

DC Electric Solenoid Valve WiFi & Remote Control Intelligent System

Package Include:

- 1 x DC Electric Solenoid Valve
- 1 x WiFi to RF Converter (Including power adapter)
- 1 x Receiver: S1X-DC12
- 2 x Transmitter: C-2
- 1 x Power Adapter (DC12V/3A)
- 1 x User manual

Product Introduction:

This intelligent control kit includes a DC electric solenoid valve, a WiFi-RF converter, a RF receiver, a RF transmitter and a power adapter. The receiver can be used to connect a DC electric solenoid valve. The user can use the RF transmitter to control the DC electric solenoid valve connected to the RF receiver, or use the smart phone to control the DC electric solenoid valve connected to the receiver anytime and anywhere.

Product Application:

1. The user can use this system to control various devices with AC electric solenoid valve through Smartphone and remote by the Internet and RF wireless signal, mainly used for water, air, diesel, gas, low viscosity fluids, agricultural irrigation, garden watering and industrial fluids.
2. This product also has superior timing and delay functions which can achieve a variety of complex timing control, delay control and automatic cycle control. Therefore, it has richer and smarter control functions than traditional remote controls.

Product Feature:

- Wireless control, easy to install.
- Connect to the Internet via the WIFI signal of the wireless router.
- Via smartphone app to control, no distance limit.
- It offers APP for Android or iOS, and APP is free to use.
- The Android version of the app supports a variety of Android phones or tablets.
- The iOS version of the app supports a variety of iPhone, iPad and iPod Touch.
- The APP supports English, French, German, Spanish, Russian and other languages.
- Wired control terminals: You can use manual switches control the DC electric solenoid valve.
- Timing function: You can set the device to run automatically at different times of a day.
- With the sharing function, you can share this device with other mobile phones for common operation.

Working Principle:

The DC electric solenoid valve is connected to the RF receiver, and you can directly use the RF transmitter to control the DC electric solenoid valve. The WiFi to RF converter is connected to the Internet via the WiFi signal of the wireless router. It can learn the wireless signal of RF transmitter, and emit the same wireless signal to control the RF receiver. Therefore you can use the Smartphone APP to operate the WiFi to RF converter, then the WiFi to RF converter emit wireless signal to control the DC electric solenoid valve by RF receiver. So Smartphone can be transformed into a universal remote which is enable to remote control various devices at anytime and anywhere.

Use Process:

1. Use Smartphone to download the APP, and register an account and log in.
2. Connect the WiFi to RF converter to a wireless router and operate the APP to learn the transmitter.
3. Connect the DC electric solenoid valve to the receiver, then you can control the DC electric solenoid valve by the transmitter from any place within a reliable distance.
4. You also can use Smartphone APP to control the DC electric solenoid valve from any place without distance limit.

DC Electric Solenoid Valve:

- Working Voltage: DC12V
- Wattage: 24W
- Pipe size: 1/4", 1/2", 3/4" or 1"
- Thread type: G1/4", G1/2", G3/4" or G1"
- Internal Orifice: 12MM, 20MM, 25MM or 32MM
- Type: normally closed (power on, solenoid valve open; power off, solenoid valve close)
- Working Temperature: -5°C~100°C
- Operating Pressure: 0~1.0Mpa (0~10kg/cm²)
- Material of valve body and coil: 100% Brass

WiFi to RF Converter:

- Dimension: 62mm x 62mm x 20mm
- Operating voltage: 5V/1A (powered by Micro USB interface)
- WiFi operating frequency: 2.4GHz
- RF system working distance: 50 to 100 meters (in an open environment)
- Working temperature: -40°C~85°C
- It can learn up to 4 remote controls and can control up to 16 switches.
- Supports the frequency of the learned RF remote controls: 433MHz
- Most fixed code and learning code remote controls are supported, such as the remote control chip models PT2260, PT2262, PT2264, EV1527 etc.
- Dynamic codes (rolling codes) and encrypted remote controls are not supported.

Remote controls of infrared signal such as the remote controls of TV and air-conditioning are not supported.
It can be remotely controlled by mobile phone APP in any place where there is a mobile phone signal.
The Android version of the APP supports a variety of mobile phones or tablet devices of Android systems.
The iOS version of the APP supports a variety of Apple phones or Apple devices such as the iPhone, iPad, and iPod Touch.
APP supports English, French, German, Spanish, Russian and other languages.
Multiple working modes: interlocking, self-locking, sharing and custom scenes.

Receiver:

Model No.: S1X-DC12
Power Supply (Operating Voltage): DC12V ± 1V
Output: DC12V
Working Frequency: 433MHz
Channel: 1 CH
Control Modes: Self-locking, Momentary, and Interlocking
Static Current: ≤6mA
Maximum Working Current: 10A
PCB size: 90mm x 59mm x 18mm
Case size: 100mm x 68mm x 50mm

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)

Operation:

- 1) Control the DC electric solenoid valve by RF transmitter (C-2):
Press button A on the transmitter: the electric solenoid valve is opened.
Press button B on the transmitter: the electric solenoid valve is closed.

- 2) Control the DC electric solenoid valve by smart phone:
Press button A on the smart phone APP: the electric solenoid valve is opened.
Press button B on the smart phone APP: the electric solenoid valve is closed.