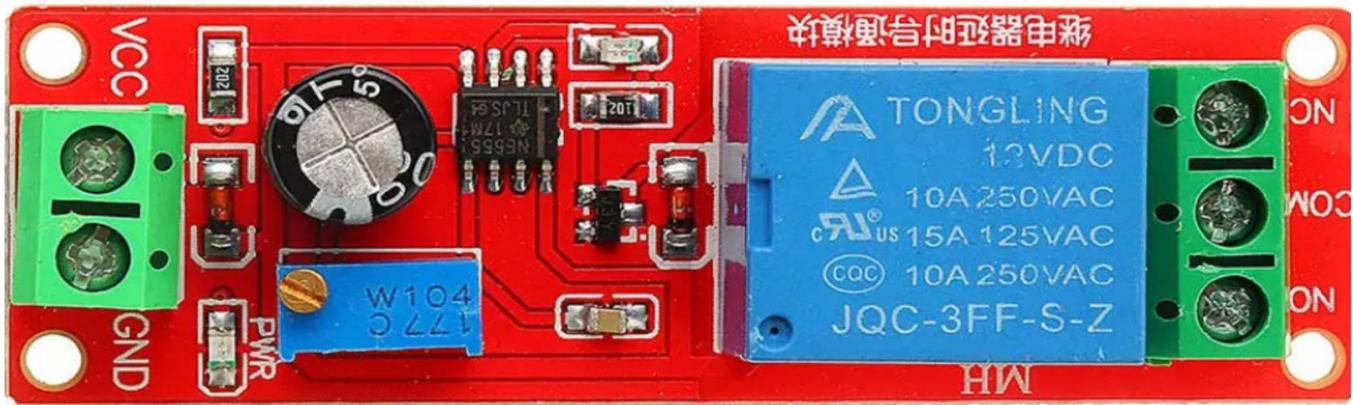


NE555 Chip Time Delay Relay Module Single Steady Switch Time Switch 12V

MODEL: HW-010 / 200224



Description:

1. Power ON delay relay. Specifically: after supplying 12V power supply to relay, relay will not switch ON immediately but delay for the time set. The state of output terminal are: Normally Open or Normally Closed; when the delay is 1-10S (adjustable), the relay will activate. At this time, the state of relay is: Normally Open will make contact and closed the circuit. Will remain closed until the power has been removed.
2. Adjustable delay time, (0-10 seconds)
3. Increasing potentiometer can increase delay time
4. Increasing capacitance C1 can increase delay time
5. Power ON Indicator LED will light when power is present.
6. Indicator LED when relay is active.
7. Relay contact rating: 250VAC @10A and 28VDC @ 12A. (Maximum Control Equipment 2000W)
8. Delay time formula: $T = 1.1RC$.

For example:

$$\begin{aligned} T &= 1.1RC. \\ C &= 100\mu\text{F} \\ R &= 100\text{k}\Omega \end{aligned}$$

$$\begin{aligned} &= 1.1 * 100000 * 0.0001 \\ &= 11 \text{ seconds} \end{aligned}$$

Feature:

Size: 6.8CM x 2.1CM
Main chip: NE555
Working Voltage: 12V DC