RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:
1 x Receiver: S1PF-DC12 / S1PF-DC24 (Inversion Control Mode)
1 x Transmitter: CV-2-2
1 x User manual

Features:
Wireless control, easy to install
With high power of 30A
Control DC motors of rolling blinds / doors, projection screens, awnings, pumps, winches, conveyors or other appliances and mechanicals with voltage DC12V / 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.
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.: S1PF-DC12 / S1PF-DC24
Control Mode: Inversion control mode
Coding Type: Fixed code or learning code
Coding Setting: By learning
Power Supply (Operating Voltage): DC12V±1V (S1PF-DC12), DC24V±1V (S1PF-DC24)
Output: DC12V (S1PF-DC12), DC24V (S1PF-DC24)
PCB Size: 94mm x 73mm x 25mm
Case Size: 100mm x 80mm x 30mm
Maximum Working Current: 30A / each channel

Transmitter:
Model No.: CV-2-2
Channel: 2 CH
Remote Control Distance: 500m / 1500ft (theoretically)
Encode: Fixed code by soldering
Unit Size: 110mm x 50mm x 18mm
Power Supply: 1 x 23A -12V battery (included, can be used for 12 months)

Usage:
Connect power supply DC12V / 24V to terminal “INPUT”; connect motor to terminal “OUTPUT”.

Control mode Momentary: Only connect Jumper-1 (CN1)
Press and hold button ▲: motor rotates in positive direction. Release button: motor stops
Press and hold button ▼: motor rotates in reversal direction. Release button: motor stops

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