

RF Wireless Receiver (Model 0020502 S2PFS-DC12)

Features:

Application: It can be used in rolling blinds, rolling doors, projection screens, awnings, pumps, winches, conveyors or other appliances and equipments with DC motors, it can remote control DC motor rotates in the positive or reversal direction.

Wireless control, easy to install.

You can rotate two motors separately in the positive or reversal direction with the transmitter (remote control) from any place within a reliable distance.

The RF wireless signal can pass through walls, floors and doors.

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.: S2PFS-DC12 / S2PFS-DC24

Control Mode: Latched and Momentary

Power Supply (Operating Voltage): DC12V±1V (S2PFS-DC12), DC24V±1V (S2PFS-DC24)

Output of Relay: DC12V (S2PFS-DC12), DC24V (S2PFS-DC24)

Working Frequency: 315MHz / 433MHz

Channel: 2 CH, can work with 2 DC motors

Static Current: ≤6mA

Maximum Working Current: 30A / each channel,

PCB size: 185mm x 105mm x 30mm

Case size: 200mm x 120mm x 55mm

Work with Fixed code transmitters

Matching Transmitters:

This receiver can work with different transmitters. Such as model CP-6 (500M), CV-6-2 (500M), or CB-6 (1000M) etc.

Working Range:

With a transmitter (such as CV-6-2) 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.

If you want to have a further working range, you can install an external antenna to the receiver, and you also can use a powerful transmitter, such as CB series transmitters.

Usage:

Connect the positive pole of DC power supply to terminal “+” of INPUT, and connect the negative pole of DC power supply to terminal “-” of INPUT.

Connect terminals “A1” and “B1” to motor 1, connect terminals “A2” and “B2” to motor 2. You can exchange motor's two wires to change the rotating direction of motor.

Setting control mode Latched: Do not connect Jumper-1 (CN1) or 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

Setting control mode Momentary: 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

Speed of motor can be adjusted by the knobs:

Twist the knobs anti-clockwise, the speed will be faster.

Twist the knobs clockwise, the speed will be slower.

Knob 1 controls motor 1; Knob 2 controls motor 2.

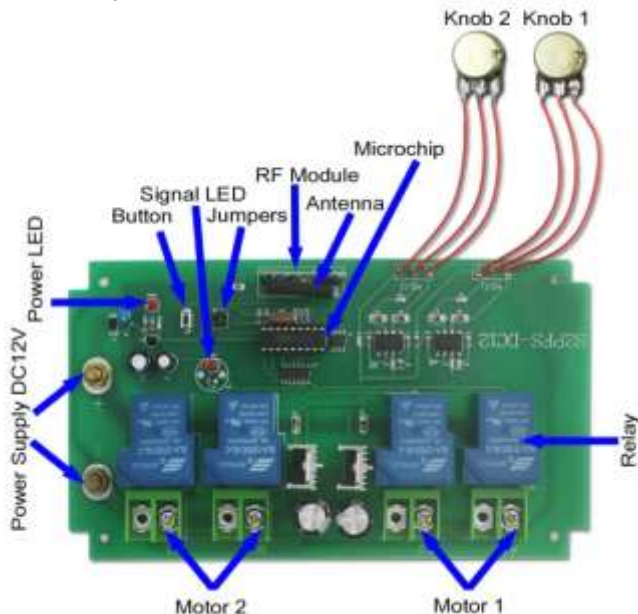
How to pair the transmitter to the receiver:

- 1) Press the learning button of receiver for 1- 2 seconds; signal LED on the receiver is on. The receiver enters into status of LEARNING.
- 2) Press any one button on transmitter. 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.



Control DC Motor/ Linear Actuator

