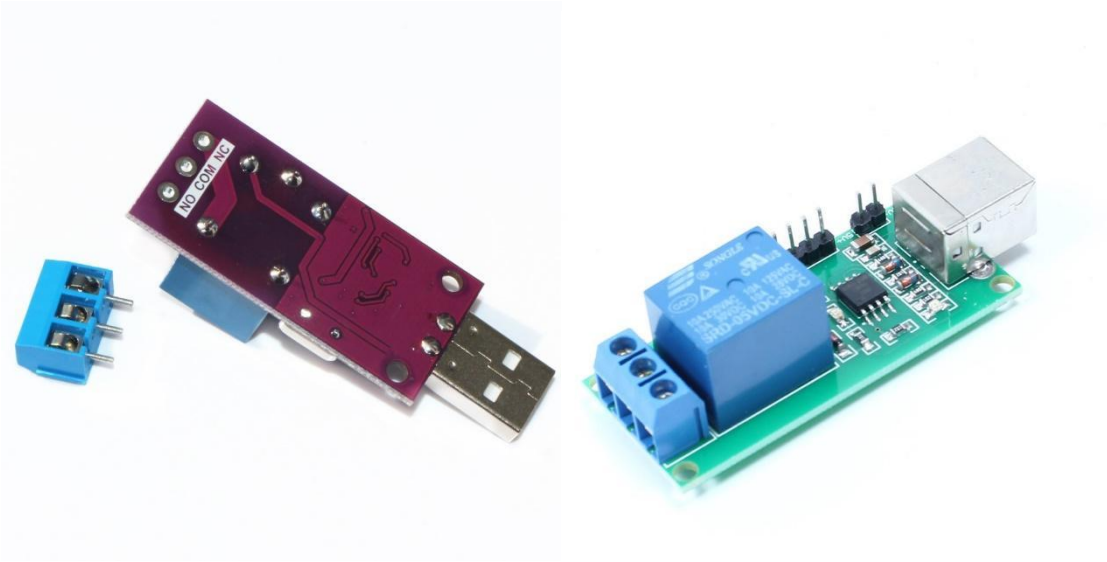
5V TWO 2 CHANNEL CH340 DELAY RELAY MODULE USB INTELLIGENT CONTROL SWITCH + MCU



Description:

USB Intelligent Control Relay is a dual intelligent controller, using the USB interface, can be directly inserted in the computer or other devices. Module using high-performance micro-controller chip, with over-current protection and relay diode freewheeling protection, and an LED to indicate the working state of the relay, communication baud rate defaults to 9600. The module has a variety of control methods, according to different circumstances, set different types of control.

Normal control mode: send commands to directly control the closing off, you can set the timer switch, the time after the arrival time, the relay state reversal.

Jog control mode: send closed command, closed for a short period of time (closing time in 0.5s or less) after the break

Mutually exclusive mode control: send the command, open and close, re-issued with the command, a closed one open, the two relay state is always the opposite

The control mode defaults to the normal control mode. It can change the control mode by command, and save the control mode after power failure.

Get the device into the USB interface, the computer will identify the device, in the device management display

If the display UNKNOW DEVICE, it is because there is no drive, you need to ch340 drive or ch341 driver, driver installation is complete, the new module will be inserted on it.

After opening the serial assistant, serial assistant on the Internet there are many types, one

Serial assistant can complete the function of sending commands, serial assistant to open later as shown, select the serial number you just used ch340 driver, which is COM X, set the baud rate of 9600, click to open the serial port.

(Above the use of the serial assistant can not be hot-swappable, unplug the device without closing the serial port, serial assistant will be stuck)

The next step is to send instructions, the command format is as follows.

Control command: (hexadecimal transmission, four bytes)

1. F0 A0 00 53 Relay 1 OFF command. In JOG control mode, this function is disabled.

2. F0 A0 01 53 Relay 1 closed command, the effect is different in different control mode

3. F0 A0 02 53 Relay 2 OFF command. In JOG control mode, this function is disabled.

4. F0 A0 03 53 Relay 2 closed command, in different control mode, the effect is different

5. F0 A0 NC 54 Select the control mode as normal control mode

6. F0 A0 NC 55 Select the control mode for jog control

7. F0 A0 NC 56 Select the control mode as the mutex control mode

8. F0 TH TL 57 Relay 1 In the normal control mode, set the timer time. The delay time is between 1 and 4500 seconds. After the delay time is reached, the current state of the relay is inverted. The timing time is TH * 256 + TL. Timing is a one-time, set up only once.

9. F0 TH TL 58 Relay 2 In the normal control mode, set the timer time. The delay time is between 1 and 4500 seconds. After the delay time is reached, the current state of the relay is reversed. The timing time is TH * 256 + TL. Timing is a one-time, set up only once.

10. F0 A0 00 52 Control command in mutex mode, both relay states are inverted at the same time

Product Specifications Product Features:

Voltage: DC-5V

Size: 50mm X 33mmX17mm

Maximum withstand current: 7A 240V | 10A 125V

Package Include:

1 × 5V Two 2 Channel CH340 Delay Relay Module USB Intelligent Control Switch + MCU