RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:

1 x Receiver: S1X-AC220
2 x Transmitter: C-2
1 x Electric solenoid valve
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.
Waterproof: The receiver has waterproof case and waterproof connector, it can be installed outdoors.
Universal input: Support voltage of AC110V (100V~120V), widely used in US, Canada... and voltage of AC220V (200V~240V), used in UK, France...
AC Power Output: It can control AC equipment with voltage 110V / 120V / 220V / 240V AC.
With wired control terminals: You can connect sensors, limit switches, manual switches or external devices to control the receiver.
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.: S1X-AC220
Power Supply (Operating Voltage): AC100~240V (110V/120V/220V/240V)
Output: AC100~240V (110V/120V/220V/240V)
Working Frequency: 315MHz / 433MHz
Channel: 1 CH
Control Modes: Toggle, Momentary, Latched
Static Current: ≤6mA
Maximum Working Current: 10A / each channel
PCB size: 90mm x 59mm x 18mm
Case size: 100mm x 68mm x 50mm
Work with Fixed code transmitters or Learning code transmitters.

Transmitter:

Model No.: C-2
Shell color: white
Channel: 2 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)

Working Range:

With a transmitter (such as C-2) 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.

Parameters:

Wattage: 24W
Working Voltage: AC 220V
Type: normally closed (power on, solenoid valve open; power off, solenoid valve close)
Working Temperature: -5℃~100℃
Operating Pressure: 0~1.0Mpa (0~10kg/cm²)
Material of valve body and coil: 100% Brass
Usage: water, air, diesel, gas, low viscosity fluids

Pipe size	1/4"	1/2"	3/4"	1"
Thread type	G1/4"	G1/2"	G3/4"	G1"
Internal Orifice	12MM	20MM	25MM	32MM

Usage:

Setting different control modes (We have set the receiver as Toggle mode before delivery. If you want to use other modes, do as following):

1) Setting control mode Toggle: Only connect Jumper-2.
Press button 1: Turn on the relay, terminal OUT outputs AC power. Electric solenoid valve work.
Press button 1 again: Turn off the relay, terminal OUT no output. Electric solenoid valve stops work .
2) Setting control mode Momentary: Only connect Jumper-1.
Press and hold button 1: Turn on the relay, terminal OUT outputs AC power. Electric solenoid valve work.
Release button 1: Turn off the relay, terminal OUT no output. Electric solenoid valve stops work .
3) Setting control mode Latched: Do not connect Jumper-1 and Jumper-2.
Press button 1: Turn on the relay, terminal OUT outputs AC power. Electric solenoid valve work.
Press button 2: Turn off the relay, terminal OUT no output. Electric solenoid valve stops work.

Wired control terminals:
The receiver has manual control terminals, you can connect external devices, sensors, or manual switches to control the receiver.
1) Signal input:
You can connect external devices (with low level output signal) to manual terminals 1 (Signal +) and terminal 3 (Signal -), then the external device's output signal can control the receiver.
When the external device outputs low level signal to manual terminal 1 and terminal 3, turns on the relay. Terminals "OUT1" outputs AC power, Electric solenoid valve work.
When the external device stops to output signal, turns off the relay. Terminals "OUT1" stops outputting, Electric solenoid valve stops work.

2) The manual switches:
You can connect manual switches to manual terminals 1 and 3, then you can use manual switches to control the receiver.
When connect terminals 1 and 3, the receiver turns on the relay. Terminals "OUT1" outputs AC power, Electric solenoid valve work.
And when disconnect terminals 1 and 3, the receiver turns off the relay. Terminals "OUT1" stops outputting, Electric solenoid valve stops work.

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.

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 slowly; release the button, LED keeps slow flash. That means all stored codes have been deleted successfully.