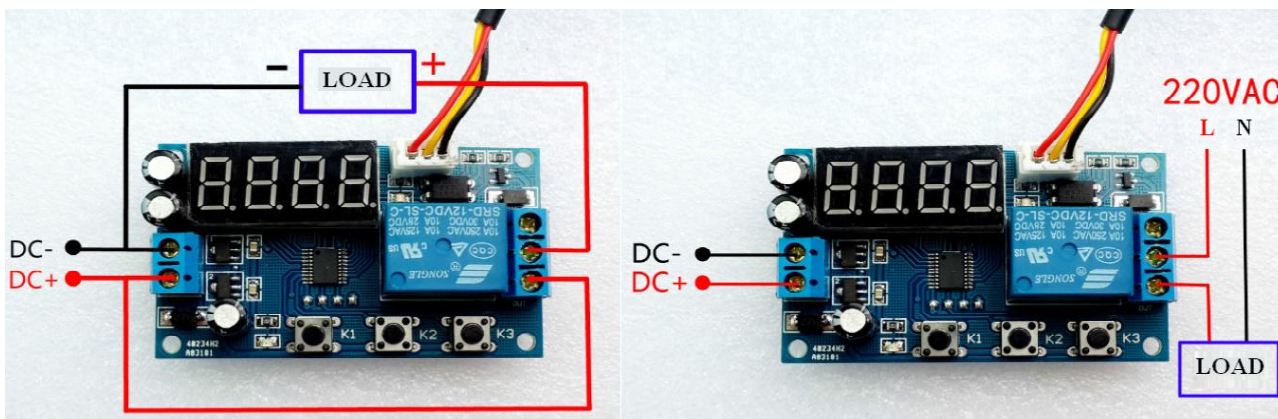# Shenzhen Global Technology Co., Ltd

Temperature sensor switch module with time delay

Model: YYW-1 / 180364

Iintroduction:

1 : Sensing range :-40.0~125.0℃

2 : Temperature limit setting : 0~125℃

3 : Delay time can be set to avoid output fluctuation, eg, setting 30C max, the switch will not cutoff immediately at 30C, it cut only if the temp stay above 30C within the delay time

4 : Resolution 0.1C,
Press K3 while in standby mode this can switch off the display to save energy

5 : Relay can control 5A, it does not provide voltage output.

Wiring diagram:

6 : **Wiring description:**
DC-: negative input of power supply **DC+:** positive input of power supply (connected to DC power supply 5V, 12V, 24V optional)
NC: Relay normally closed terminal   **NO:** Relay normally open terminal   **COM:** Relay common terminal

7 : **Detailed description of the function "P" functions:**
P-1: Cooling control: When the measured real-time temperature is less than T1, the relay is closed, and the relay disconnects if Temp is above T2;
P-2: Heating control: When the measured real-time temperature is higher than T2, the relay is closed, and the relay disconnects if temp is below T1;
P-3: Constant temperature control: When the measured real-time temperature is between T1 and T2, the relay is closed, and the relay is disconnected in other cases;
P-4: Constant temperature control: When the measured real-time temperature is between T1 and T2, the relay is disconnected, and the relay is closed in other cases;

8 : **Button setting instructions:**
K1: Press and hold for 2 seconds to enter the function setting or exit the function setting; short press to enter the upper and lower limit setting or delay time setting
In **P-1** to **P-4** mode: press **K1** digital tube to flash, **K2**, **K3** set the first set of threshold temperature **T1**, then press **K1** digital display to flash, **K2**, **K3** set the second set of threshold temperature **T2**; in **P-5** In mode: press **K1** digital display to flash, **K2**, **K3** set threshold temperature **T1**, then press **K1** digital tube to flash, **K2**, **K3** set delay time
K2: button up count
K3: button down count
K1: Press and hold for 2 seconds to enter the function setting or exit the function setting; short press **K1** to enter the upper and lower limit setting or delay time setting
In **P-1** to **P-4** mode: press **K1** digital tube to flash, **K2**, **K3** set the first set of threshold temperature **T1**, then press **K1** digital display to flash.
K2, **K3** set a second set of threshold temperature **T2**;
In **P-5** mode: press K1 digital tube to flash, **K2**, **K3** set threshold temperature **T1**, then press **K1** digital dispay to flash, **K2**, **K3** set delay time
K2: button up count

K3: button down count