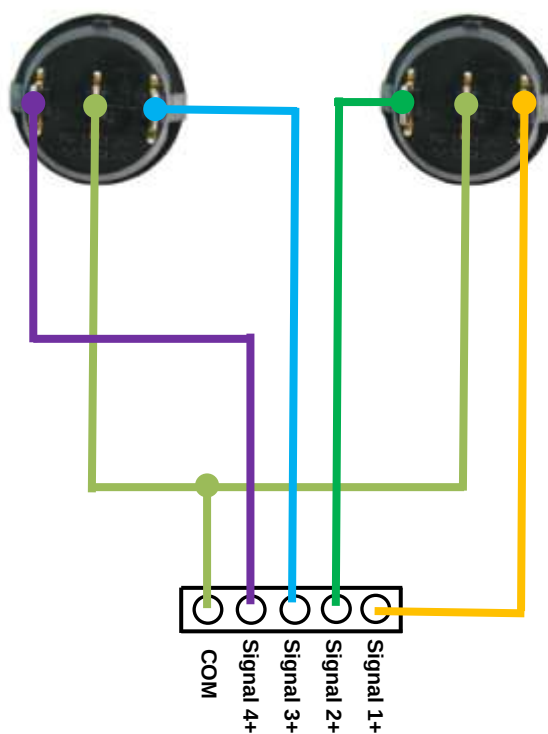
4) The receiver can learn several remote controls with different codes.



Connect Manual Switch

3 Position Round manual switch 2

3 Position Round manual switch 1



Control AC Motor

