

RF Wireless Remote Control Kit (Model 0020295 S15C-DC12+15C-1)

Package Include:

1 x Receiver: S15C-DC09 / S15C-DC12 / S15C-DC24 (15 Channels / Three Control Modes)
15 x Transmitter: C-1
1 x User manual

Feature:

Application: It can be used in industry automation, agriculture automation and home automation, such as factory, house, farm, pasture, vehicle, ship, offshore operation, aerial vehicle, field call, etc. It can remote control equipments on land, water and air, such as remote control lights, sirens, locks, motors, fans, winches, blinds, linear actuators, doors, windows, electric solenoid valves, security alarm, business signs and various devices.

Wireless control, easy to install.

Relay Output: This receiver is relay output, it can be used to operate both DC and AC equipments. The terminals are NO / NC (normally open / normally closed), which serves as a switch. That means you should also connect a separate power supply to equipments.

You can turn on/ off the receiver with transmitter (remote control) from any place within a reliable distance.

Wireless RF signal can pass through walls, floors, doors or windows.

With reverse power protection and over current protection.

Reliable control: The receiver only works with the transmitter which use same code.

One/several transmitters can control one/several receivers simultaneously.

You can use two or more units in the same place.

Receiver Parameters:

Model No.: S15C-DC09 / S15C-DC12 / S15C-DC24

Power Supply (Operating Voltage): DC9V±1V (S15C-DC09), DC12V±1V (S15C-DC12), DC24V±1V (S15C-DC24)

Output: Relay output (Normally open and normally closed)

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

Working Frequency: 315MHz / 433MHz

Channel: 15 CH

Control Modes: Toggle, Latched, Momentary and mixed modes

Static Current: ≤6mA

Maximum Working Current: 10A / each channel

PCB size: 135mm x 92mm x 19mm

Case Size: 153mm x 120mm x 42mm

Work with Fixed code transmitters.

Transmitter:

Model No.: C-1

Channel: 1 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)

Matching Transmitters:

The receiver can work with different transmitters, such as model C-1 (100M), CWB-1 (50M, waterproof), CP-1/CV-15 (500M), or CB-1 (1000M) etc.

Working Range:

With a transmitter (such as C-1) to form a complete set, the maximum working distance can reach 100M in an open ground.

The maximum working distance is a theoretical data, it shall be operated in an open ground, no barriers, no any interference. But in the practice, it will be hindered by trees, walls or other constructions, and will be interfered by other wireless signals. Therefore, the actual distance may not reach this maximum working distance.

If you want to have a further working range, you can install an external antenna to the receiver, and you also can use a powerful transmitter, such as CB series transmitters.

Usage:

The receiver can be used to control both DC 0~28V and AC 110~240V equipments.

Notice: The receiver is relay output, not DC/AC power output. Initial state of relay output terminals: Terminals A and B are Normally Open; Terminals B and C are Normally Closed.

Wiring:

If you want to control a DC 12V lamp, do as following:

- 1) Connect the positive pole of DC power supply to terminal "+" of INPUT, and connect the negative pole of DC power supply to terminal "-" of INPUT.
- 2) Connect terminal A to the positive pole of DC power supply, connect terminal B to the positive pole of DC lamp, and connect the negative pole of DC lamp to the negative pole of DC power supply.

If you want to control an AC 220V lamp, do as following:

- 1) Connect the positive pole of DC power supply to terminal "+" of INPUT, and connect the negative pole of DC power supply to terminal "-" of INPUT.
- 2) Connect terminal A to the live wire of AC power supply, connect terminal B to one side of AC lamp, and connect another side of AC lamp to the neutral wire of AC power supply.

Setting different control modes (with 15 transmitters C-1):

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):

1) Learning Momentary control mode: When the receiver is in the status of LEARNING, press transmitter 1.

Control mode Momentary (Channel 1~15): Press and hold -> On; Release -> Off.

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

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

...

Press and hold button 15: Turn on relay 15 (connect A and B, disconnect B and C), the lamp 15 is on.

Release button 15: Turn off relay 15 (disconnect A and B, connect B and C), the lamp 15 is off.

2) Learning Latched control mode: When the receiver is in the status of LEARNING, press transmitter 2.

Control mode Latched (Channel 1~15): Press -> On, other relays Off; Press other button -> Off.

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

Turn off other relays (disconnect A and B, connect B and C), other lamps are off.

