RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:
1 x Receiver: S2PX-DC12 / S2PX-DC24 (2 Channel / Four Control Mode)
2 x Transmitter: C-2
1 x User manual

Feature:
Wireless control, easy to install
With high power of 30A
Direct dc power output; control Lights, Motors, Fans, electrically operated Doors / Locks / Windows / Blinds / Cars or Other Appliances.
You can turn on/off the receiver with transmitter (remote control) from any place within a reliable distance; the wireless RF 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.
One/several transmitters can control one/several receivers simultaneously.
Two or more transmitter & receivers set can be used in the same place.
Transmitting Frequency: 315MHz / 433MHz

Receiver:
Model No.: S2PX-DC12 / S2PX-DC24
Channel: 2 CH
Control Modes: Toggle, Momentary, Latched, Momentary + Toggle
Coding Type: Fixed code or learning code
Coding Setting: By learning
Power Supply (Operating Voltage): DC12V±1V (S2PX-DC12), DC24V±1V (S2PX-DC24)
Output: DC12V (S2PX-DC12), DC24V (S2PX-DC24)
PCB Size: 137mm x 80mm x 25mm
Case Size: 150mm x 90mm x 45mm
Static Current: ≤6mA
Maximum Working Current: 30A / each channel

Transmitter:
Model No.: C-2
Channel: 2 CH
Remote Control Distance: 100m / 300ft (theoretically)
Encode: Fixed code by Soldering
Unit size: 58mm x 39mm x 16mm
Power Supply: 1 x 23A -12V battery (included, can be used for 12 months)

Usage:
Setting different control modes (We have set the receiver as Toggle control mode before delivery. If you want to use other control modes, do as following):
1) Setting control mode Toggle: Only connect Jumper-2.
Press button 1: Turn on the relay 1, terminal OUTPUT 1 outputs DC power.
Press button 1 again: Turn off the relay 1, terminal OUTPUT 1 no output.
Press button 2: Turn on the relay 2, terminal OUTPUT 2 outputs DC power.
Press button 2 again: Turn off the relay 2, terminal OUTPUT 2 no output.

2) Setting control mode Momentary: Only connect Jumper-1.
Press and hold button 1: Turn on the relay 1, terminal OUTPUT 1 outputs DC power.
Release button 1: Turn off the relay 1, terminal OUTPUT 1 no output.
Press and hold button 2: Turn on the relay 2, terminal OUTPUT 2 outputs DC power.
Release button 2: Turn off the relay 2, terminal OUTPUT 2 no output.

3) Setting control mode Latched: Do not connect Jumper-1 and Jumper-2.
Press button 1: Turn on the relay 1, terminal OUTPUT 1 outputs DC power.
          Turn off the relay 2, terminal OUTPUT 2 no output.
Press button 2: Turn on the relay 2, terminal OUTPUT 2 outputs DC power.
          Turn off the relay 1, terminal OUTPUT 1 no output.

4) Setting control mode Momentary + Toggle: Connect Jumper-1 and Jumper-2.
Control mode Momentary (Channel 1):
Press and hold button 1: Turn on the relay 1, terminal OUTPUT 1 outputs DC power.
Release button 1: Turn off the relay 1, terminal OUTPUT 1 no output.
Control mode Toggle (Channel 2):

Press button 2: Turn on the relay 2, terminal OUTPUT 2 outputs DC power.
Press button 2 again: Turn off the relay 2, terminal OUTPUT 2 no output.

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