

5000 Meters RF Wireless Receiver (0020108)

Feature:

Wireless control, easy to install.

Waterproof case with waterproof connectors.

High power, each relay output can work at maximum 30A current.

Super long range, with a transmitter to form a complete set, the working distance can reach 5000m in an open ground.

Feedback function: can let the user know whether he/she had already connect the transmitter and receiver successfully in such a long distance.

Two ways working mode, when the receiver gets the signal of transmitter, it will immediately send a return signal to the transmitter.

America imported chips, which can ensure reliability and assure the high quality of the products.

Relay output, can be used in home automation, such as security system, remote control lights, motors, Doors / Locks / Windows / Blinds / Cars, and various equipment.

It also can be used in agriculture and industry automation, such as long range and high power remote control devices.

Wireless remote control products on land, water and air, especially in a long distance, such as farm, pasture, offshore unmanned operation, field call, remote security alarm, unmanned aerial vehicle, etc.

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

Reliable control: The transmitter (Encoding) and the receiver (Decoding) use the custom 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. S4PUW-DC06-ANT2 / S4PUW-DC09-ANT2 / S4PUW-DC12-ANT2 / S4PUW-DC24-ANT2

Power Supply (Operating Voltage): DC6V (S4PUW-DC06-ANT2), DC9V±1V (S4PUW-DC09-ANT2), DC12V±1V (S4PUW-DC12-ANT2), DC24V±2V (S4PUW-DC24-ANT2)

Working Frequency: 433.92MHz

Channel: 4CH

Control Modes: Toggle, Momentary, Latched

Output: Relay output (Normally open and normally closed)

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

Maximum Working Current of Relay: 30A

Static Current: ≤6mA

PCB size: 170mm x 109mm x 18mm

Case size: 200mm x 120mm x 53mm

Work with custom code transmitters.

Notice:

The receiver can only pair six different model transmitters, model CC-1, CC-2 CC-4, CCW-1, CCW-2 or CCW-4. You can use one transmitter CC-4 with four buttons to control two receivers.

External Magnetic Sucker Antenna:

Frequency Range: 300~450MHz

Impedance: 50Ω

Antenna Length: 15cm

Cable Length: 5m, we also can offer longer cable, such as 10meters, 30meters.

Weight: 55g

Anti-interference, waterproof, shielded wire set inside

Magnetic stand design for easy to install

Usage (with the transmitter):

Connect DC power to terminal "+" and "-".

Initial state of relay output terminals: Terminals A and B are Normally Open; Terminals A and C are Normally Closed.

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) Setting control mode Toggle (with transmitter CC-4): Turn on the first bit of the dip switch.

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

Press button A of the transmitter: Turn on relay1 (connect A and B, disconnect A and C)

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

...

Press button D of the transmitter: Turn on relay 4 (connect A and B, disconnect A and C)

Press button D again: Turn off relay 4 (disconnect A and B, connect A and C)

2) Setting control mode Momentary (with transmitter CC-4): Turn on the first and the second bits of the dip switch.

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

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

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

...

Press and hold button D of the transmitter: Turn on relay 4 (connect A and B, disconnect A and C)

Release button D: Turn off relay 4 (disconnect A and B, connect A and C)

3) Setting control mode Latched (with transmitter CC-4): Turn on the second bit of the dip switch

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

Such as:

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

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

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

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

The manual button :

You can Press button to control the relay outputs of this receiver.

When Press and hold button S1, Turn on the relay 1 (connect A and B, disconnect A and C). And when Release button S1, Turn off the relay 1 (disconnect A and B, connect A and C).

...

When Press and hold button S4, Turn on the relay 4 (connect A and B, disconnect A and C). And when Release button S4, Turn off the relay 4 (disconnect A and B, connect A and C).

Feedback function:

When the receiver gets the signal of transmitter, it will immediately send a return signal to the transmitter. When the transmitter receive the feedback signal of the receiver, the transmitter will exude a buzzing sound like "D~" which means it receive the feedback signal successfully.

How to pair the transmitter to the receiver:

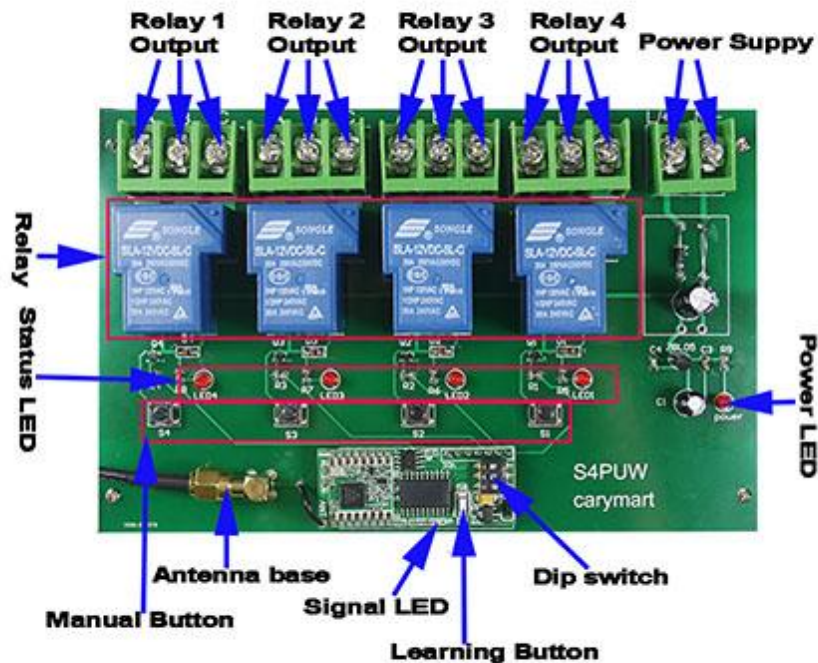
1) Press button K1 of receiver for 1- 2 seconds; signal LED on the receiver is on. The receiver enters into status of LEARNING.

