



### XH-3001 Operating instruction

Measuring temperature range:-50~110° C

Controlling temperature range:-50~110° C

Controlling accuracy:0.1° C

Measuring input: NTC10K

Output type: output directly

Output capacity:MAX10A

Size:60\*45\*31MM

"▲": Press once to display the startup temperature, long press to set the startup temperature.

"▼": Press once to display the stopping temperature, long press to set the stopping temperature.

# 接线示意图

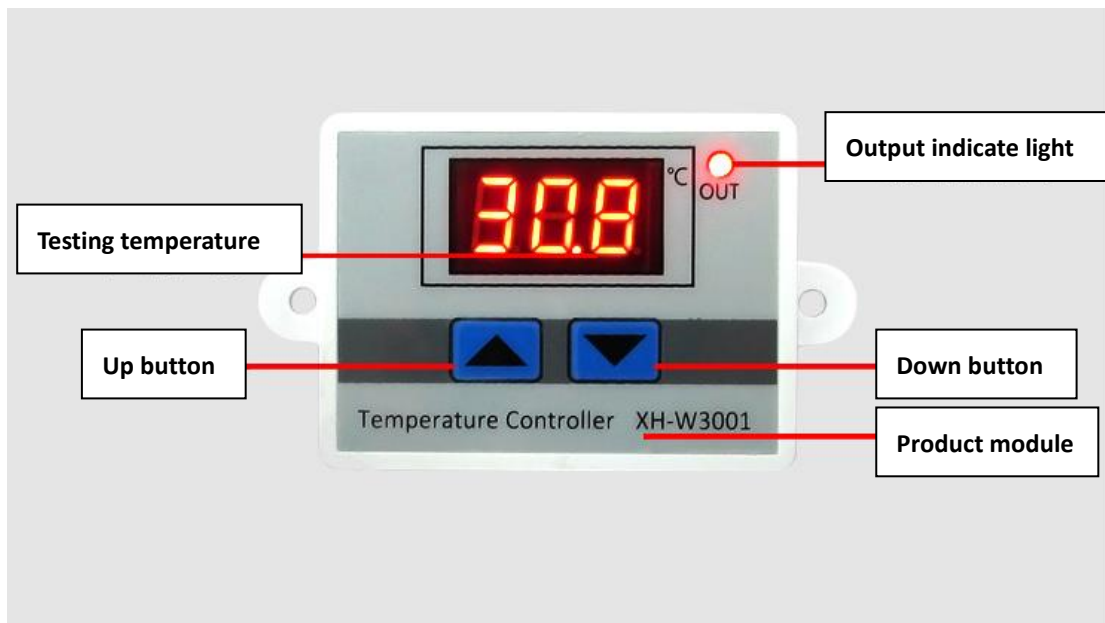
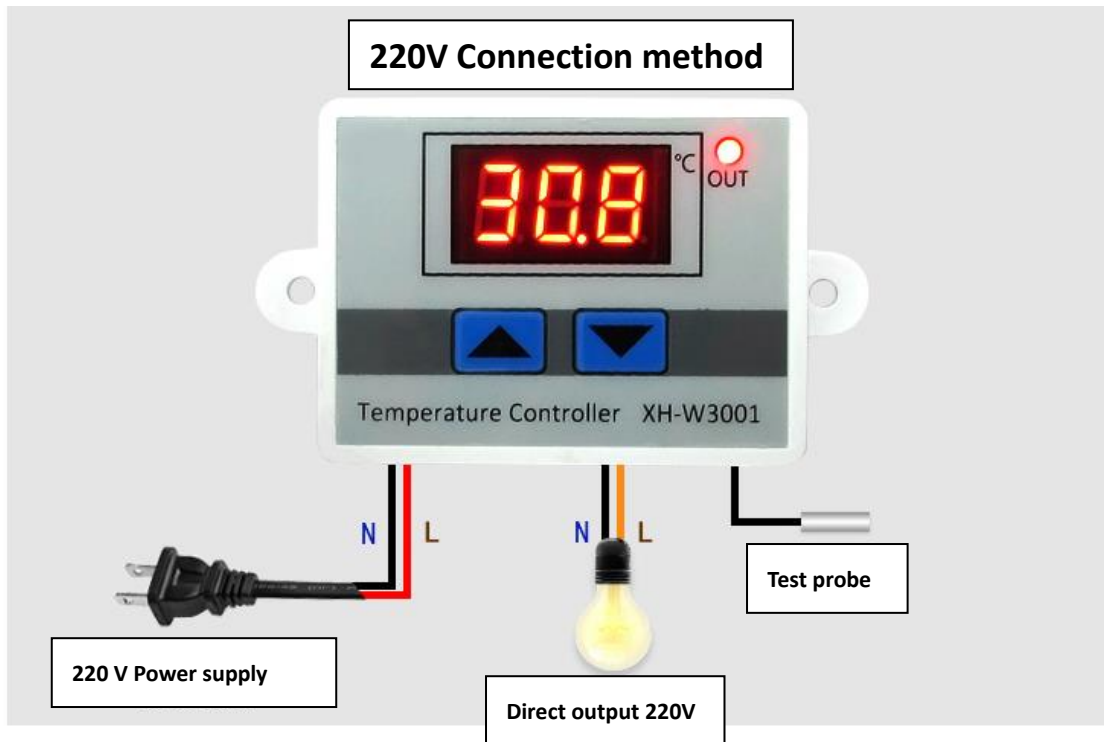
## CONNECTION DIAGRAM



