

RF Wireless Receiver (Model 0020707 S1UA-AC380+1CP-2-2)

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.

AC Power Output: It can control AC 380V equipment

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.

Lack-phase protection: To prevent equipment burned down

Receiver Parameters:

Model No.: S1UA-AC380

Channel: 1 CH

Power Supply (Operating Voltage): AC380V

Output: AC380V

Working Frequency: 315MHz / 433MHz

Control Modes: Latched

Static Current: $\leq 6\text{mA}$

Maximum Working Current: 25A, 380V/5.5KW

Case size: 200mm x 135mm x 120mm

Work with Fixed code transmitters

Transmitters:

Model No.: CP-2-2

Shell Color: White

With Sliding Cover: Slide up when it doesn't work (to protect the button). Slide down the button will appear.

Channel/Button: 2

Button Symbol: ON, OFF

Operating Voltage: 12V (1 x 23A -12V battery, can be used for 12 months)

Operating Current: 8mA

Operating Frequency: 315Mhz / 433Mhz

Encoding Chip: PT2262/ PT2264/ SC2262

Encoding Type: Fixed code by soldering, up to 6561 codes

Transmitting Distance: 500m / 1500ft (theoretically)

If you stretches the telescopic antenna, it can have a further working range, which is twice as much as it used to be.

Modulation Mode: ASK

Operating Temperature: -20°C to $+70^{\circ}\text{C}$

Unit Size: 85mm x 40mm x 18mm

Matching Transmitters:

The receiver can work with different transmitters, such as model CG-2 (500M), CV-2 (500M), CB-2 (1000M) etc.

Working Range:

With a transmitter (such as CP-2-2) to form a complete set, the maximum working distance can reach 500M 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.

Telescopic Antenna:

Length of external telescopic antenna: 108mm / 445mm (stretch)

If you stretches the external telescopic antenna, it can have a further working range.

Usage (with the transmitter CP-2-2):

The receiver can be used to control AC 380V pumps, motors and other equipments.

Wiring:

Connect three lines of the AC380 power supply to terminal "L1", "L2" and "L3";

Connect three lines of the AC 380V equipment to terminal "T1", "T2" and "T3"

1) Press button ON of the transmitter, receiver outputs AC 380V power, the 380V equipment works.

2) Press button OFF of the transmitter, receiver stops to output AC 380V power, the 380V equipment stops to work.

Manual button:

- 1) Press button ON of the receiver, receiver outputs AC 380V power, the 380V equipment works.
- 2) Press button OFF of the receiver, receiver stops to output AC 380V power, the 380V equipment stops to work.

Learning the button of remote control:

- 1) Press the learning button of the receiver for 1- 2 seconds; release the button, signal LED is on. The receiver enters into status of LEARNING.
- 2) Within 4 seconds, press any button on transmitter. If signal LED flash 4 times to signal LED is off, it means learning is successful.
- 3) The receiver can learn several remote controls with different codes.

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: Pressing learning button on the receiver until the signal LED from on to flash end to off, release the button. That means all stored codes have been deleted successfully.

