

RF Wireless Remote Control Kit (Model 0020693 S1PFW-DC12-ANT3+1CC-4)

Package Include:

1 x Receiver: S1PFW-DC06-ANT3 / S1PFW-DC09 –ANT3/ S1PFW-DC12-ANT3 / S1PFW-DC24-ANT3 (Inversion Control Mode)
1 x Transmitter: CC-4
1 x User manual

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.

Waterproof: The receiver has waterproof case and waterproof connector, it can be installed outdoors.

You can rotate a motor 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.

With limit control terminals: You can connect limit switches or sensors to stop the motor.

With wired control terminals: You can connect manual switches or external devices (with low level output signal, such as sensors) to control the motor.

With the external antenna, it can have a further working range.

Design with low-power and high-speed CMOS technology.

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.

Feedback function:

Can let the user know whether he/she had already connect the transmitter and receiver successfully in such a long distance.

Two-way working mode: When you press the remote control to send RF signal to the receiver, if the receiver has been successfully triggered or operated, the receiver will immediately transmit a RF feedback signal to the remote control. Then the remote control will send out a buzzing sound to inform you that the receiver has been successfully operated.

Receiver:

Model No: S1PFW-DC06-ANT3 / S1PFW-DC09-ANT3 / S1PFW-DC12-ANT3 / S1PFW-DC24-ANT3

Control Mode: Latched or Momentary

Coding Type: learning code

Coding Setting: By learning

Power Supply (Operating Voltage): DC6V (S1PFW-DC06-ANT3), DC9V±1V (S1PFW-DC09-ANT3), DC12V±1V (S1PFW-DC12-ANT3), DC24V±1V (S1PFW-DC24-ANT3)

Output: DC6V (S1PFW-DC06-ANT3), DC9V±1V (S1PFW-DC09-ANT3), DC12V (S1PFW-DC12-ANT3), DC24V (S1PFW-DC24-ANT3)

Working Frequency: 433.92MHz

Channel: 1 CH, can work with 1 DC motor

Static Current: ≤6mA

Maximum Working Current: 30A / each channel, so motor's maximum starting current can not exceed 30A.

PCB Size: 90mm x 59mm x 18mm

Case Size: 100mm x 68mm x 50mm

Transmitter:

Model No.: CC-4

Channel: 4 CH

Remote Control Distance: 5000m (theoretically)

Encode: Custom Code

Unit Size: 135mm x 42mm x 25mm

Power Supply: 1 x 6F22 -9V battery (included, can be used for 12 months)

Matching Transmitters:

This receiver can work with different transmitters. When you set the receiver in momentary mode, it should work with two button transmitters, such as model CC-2 (5000M), CCW-2 (5000M, waterproof). When you set the receiver in latched mode, it should work with three/four button transmitters, such as model CC-3 (5000M), CC-4 (500M), CCW-3 (5000M, waterproof) CCW-4 (5000M, waterproof), etc.

Working Range:

With a transmitter (such as CC-4) to form a complete set, the working distance can reach 5000M in an open ground. The maximum working distance 5000M 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 or may not reach 5000M.

External Telescopic Antenna:

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

With SMA connector.

If you stretches the external telescopic antenna, it can have a further working range.

Usage (with transmitter CC-4):

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 output terminals to motor. You can exchange motor's two wires to change the rotating direction of motor.

Setting control mode Latched: Turn on the second bit of the dip switch.

Press button A: motor rotates in positive direction

Press button C: motor stops

Press button B: motor rotates in reversal direction

Press button D: motor stops

Setting control mode Momentary (with transmitter CC-2): Turn on the first and the second bits of the dip switch.

Press and hold the big button: motor rotates in positive direction

Release the big button: motor stops

Press and hold the small button : motor rotates in reversal direction

Release the small button: motor stops

Limit control terminals:

You can connect limit switches (normally open type) to terminals S1 and S2, and terminals S1 and S2 are normally open..

When motor rotates forward, if connect two terminals of S1, the motor will stop automatically.

When motor rotates reversal, if connect two terminals of S2, the motor will stop automatically.

Manual control terminals:

The receiver has manual control terminals, you can connect external devices, or sensors to control the receiver.

1) Signal input:

You can connect external devices (with low level output signal) to terminals 1 (signal +) and 2 (signal -), the external device's output signal can control the receiver.

When the external device outputs low level signal to terminal 1 (signal +) and 2 (signal -), motor rotates in positive direction.

When the external device does not output signal to terminal 1 (signal +) and 2 (signal -), motor stops.

You can connect external devices (with low level output signal) to terminals 3 (signal -) and 4 (signal +), the external device's output signal can control the receiver.

When the external device outputs low level signal to terminal 3 (signal -) and 4 (signal +), motor rotates in reversal direction..

