

RF Wireless Remote Control Radio Controller with Delay Time Function / Transmitter & Receiver

Package Include:

12 x Receiver: S1UD-DC06 / S1UD-DC09 / S1UD-DC12 / S1UD-DC24 (1 Channel / Three Control Modes)
1 x Transmitter: CV-12
1 x User manual

Feature:

Wireless control, easy to install
Setting delay time from 0 to 99 seconds.
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.
Use an 8-bit microcontroller with low-power and high-speed CMOS technology.
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.: S1UD-DC06 / S1UD-DC09 / S1UD-DC12 / S1UD-DC24
Channel: 1 CH
Control Modes: Toggle, Momentary, Latched
Delay time: 0~99 seconds
Coding Type: Fixed code or Learning code
Coding Setting: By learning
Power Supply (Operating Voltage): DC6V (S1UD-DC06), DC12V±1V (S1UD-DC12), DC9V±1V (S1UD-DC09), DC24V±2V (S1UD-DC24)
Working Voltage Range of Relay: AC110~240V or DC0~28V
Output: Relay output (Normally open and normally closed)
Maximum Working Current of Relay: 7A
PCB Size: 45mm x 30mm x 15mm
Case Size: 50mm x 35mm x 23mm
Receiver Sensitivity: -114dbm
Static Current: ≤10mA

Transmitter:

Model No.: CV-12
Channel: 12 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:

Initial state: Terminals A, B = Normally Closed; Terminals B, C = Normally Open.
Connect device to terminal "B & C"; connect power supply to terminal "+" and "-".
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 and Jumper-3.

Control mode Toggle: Press -> On; Press again -> Off.
Press button 1: Turn on Receiver 1 (connect B and C, disconnect A and B)
Press button 1 again: Turn off Receiver 1 (disconnect B and C, connect A and B)
If you set delay time, such as 30 seconds:
Press button 1: Turn on Receiver 1 (connect B and C, disconnect A and B)
After 30 seconds, Turn off Receiver 1 automatically (disconnect B and C, connect A and B). Or press button 1 again within 30 seconds: Turn off Receiver 1 immediately.
...
Press button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)
Press button 12 again: Turn off Receiver 12 (disconnect B and C, connect A and B)
If you set delay time, such as 30 seconds:
Press button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)
After 30 seconds, Turn off Receiver 12 automatically (disconnect B and C, connect A and B). Or press button 12 again within 30 seconds: Turn off Receiver 12 immediately.

Setting control mode Momentary: Disconnect Jumper.

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

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

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

If you set delay time, such as 20 seconds:

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

After 20 seconds, Turn off Receiver 1 automatically (disconnect B and C, connect A and B). And the relay couldn't be turned off by pressing any button within 20 seconds.

...

Press and hold button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)

Release button 12: Turn off Receiver 12 (disconnect B and C, connect A and B)

If you set delay time, such as 20 seconds:

Press and hold button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)

After 20 seconds, Turn off Receiver 12 automatically (disconnect B and C, connect A and B). And the relay couldn't be turned off by pressing any button within 20 seconds.

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

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

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

Press other button: Turn off Receiver 1 (disconnect B and C, connect A and B)

If you set delay time, such as 10 seconds:

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

After 10 seconds, Turn off Receiver 1 automatically (disconnect B and C, connect A and B). Or press other button within 10 seconds: Turn off Receiver 1 immediately.

...

Press button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)

Press other button: Turn off Receiver 12 (disconnect B and C, connect A and B)

If you set delay time, such as 10 seconds:

Press button 12: Turn on Receiver 12 (connect B and C, disconnect A and B)

After 10 seconds, Turn off Receiver 12 automatically (disconnect B and C, connect A and B). Or press other button within 10 seconds: Turn off Receiver 12 immediately.

Delay time setting function:

Press the setting button, the LED off, that means enter into the delay time setting mode.

Then you can set delay time through pressing the learn button. Press the learn button, LED will flash once, that means the delay time increase 1 seconds, if you want to delay 30 seconds, you need to press the learn button with 30 times.

You can set longest delay time to 99 seconds.

Press the setting button again, the delay time what you have set will be preserved forever even if you turn off power. After the delay time is preserved by the system, LED will flash 3 times, the system will quit the delay time setting mode.

For example, when you use this receiver to control one lamp, and you already set 30 seconds delay time, you can press button 1 to turn on the lamp, and the lamp will turn off automatically after 30 seconds. If you don't need the delay function, you should clear the delay time.

Clear delay time:

If you don't want to set the delay time, you can operate as following:

Press the setting button and enter into the delay time setting mode, the delay time what you have set will be cleared automatically.

Press the setting button again, LED will flash 3 times, the system will quit the delay time setting mode.

Note:

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 learn button of receiver until LED begin flashes slowly; release the button, LED keeps slow flash. That means all stored codes have been deleted successfully.

Learning the button of remote control:

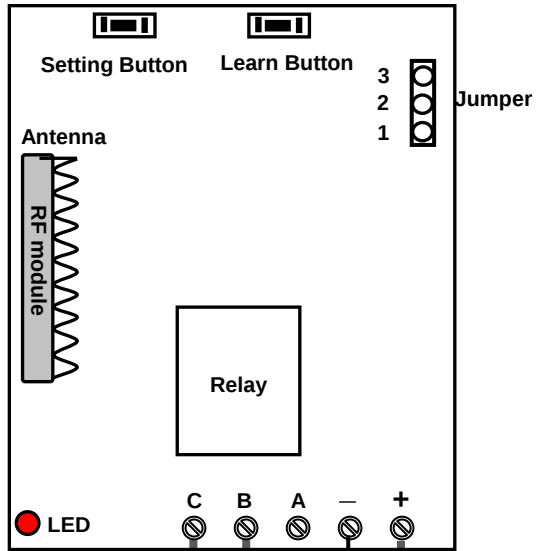
1) Press the learn button of receiver, LED off. The receiver enters into status of LEARNING.

2) Press any one button on remote control. If LED flashes 3 times and turns off, it means learning is successful.

3) When receiver is in the status of LEARNING, you should learn the remote control within 10 seconds, or the receiver will quit the status of LEARNING after 10 seconds.

4) The receiver can learn 16 remote controls with different codes.

Interior Analogue Circuit



Application Circuit

DC0~28V/ AC110~240V
 A, B=Normally Closed; B, C=Normally Open.

Application: For DC12V motor or lamp