### 12V/ 24V Connection method

Tips: W3001 of 12V/24V power supply, can use transformer or 12V/24V output DC current to supply power.

Attention: W3001 outputs directly, in order to prevent the two level of cable contact to fire , so please don't power on when the output port doesn't connect well and under load.



Operating instruction:

(1)Set startup temperature:

Press once the up button, display the startup temperature; long press about 3 seconds, startup temperature number will flash, you can use the up/down button to set the temperature you need.

(2)Set stopping temperature:

Press once the down button, display the stopping temperature; long press about 3 seconds, stopping temperature number will flash you can use the up/down button to

set the temperature you need.

(3)How to recover the factory setting?

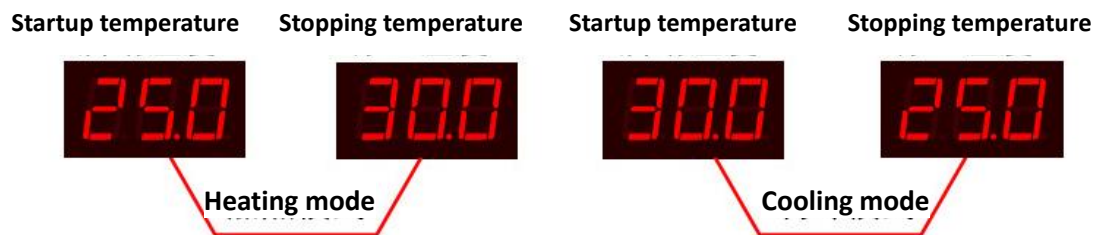
When power on, press the up and down button at the same time, after digital tube display "888" and turn to testing temperature, the factory can be recovered.

## Use case :

### Intelligent judgment of work mode

Startup temperature < stopping temperature= heating mode

Startup temperature > stopping temperature= cooling mode



### Heating mode setting method

**Setting point:** Startup temperature < stopping temperature (The program judge the working mode is heating mode automatically)

**Setting method:**

(1) Long press the up button until the startup temperature flashing, use up and down button to set the startup temperature.

(2) Long press the down button until the stopping temperature flashing, use up and down button to set the stopping temperature.

**Use case:**

Controlling water heater, stop heating when temperature is up to 65°C, start heating when temperature is down to 50°C, How to set ?

(1): Make sure the working mode is heating mode, startup temperature < stopping temperature.

(2): Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature is 50°C.

(3): Long press the up button until the stopping temperature flashing, use the up and down button to set the stopping temperature is 65°C, setting finish !

## cooling mode setting method

**Setting point:** Startup temperature> stopping temperature(The program judge the working mode is heating mode automatically)

**Setting method:**

(1) Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature.

(2) Long press the down button until the stopping temperature flashing, use the up and down button to set the stopping temperature.

**Use case:**

Controlling farm, stop ventilation when temperature is 26°C, start cooling again when temperature is up to 28°C, how to set?

(1) Make sure the working mode is heating mode, startup temperature>stopping temperature.

(2) Long press the up button until the startup temperature flashing, use the up and down button to set the startup temperature is 28°C.

(3) Long press the down button until the stopping temperature flashing, use the up and down button to set the stopping temperature is 26°C, setting finish !

**Tip:**

When set heating mode, if you set the temperature upside down carelessly, output indicate light doesn't bright, load doesn't work, after setting finish if appear above situation, you should check the setting temperature if upside down or not.



