

RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:

1 x Receiver: S1U-DC06 / S1U-DC09 / S1U-DC12 / S1U-DC24 (1 Channel / Three Control Modes)
2 x Transmitter: C-2L
1 x User manual

Feature:

Wireless control, easy to install

Control Lights, Motors, Fans, electrically operated Doors/Locks/Windows/Blinds/Cars or Other Appliances with voltage AC110~240V or DC0~28V.

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.

More reliable than fixed code; the transmitter use EV1527 Learning code, which is up to 1 million codes, reducing code collision and unauthorized code scanning possibilities.

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.: S1U-DC06 / S1U-DC09 / S1U-DC12 / S1U-DC24

Channel: 1 CH

Control Modes: Toggle, Momentary, Latched

Coding Type: Fixed code or Learning code

Coding Setting: By learning

Power Supply (Operating Voltage): DC6V (S1U-DC06), DC12V±1V (S1U-DC12), DC9V±1V (S1U-DC09), DC24V±1V (S1U-DC24)

Working Voltage Range of Relay: AC110~240V or DC0~28V

PCB size: 67mm x 50mm x 18mm

Case size: 75mm x 54mm x 27mm

Static Current: ≤6mA

Maximum Working Current: 10A

Transmitter:

Model No.: C-2L

Channel: 2 CH

Remote Control Distance: 100m / 300ft (theoretically)

Encode: EV1527 Learning code (up to 1 million codes, reducing code collision and unauthorized code scanning possibilities.)

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 operation):

Setting control mode Toggle: Connect Jumper-2.

Control mode Toggle: Press -> On; Press again -> Off.

Press button 1: Turn on the relay (connect B and C, disconnect A and B)

Press button 1 again: Turn off the relay (disconnect B and C, connect A and B)

Setting control mode Momentary: Connect Jumper-1.

Control mode Momentary: Press and hold -> On; Release -> Off.

Press and hold button 1: Turn on the relay (connect B and C, disconnect A and B)

Release button 1: Turn off the relay (disconnect B and C, connect A and B)

Setting control mode Latched: Disconnect Jumper-1 and Jumper-2.

Control mode Latched: Press -> On, other relays Off; Press another button -> Off.

Press button 1: Turn on the relay (connect B and C, disconnect A and B)

Press button 2: Turn off the relay (disconnect B and C, connect A and B)

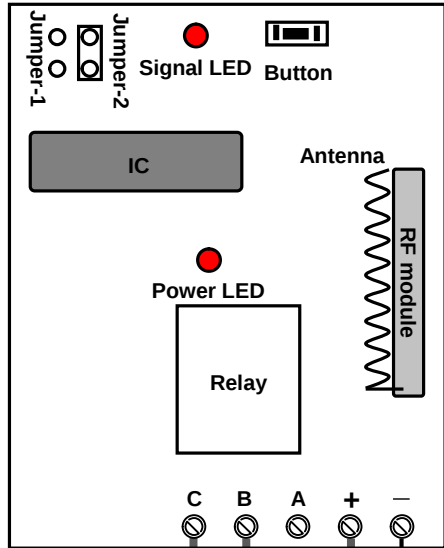
We have learned remote control to the receiver. If you don't want the receiver to work with the remote control, you can delete all codes of remote controls, which are stored in the receiver.

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.

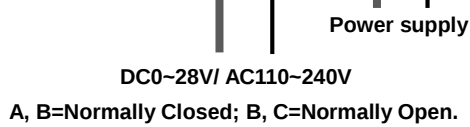
Learning the button of remote control:

- 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.

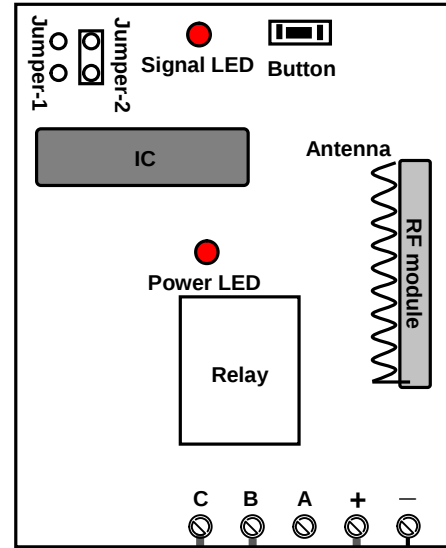
Interior Analogue Circuit



Application Circuit



Application: For DC12V motor or lamp



Power supply