STC-3028 Temperature Humidity Controller

English Manual

1. Overview

- With clear LED display for better readability.
- Temperature and humidity control output
- Very easy to set temperature and humidity
- All parameters setting can be saved after short circuit.

2. Specifications

- Power Supply:110V-220VAC
- Temperature controlrange:-20℃～80℃
- Humidity controlrange:1~99%RH
- Control accuracy: 1℃/1%RH
- Sensor: temperature humidity sensor
- Output: Max10A

3.Wiring Diagram
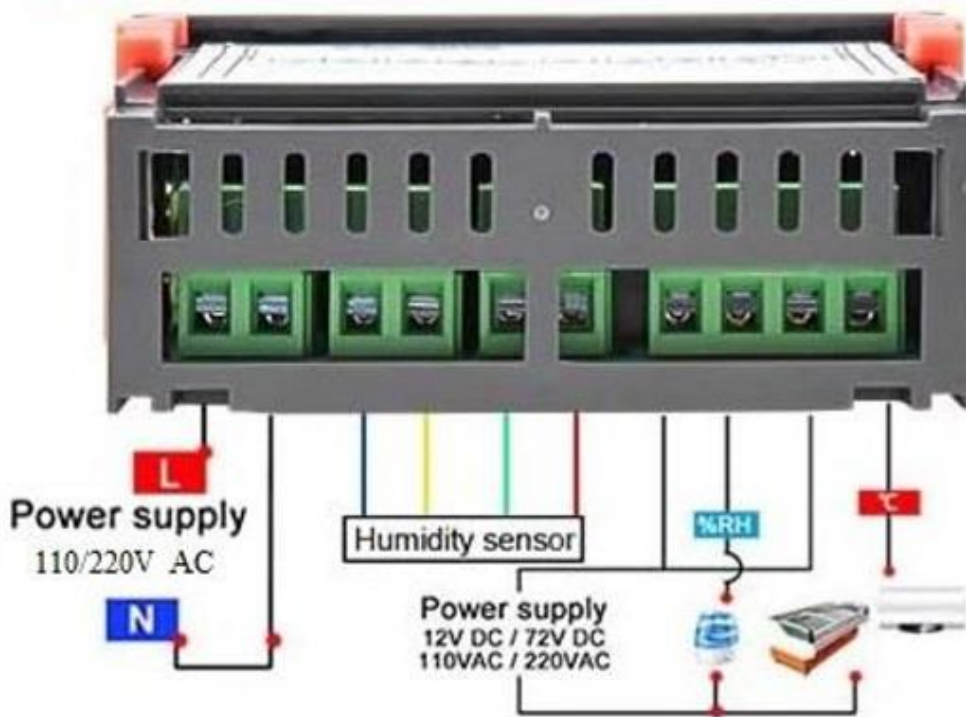
4. Key Instruction

- ⬆: increase value of start temperature
- ⬇: decrease value of stop temperature
- ⬆: increase value of start humidity
- ⬇: decrease value of stop humidity
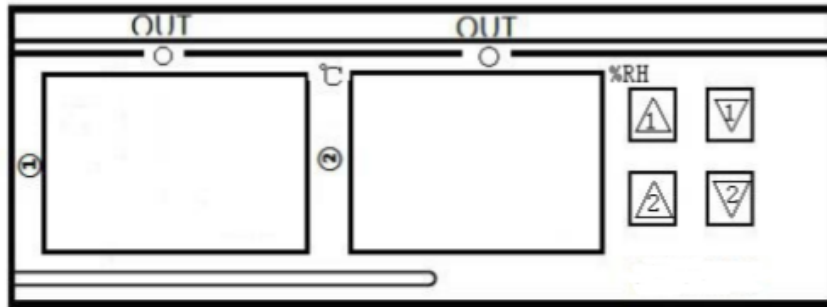
5. Key Operation Instruction

- **Temperature setting:**
- In normal working status, left led display real time temperature. press ