

Product Parameters:

- Working voltage: DC12V Delay timing range: 0.1 seconds(min.) to 999 minutes (max.), adjustable
- Signal source: Positive side of power supply triggering, Button, PNP sensor, PLC signal
- Output ability: Can control the devices within DC 30V 5A or AC 220V 5A
- Quiescent current: 20mA
- Working current: 50mA
- Service life: More than 100,000 times
- Working temperature: -40 to 85 °C
- Dimension: 64.2*34.8*18.5mm

Product Features:

- Output adopts optocoupler isolation, which enhances the capacity of resisting disturbance power consumption.
- Industrial level circuit board.
- The set parameters will be memorized forever even after power off.
- Note: The output of the relay is passive contact, which output without electricity and control on/off of one circuit.

Product Functions:

- **P-1:** Signal triggering, the relay connects. When time is over, the relay disconnects. During the delay time
A: Triggering again is invalid;
B: Triggering again to re-timing;
C: Triggering again, the relay is reset and stops timing.
- **P-2:** Signal triggering, start timing time T1. When T1 time is over, the relay connects. Then when T2 time is over, the relay disconnects (reset)
A: Triggering again is invalid;
B: Triggering again to re-timing;
C: No need triggering again, start delaying when power is on.
- **P-3:** Recycle: when T1 time is over, the relay connects and then when T2 time is over, the relay disconnects, infinite loop. The value of T1 and T2 is adjustable.
If the value of pull in or disconnecting is 0, it can turn off the infinite loop

of delayed connecting or delayed disconnecting when power on.

A: The relay connects at once when power on;

B: The relay disconnects at first and then delayed connects when power on.

- **P-4:** If there is signal triggering, the relay connects and keeps connecting. When the signal is disappeared, start timing. When the time is over, the delay disconnects. During the delayed time, trigger the signal again, delaying stops, the delay keeps connecting. When the signal is disappeared, re-timing again.

Setting Instruction:

- **Mode setting:**

After power on, long press K1 button for about 2 seconds to enter into the mode choosing interface. Then short press K1 to choose P-1 to P-4 modes. After choosing the mode you want, short press K2 can enter into the mode you choose. After you choose the mode you need, short press K1 can switch A,B,C function setting.

- **Time setting:**

K2: Shift button, which can shift the flash place from one digit to others and then can use K3 to adjust the value of the flash digit. When finishing adjusting, press K2 to confirm the value and then the digital tube will not flash.

K3: When the digital tube flashes, K3 can adjust the value of the flashed digital tube, from 0 to 9. When the digital tube displays normal, K3 can adjust the place of decimal point. When the decimal point is on the place of the unit, it means 0-999 minutes. When decimal point is on the ten, it means 0-99.9 seconds. If there is no decimal point, it means 0-999 seconds.

Note: There are 2 groups of time need to be adjusted in P-2 and P-3 mode. Press K2 6 times for a loop. First three times is for adjusting one time and another three times is for adjusting the other time. (Blue light on means you are setting time of the relay connecting while the blue light off means you are setting the time of the relay disconnecting)