

RF Wireless Remote Control DC Motor Controller / Transmitter & Receiver

This is the DC motor controller. The DC motor controller can remote control one DC motor (DC6V/9V/12V/24V) rotates in positive/ reversal direction. You can connect two restrictive switches to receiver and use them to stop motor rotation.

Package Include:

1 x Receiver: S1F2-DC06 / S1F2-DC09 / S1F2-DC12 / S1F2-DC24
2 x Transmitter: CWC-3
1 x User manual

Features:

Wireless control, easy to install

Control DC motors of rolling blinds / doors, projection screens, awnings, pumps, winches, conveyors or other appliances and mechanicals with voltage DC6V / 9V / 12V / 24V.

You can rotate the motor in 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.

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: S1F2-DC06 / S1F2-DC09 / S1F2-DC12 / S1F2-DC24

Coding Type: Fixed code or learning code

Coding Setting: By learning

Power Supply (Operating Voltage): DC6V (S1F2-DC06), DC9V±1V (S1F2-DC09), DC12V±1V (S1F2-DC12), DC24V±1V (S1F2-DC24)

Output: DC6V (S1F2-DC06), DC9V±1V (S1F2-DC09), DC12V±1V (S1F2-DC12), DC24V±1V (S1F2-DC24)

Case Size: 74mm x 54mm x 28mm

Quiescent Current: 5mA

Rated Current: 5A

The Maximum Instantaneous Current of Starting Motor: 10A

Transmitter:

Model No.: 0021102(CWC-3)

Channel: 3 CH

Waterproof

Remote Control Distance: 50m / 300ft (theoretically)

Encode: Fixed code by soldering

Unit Size: 58mm x 30mm x 12mm

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

Usage:

Power supply:

Connect power supply DC6V / 9V / 12V / 24V to terminal "INPUT"; connect motor to terminal "OUTPUT". You can exchange the output wires of motor to change the rotating direction of motor.

Setting control mode Latched: Connect Jumper S1

Function of transmitter:

Press button ▲ on remote: terminal "Output" output DC power, motor rotates in positive direction.

Press button ▼ on remote: terminal "Output" output DC power, motor rotates in reversal direction.

Press button ● on remote: motor stops.

Function of manual buttons in receiver:

Press button K3 in receiver: terminal "Output" output DC power, motor rotates in positive direction.

Press button K1 in receiver: terminal "Output" output DC power, motor rotates in reversal direction.

Press button K2 in receiver: motor stops.

Setting control mode Momentary: Connect Jumper S2

Function of transmitter:

Press and hold button ▲ on remote: terminal "Output" output DC power, motor rotates in positive direction. Release button: motor stops.

Press and hold button ▼ on remote: terminal "Output" output DC power, motor rotates in reversal direction. Release button: motor stops.

Function of manual buttons in receiver:

Press and hold button K3 in receiver: terminal "Output" output DC power, motor rotates in positive direction. Release button: motor stops.

Press and hold button K1 in receiver: terminal "Output" output DC power, motor rotates in reversal direction. Release button: motor stops.

Restrictive function:

You can connect two restrictive switches to terminals "X1" and "X2", if the restrictive switch X1 or X2 is connected, the motor will work normally; if the restrictive switch X1 or X2 is disconnected, the motor will stop automatically. That means when the restrictive switch "X1" is connected, the motor will work in reversal direction; when the restrictive switch "X1" is disconnected, motor will stop automatically. When the restrictive switch "X2" is connected, the motor will work in positive direction; when the restrictive switch "X2" is disconnected, motor will stop automatically.

When you don't want to use the restrictive switches, you need to connect the terminals "X1" and "X2" by two wires.

Learning the button of transmitter:

- 1) Press and hold "K3" button of receiver; when signal LED on the receiver is on, release "K3" button. Press ▲ button of transmitter within 5 seconds, if the signal LED off, that means learning is successful.
- 2) Press and hold "K1" button of receiver; when signal LED on the receiver is on, release "K1" button. Press ▼ button of transmitter within 5 seconds, if the signal LED off, that means learning is successful.
- 3) Press and hold "K2" button of receiver; when signal LED on the receiver is on, release "K2" button. Press ● button of transmitter within 5 seconds, if the signal LED off, that means learning is successful.

