

Smart Phone APP WIFI Controller RF Remote Control Kit For DC Motor (Model 0020782)

Package Include:

1 x WiFi to RF Converter (Including power adapter)
1 x Receiver: S1F2-DC12 / S1F2-DC24
2 x Transmitter: CWC-3
1 x User manual

Product Introduction:

This intelligent control kit includes a WiFi-RF converter, a receiver, and two remote controls. The receiver has a set of relay output that can be used to connect DC motor (12V/24V) rotates in positive/ reversal direction. The user can use the remote control to control the DC motor connected to the receiver, or use the smart phone to control the DC motor connected to the receiver anytime and anywhere.

Product Application:

1. It can remote control various devices through mobile phones and the Internet. And it applies to industrial, agricultural, commercial and home automation and other fields. Such as the control of curtains, electric doors, electric machinery, winches, linear actuators and other devices, factory or farm equipment and vehicle or marine equipment.
2. Especially when the DC motor is in a place without a network, the user can use this product to remote control the device through the mobile phone and the Internet.
3. 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 Principle:

The WiFi to RF converter is connected to the Internet via the WiFi signal of the wireless router. We use the mobile phone APP to operate the WiFi to RF converter.

The WiFi to RF converter can learn the signal of RF remote control and control the RF device by emitting the same RF signal.

Through these two principles, the mobile phone can be transformed into a universal remote controller which is enable to remote control various devices.

Product Usage:

Firstly, we use the mobile phone to download the APP, register an account and log in. Then connect the WiFi to RF converter to a wireless router and operate the APP to learn the RF signals of buttons "ON" and "OFF" of remote control. Finally, we can use the mobile phone APP to control the DC motor or Linear Actuator connected to the receiver.

Feature:

Wireless control, easy to install.

This RF receiver is power supply output; it can be used to operate either DC motor or Linear Actuator

RF receiver with reverse power protection and over current protection.

You can turn on/ off the controlled device by the transmitter (remote control) from any place within a reliable distance.

You can turn on/ off the controlled device by the smart phone from any place.

WiFi to RF Converter Parameters:

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: self-locking, interlocking, delay, ordinary timing, cycle timing and custom scenes.

Receiver Parameters:

Model No.: S1F2-DC12 / S1F2-DC24

Power Supply (Operating Voltage): DC12V±1V (S1F2-DC12), DC24V±1V (S1F2-DC24)

Output: DC12V (S1F2-DC12), DC24V (S1F2-DC24)

Control Modes: Interlocking

Working Frequency: 433MHz

Wire range for the terminals: 22-12AWG

Case Size: 75mm x 54mm x 27mm

Quiescent Current: 5mA

Rated Current: 10A

The Maximum Instantaneous Current of Starting Motor: 10A

Work with Fixed code transmitters or Learning code transmitters.

Transmitter Parameters:

Model No.: CWC-3

Waterproof

Channel/Button: 3

Button Symbol: ▲、▼、●

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

Operating Current: 4mA

Operating Frequency: 433Mhz

Encoding Chip: EV1527

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

Transmitting Distance: 50m / 150ft (theoretically)

Modulation Mode: ASK

Operating Temperature: -20 ° C to +70 ° C

Unit Size: 58mm x 30mm x 12mm

Operation:

1) Controlling the DC motor by RF transmitter (CWC-3):

Press button ▲ on the transmitter: terminal "Output" outputs DC power, motor rotates in positive direction.

Press button ▼ on the transmitter: terminal "Output" outputs DC power, motor rotates in reversal direction.

Press button ● on the transmitter: motor stops.

2) Controlling the DC motor by smart phone:

Press button "UP" on the smart phone APP: terminal "Output" outputs DC power, motor rotates in positive direction.

Press button "DOWN" on the smart phone APP: terminal "Output" outputs DC power, motor rotates in reversal direction.

Press button "STOP" on the smart phone APP: motor stops.

3) Controlling the DC motor by manual buttons in receiver:

Press button K3 in receiver: terminal "Output" outputs DC power, motor rotates in positive direction.

Press button K1 in receiver: terminal "Output" outputs DC power, motor rotates in reversal direction.

Press button K2 in receiver: motor stops.

Delay Function:

The delay time can be accurate to the minutes, the shortest delay time is 1 minute, and the longest delay time is 24 hours. Up to 8 delay times can be set. The device will automatically turn on or off when the set time reached.

Timing Function:

Users can set the device to run automatically at different times during the day. You can set up to 4 groups of timing, each set of timing includes a time to turn on the device and a time to turn off the device.

Cycle Timing Function:

User can set a run time and a cycle time to set the device to run repeatedly and automatically. For example, set the device to start once every hour, each time runs for 20 minutes, and the cycle is repeated automatically.