...

Press button 15: Turn on relay 15 (connect A and B, disconnect B and C), the lamp 15 is on.

Turn off other relays (disconnect A and B, connect B and C), other lamps are off.

3) Learning Toggle control mode: When the receiver is in the status of LEARNING, press transmitter 3.

Control mode Toggle (Channel 1~15): Press -> On; Press again -> Off.

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

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

...

Press button 15: Turn on relay 15 (connect A and B, disconnect B and C), the lamp 15 is on.

Press button 15 again: Turn off relay 15 (disconnect A and B, connect B and C), the lamp 15 is off.

4) Learning Momentary (Channel 1~8) + Latched (Channel 9~15) control mode: When the receiver is in the status of LEARNING, press transmitter 4.

5) Learning Toggle (Channel 1~8) + Momentary (Channel 9~15) control mode: When the receiver is in the status of LEARNING, press transmitter 5.

6) Learning Latched (Channel 1~8) + Toggle (Channel 9~15) control mode: When the receiver is in the status of LEARNING, press transmitter 6.

7) Learning Momentary (Channel 1~13) + Latched (Channel 14~15) control mode: When the receiver is in the status of LEARNING, press transmitter 7.

8) Learning Toggle (Channel 1~13) + Momentary (Channel 14~15) control mode: When the receiver is in the status of LEARNING, press transmitter 8.

9) Learning Toggle (Channel 1~5) + Momentary (Channel 6~10) + Latched (Channel 11~15) control mode: When the receiver is in the status of LEARNING, press transmitter 9.

10) Learning Momentary (Channel 1~5) + Latched (Channel 6~10) + Momentary (Channel 11~15) control mode: When the receiver is in the status of LEARNING, press transmitter 10.

11) Learning Toggle (Channel 1~2) + Momentary (Channel 3~10) + Latched (Channel 11~15) control mode: When the receiver is in the status of LEARNING, press transmitter 11.

12) Learning Momentary (Channel 1~2) + Toggle (Channel 3~10) + Latched (Channel 11~15) control mode: When the receiver is in the status of LEARNING, press transmitter 12.

13) Learning Latched (Channel 1~2) + Momentary (Channel 3~10) + Toggle (Channel 11~15) control mode: When the receiver is in the status of LEARNING, press transmitter 13.

14) Learning Toggle (Channel 1~2) + Latched (Channel 3~9) + Momentary (Channel 10~15) control mode: When the receiver is in the status of LEARNING, press transmitter 14.

15) Learning Toggle (Channel 1~13) + All On / Off (Channel 14/15): When the receiver is in the status of LEARNING, press butt transmitter on 15.

Press transmitter 14: Turn on all 15 relays

Press transmitter 15: Turn off all 15 relays

How to pair the transmitter to the receiver:

1) Press the learn button of the receiver, the buzzer sounds one time, it means the receiver is in the status of LEARNING.

2) At this time, immediately press any button of remote control within one second, if the buzzer sounds three times, it means LEARNING is successful.

If the buzzer sound about 1 second, it means LEARNING is failed and the receiver will quit the status of LEARNING.

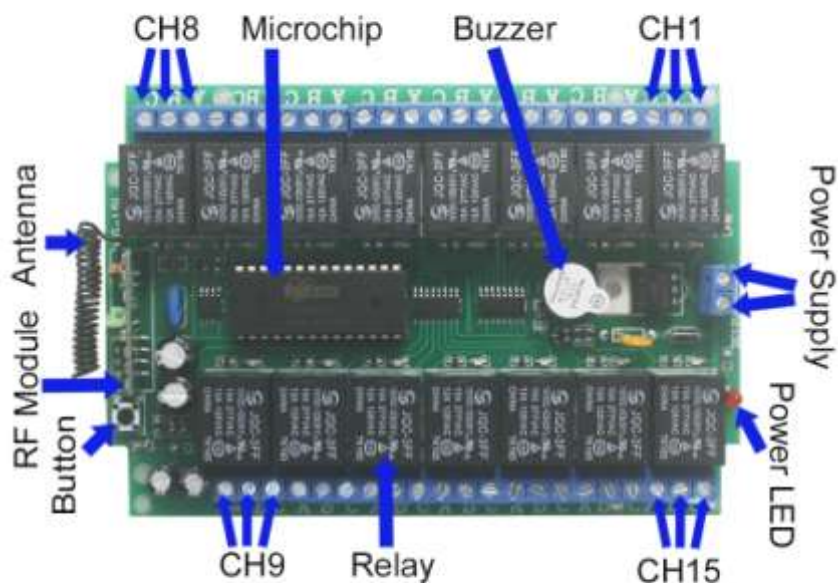
3) The receiver can learn several remote controls of different codes.

