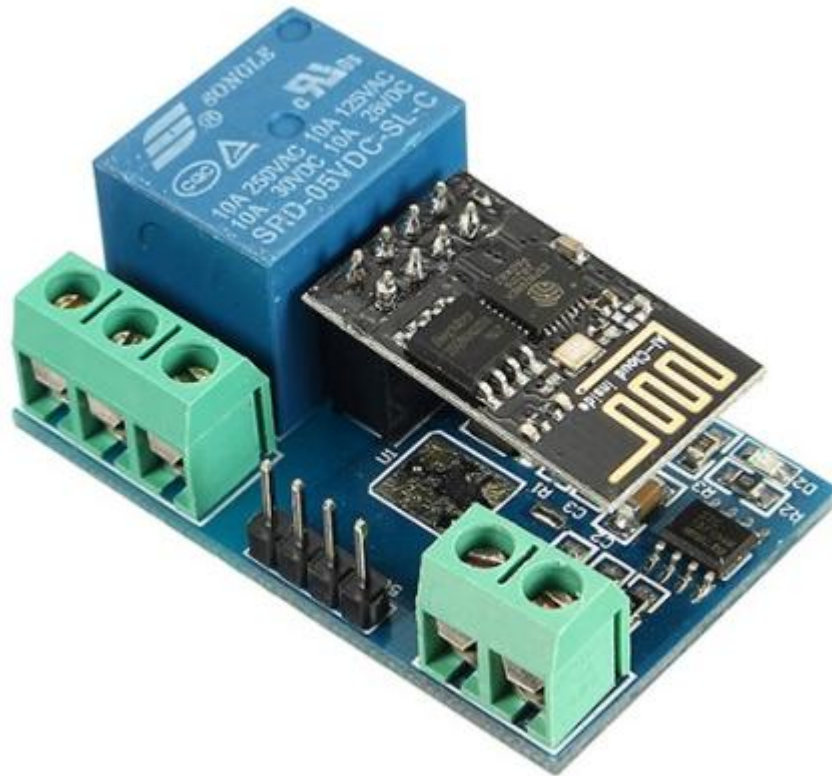


# MODULO RELE WIFI 5 VCC ESP8266



## MD9044

LC 5V WiFi relay module carried a ESP8266 WiFi module and microcontroller.

It will send the serial port instructions to the cell phone APP and Implementation within the local area network (LAN) for wireless control relay.

Function and characteristics:

Onboard ESP8266 WIFI module, AP mode 5 client can be connected at the same time;

Module has two work modes: 1, cell phones, carry on the WiFi module;2, mobile phone and WiFi module

Carrying on the same router, by mobile phone APP to control relay

Transmission distance:

1.The open environment, the mobile phone when carrying on the WIFI module maximum transmission distance of 400 m

2.When the WiFi module and cell phone carrying on the router at the same time the signal transmission distance in accordance with the router On the weak

Onboard 5 v, 10 A / 250 v AC 10 A / 30 v DC relay, absorb 100000 times continuously

Module with diode effusion protection, short response time

Module baud rate: 9600,8,1,0,0.

The board function description:

Size: 45\*28mm

IN +,IN-: 5 v power input

TX ,RX and GND: a serial port debug pins

Introduction:

Onboard the ESP8266 WIFI module has three work modes: STA (client), AP (hot), the STA + Ap( hot +client), according to the workings of a module to the corresponding choice of WIFI module working mode.Module need before use serial debugging software and USB to TTL module send serial command was carried out on the WIFI module configuration (don't power outages after configuration is complete, as some of the parameters of WIFI module cannot be saved when the power is cut off), mobile phone and WIFI module after establishing a network connection can use the phone APP control relay.

When cell phone equipped with WiFi module sends commands in the following order:

(The default baud rate 115200)

1, AT+CWMODE=2, namely AP mode is selected;

2, AT+RST, reset;

- 3, AT+CIPMUX=1, open multiple connections;
- 4, AT+CIPSERVER=1,8080, configure the TCP server, set the port;
- 5, AT+CIOBAUD=9600 set the baud rate to 9600. (working in relays to control the baud rate 9600)
- 6, AT+CIFSR to view the AP mode IP address, such as: the APIP, "192.168.4.1";
- 7, Cell phone WIFI signal connection name starts with AI-THINKER or ESP8266;
- 8, In the "TCP connection" address and port into the APP, such as 192.168.4.1 and 8080;
- 9, Click on the grey box relays can be controlled.

Applications:

1. Home Automation
2. Industrial IOT Applications
3. Lighting Controls

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