Delete the button of transmitter:

We have learned transmitter to the receiver. If you don't want the receiver to work with transmitter, you can delete all codes of transmitter which are stored in the receiver. You can operate as following:

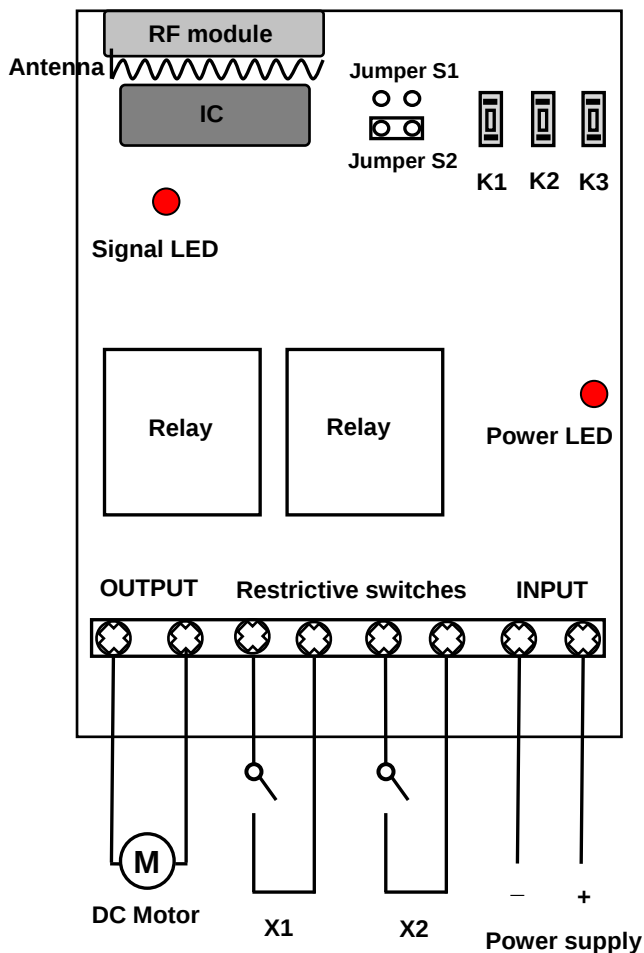
Press and hold "K3" button of receiver more 3 seconds; when signal LED on the receiver begin to flicker, then off, that means deleting is successful.

Press and hold "K1" button of receiver more 3 seconds; when signal LED on the receiver begin to flicker, then off, that means deleting is successful.

Press and hold "K2" button of receiver more 3 seconds; when signal LED on the receiver begin to flicker, then off, that means deleting is successful.

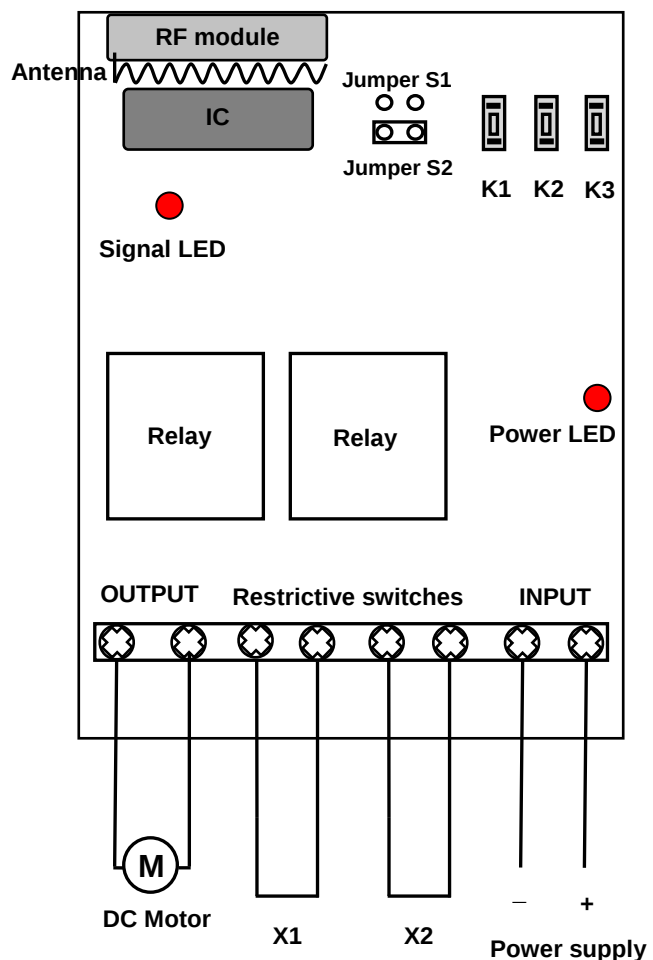
Note: Before you change from motor rotates in positive direction to reversal direction or from motor rotates in reversal direction to positive direction, you should stop rotating of motor firstly, then remote control motor.

Application Circuit



When you use the restrictive switches

Application Circuit



When you don't use the restrictive switches