RF Wireless Remote Control Radio Controller / Transmitter & Receiver

Package Include:
1 x Receiver: S1X-DC12 / S1X-DC24
2 x Transmitter: C-2
1 x Electric solenoid valve
1 x Power adapter: DC12V/3A
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.
DC Power Output: It can control DC equipment with voltage12V / 24V.
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:
Model No.: S1X-DC12
Channel: 1 CH
Power Supply (Operating Voltage):DC12V±1V (S1X-DC12), DC24V±1V (S1X-DC24)
Output: DC12V (S1X-DC12), DC24V (S1X-DC24)
Control Modes: Toggle, Momentary, Latched
Working Frequency: 315MHz / 433MHz
Coding Type: Fixed code
Coding Setting: By learning
Maximum Working Current: 10A
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)

Parameters:
Wattage: 24W
Working Voltage: DC12V, DC24V
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 1 outputs DC power. Electric solenoid valve work.
Press button 1 again: Turn off the relay, terminal OUT 1 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 1 outputs DC power. Electric solenoid valve work.
Release button 1: Turn off the relay, terminal OUT 1 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 1 outputs DC power. Electric solenoid valve work.

Press button 2: Turn off the relay, terminal OUT 1 no output. Electric solenoid valve stops work.

Wired control terminals:
The receiver has wired control terminals, you can connect external devices, sensors, limit switches or manual switches to trigger the receiver.

1) By low level signal:
You can connect external devices (with low level output signal) to trigger the receiver.
When external device outputs low level signal to terminals 1 (Signal +) and terminal 3 (Signal -), terminal of OUT 1 output DC power. Electric solenoid valve work.
When external device stops to output signal, terminal of OUT 1 stop outputting. Electric solenoid valve stops work.

2) By NO/NC contact:
You can connect manual switches (with NO/NC contact) to trigger the receiver.
When connect terminals 1 and 3 by manual switch, terminal of OUT 1 output DC power. Electric solenoid valve work.
When disconnect terminals 1 and 3 by manual switch, terminal of OUT 1 stop 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.