When the external device does not output signal to terminal 3 (signal -) and 4 (signal +), motor stops.

2) The manual switches:

You can connect one manual switch to terminals 1 and 2,3 and 4, and then you can use this manual switch to control the receiver.

When connect terminals 1 and 2, motor rotates in positive direction

And when disconnect terminals 1 and 2, motor stops

When connect terminals 3 and 4, motor rotates in reversal direction

And when disconnect terminals 3 and 4, motor stops

Setting feedback function:

If you want to have a feedback function: Turn on the third bit of the dip switch.

When the receiver gets the signal of transmitter, it will immediately send a return signal to the transmitter. When the transmitter receive the feedback signal of the receiver, the transmitter will exude a buzzing sound like “D-” which means it receive the feedback signal successfully.

How to pair the transmitter to the receiver:

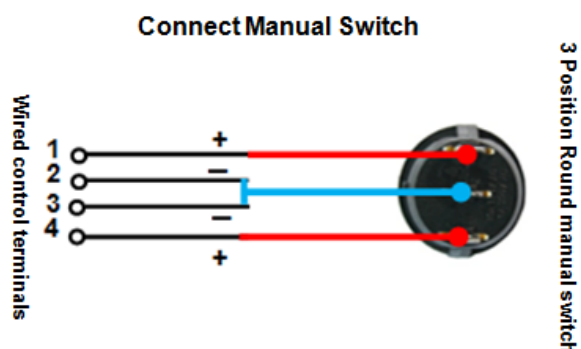
1) Press button K1 of receiver for 1- 2 seconds; signal LED on the receiver is on. The receiver enters into status of LEARNING.

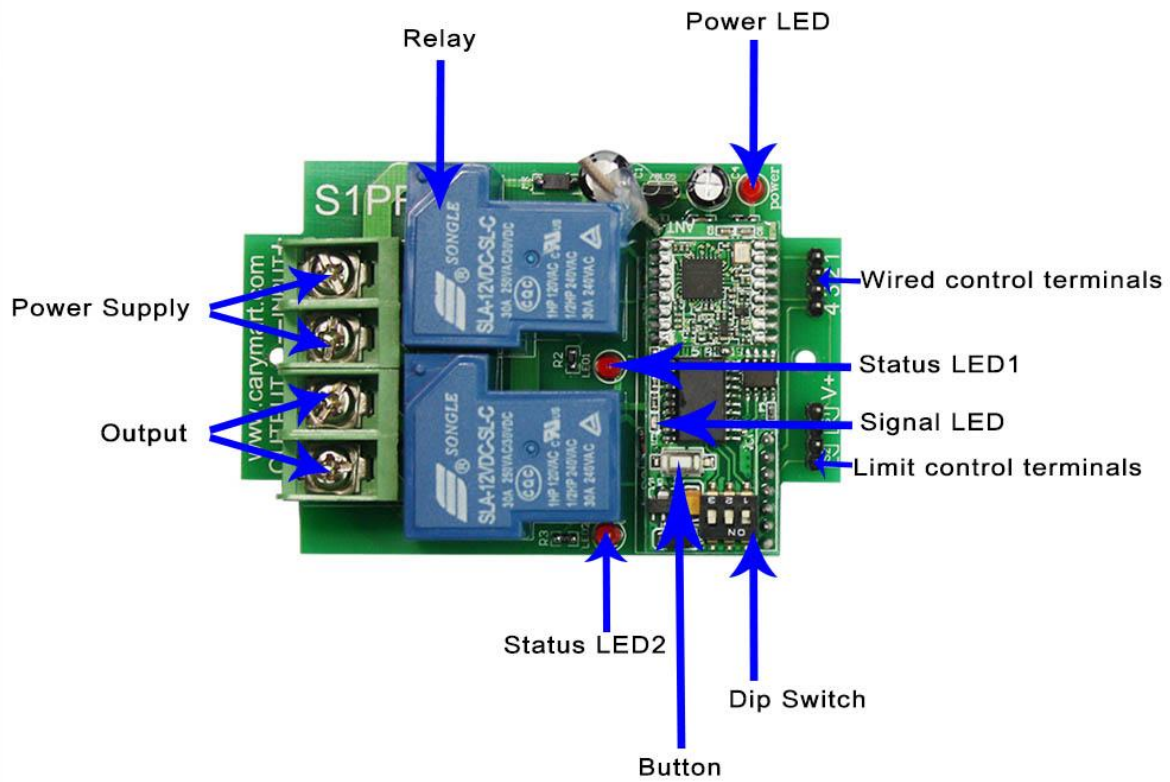
2) Press any one button on remote control. If signal LED flashes twice, it means learning is successful.

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 three times. That means all stored codes have been deleted successfully.





Control DC Motor

