

## Relay Timer control Trigger

### Description:

Time can be adjusted by a potentiometer to meet the use of most of your occasions.

With Micro USB 5.0V power supply input, it is very convenient to use.

5-30V ultra wide power supply voltage.

Two trigger modes: external trigger and onboard buttons trigger.

It has a relay suction indicator.

Strong anti-interference ability, all kinds of interference under the relay will not be misoperation, suitable for industrial control.

Module features:

1. Working voltage: 5-30V wide voltage, two kinds of power supply interfaces: MicroUSB and welding terminals.

2. Working mode: after the module is powered, the output state of the module is as follows: normally open (NO) and public terminal (COM), and normally closed (NC) is connected with the public terminal (COM).

In the external contact (TRIG) to start a low pulse signal, or touch the trigger button instantly, the relay and the indicator light, the relay output state is normally open (NO) and the common end (COM) conduction, normally closed (NC) and the common end (COM) fault open, after 0-24 seconds (this time can be adjusted according to your needs) minutes after the relay is switched off, the relay back to the state before the trigger.

3. Time can be adjusted by the potentiometer, and the default is 0-24 seconds. If it takes longer, a larger capacitor (C2) or a potentiometer can be replaced by itself. The time delay formula:  $T = 1.1RC$ . For example, the capacitance 22uF resistance 1M is  $T=1.1*0.00022*1000000=24.2$  seconds.

4. Has a relay to absorb the indicator light.

5. Module can be controlled: 10A 250V (AC), 10A 30V (DC)

6. Has relay continuous flow protection.

7. The signal end of the module is designed to pull up and filter the circuit. It has strong anti-interference ability and is suitable for industrial control. Many

manufacturers have added optocoupler to isolate, but the module and the trigger signal are not isolated, and can not resist the anti-interference effect. After testing, it is found that the stability of the trigger terminal can be improved to resist interference. Whether the module is in the electromagnetic interference environment or the module is cut off, the relay will not cause any malfunction.

**8. Size: 5.4 x 1.9 x 1.8cm (L x W x H)**

Application:

- 1. Burglar alarm delay, building sound light control lamp switch and so on.**
- 2. The delay of vehicle equipment is connected to prevent the vehicle from overheating and burning the vehicle equipment when the car fires.**
- 3. Need a sequence to start the occasion to prevent a number of devices at the same time to start the current excessive burning of electrical appliances.**