

RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:

1 x Receiver: S1FM-DC06 / S1FM-DC09 / S1FM-DC12 / S1FM-DC24 (Inversion Control Mode)
1 x Transmitter: CV-2-2
1 x User manual

Feature:

Wireless control, easy to install

Control motors of rolling blinds / doors, projection screens, awnings, pumps, winches or other home appliances and small industrial equipments. 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 signal can pass through walls, floors and doors.

With characteristics of reverse power protection and over current protection

Audible / visual indication

Use microcontroller model of EM78P156, an 8-bit microprocessor designed and developed with low-power and high-speed CMOS technology.

Use ULN2003 to drive relay, with strong anti-interference.

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.

Transmitting Frequency: 315MHz / 433MHz

Receiver:

Model No: S1FM-DC06 / S1FM-DC09 / S1FM-DC12 / S1FM-DC24

Control Mode: Inversion (Press and hold button ▲ -> Positive rotation; Press and hold button ▼ -> Reversal rotation)

Coding Type: Fixed code

Coding Setting: By learning

Power Supply (Operating Voltage): DC6V (S1FM-DC06), DC9V±1V (S1FM-DC09), DC12V±1V (S1FM-DC12), DC24V±1V (S1FM-DC24)

PCB Size: 94mm x 56mm x 24mm

Case Size: 100mm x 60.5mm x 30mm

Maximum Current: 10A

Transmitter:

Model No.: CV-2-2

Channel: 2 CH

Remote Control Distance: 500m / 1500ft (theoretically)

Encode: Fixed code by soldering

Unit Size: 108mm x 50mm x 18mm

Power Supply: 1 x 23A -12V battery (included, can be used for 12 months)

Usage:

Connect power line to terminals “+” and “—”. Connect DC motor to terminals “UP” and “DOWN”. You can exchange “UP” and “DOWN” lines of the motor to change rotating direction of the motor.

Press and hold button ▲ on remote or receiver: Terminals UP and DOWN output + DC (UP: +, DOWN: —), motor rotates continuously in positive direction.

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

Press and hold button ▼ on remote or receiver: Terminals UP and DOWN output — DC (UP: —, DOWN: +), motor rotates continuously in reversal direction.

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

Note: Button ■ on receiver is useless.

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.

Learning the button of remote control:

- 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.

Application Circuit