4) We have set the receiver as Toggle control mode before delivery. If you want to use other control modes, please delete all codes stored in the receiver before you set other control modes.

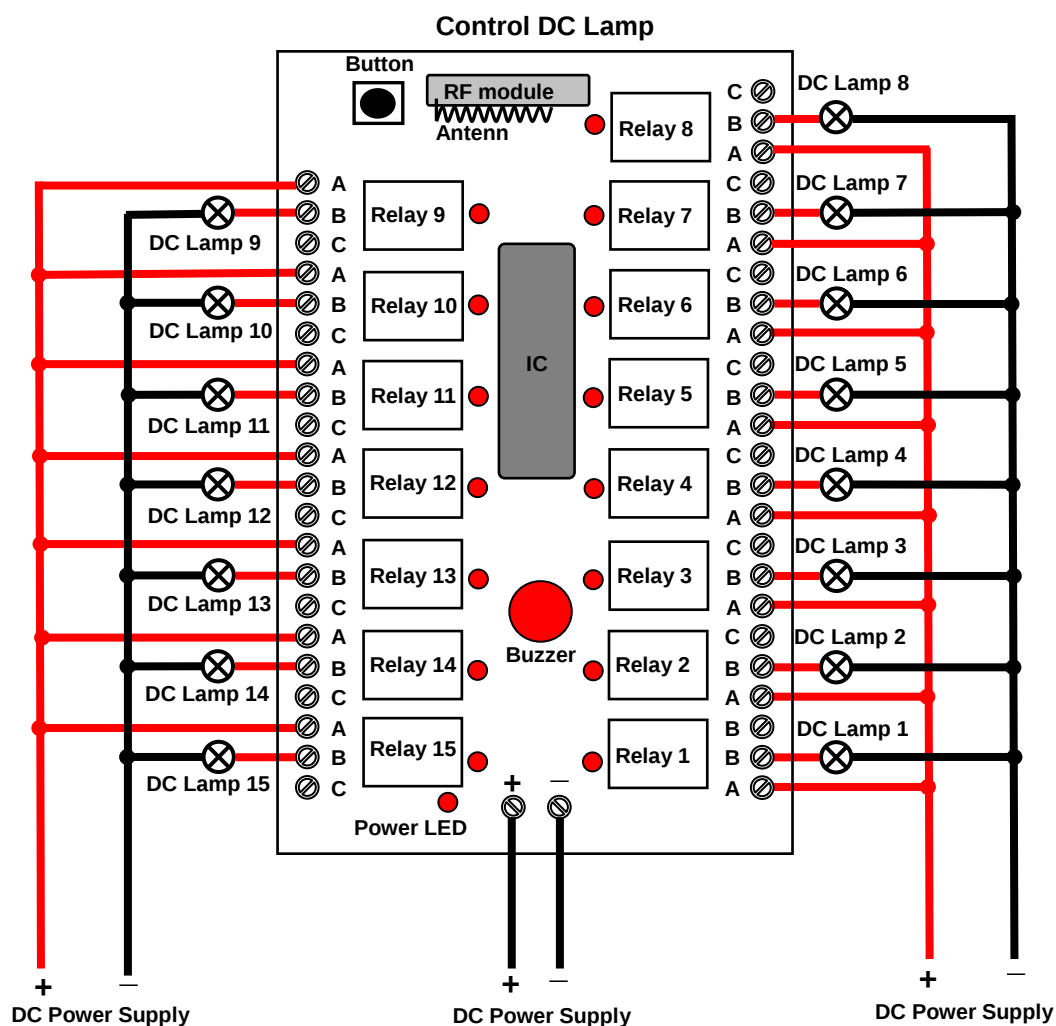
Delete all transmitters:

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.

Press the button of receiver about 3 seconds until the siren sounds 5 times; then release the button. At this time, all stored codes have been deleted successfully; remote control cannot control the receiver.



A, B=Normally Open; B, C=Normally Closed.



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