2) Press any one button on remote control. If signal LED flashes twice, it means learning is successful.

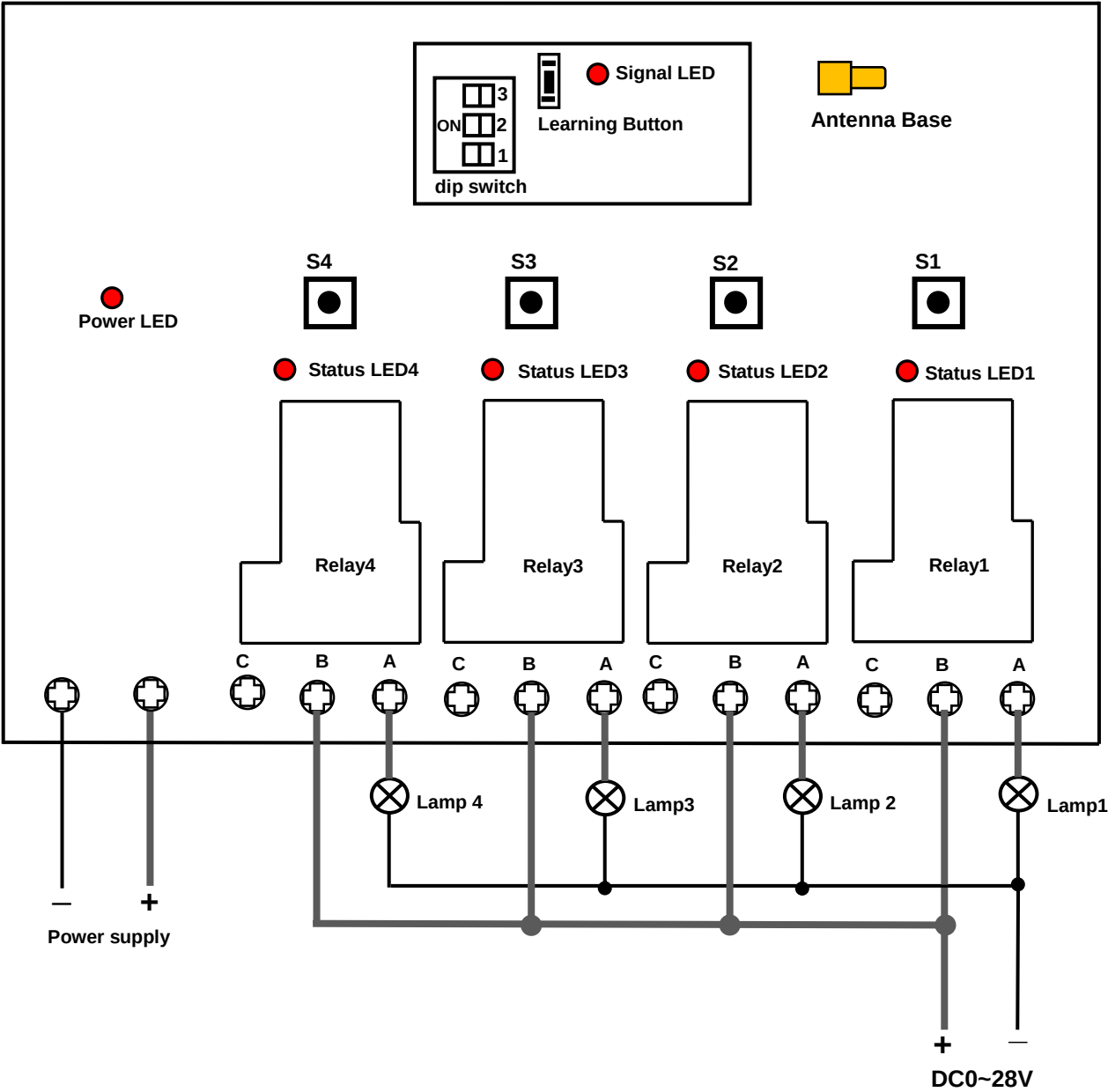
Delete all transmitters:

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.

Operation: Press and hold the button of receiver until signal LED flashes three times. That means all stored codes have been deleted successfully.



Control DC Equipment



Control AC Equipment

