الحمـــادي للألكترونيـــات
ALHAMMADI FOR ELECTRONICS

One solid relay module (red)

Product introduction:

1. Omron 5V solid state relay 240V/2A, output with resistive fuse 240V/2A.

2. Size: 25*34*25 (L*W*H) 3. Input power: 5VDC4, input control signal voltage:

(0-2.5V state low relay ON) (3-5V status high relay OFF)

Module interface:

input part:

DC+: connect to the positive pole of the power supply (power supply according to the relay voltage)

DC-: connect to the negative pole of the power supply

CH1: signal trigger terminal of the relay module (low level trigger is effective)

High level and low level meaning:

High-level triggering refers to a positive voltage between the signal trigger terminal (CH) and the negative

terminal of the power supply, which is usually a triggering method in which the positive terminal of the power supply is connected to the trigger terminal, and when the positive voltage of the trigger terminal is reached or the triggered voltage is reached, the relay is engaged.

Low-level triggering refers to when the voltage between the signal trigger terminal and the negative terminal of the power supply is OV, or the voltage of the trigger terminal is lower than the voltage of the positive terminal of the power supply, and when it is low enough to trigger the voltage, the relay is engaged, which is usually a triggering method that connects the negative terminal of the power supply with the trigger terminal to make the relay engage.

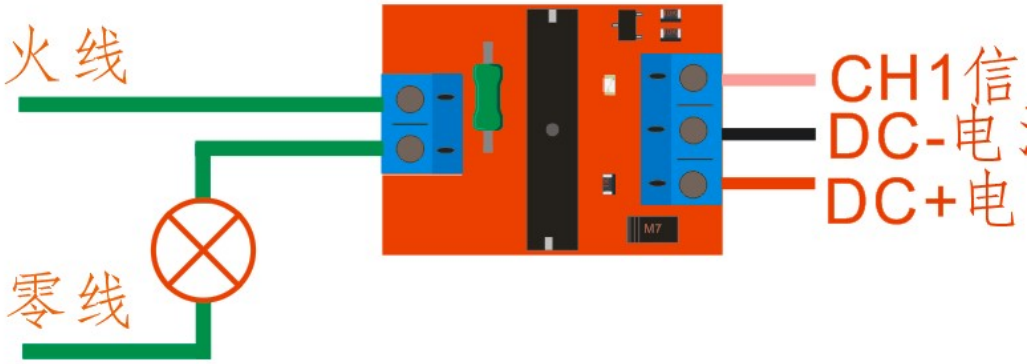
Electrical parameters:

voltage quiescent current working current trigger voltage trigger current 5V 0mA 12.5mA 3.3-5V 2mA

product instructions:

1. The power supply of the module: the power supply must be DC, and the voltage must be consistent with the voltage of the relay

2. Wiring method:



When there is a low level trigger at the signal trigger terminal, the relay will be turned on, and the device will work when there is power.

code:

```
int Relay = 8;
 void setup()
{
 pinMode(13, OUTPUT);               //Set Pin13 as output
 digitalWrite(13, HIGH);          //Set Pin13 High
 pinMode(Relay, OUTPUT);          //Set Pin3 as output
}
void loop()
{
      digitalWrite(Relay, HIGH);      //Turn off relay
      delay(1000);
      digitalWrite(Relay, LOW);        //Turn on relay
      delay(1000);
}
```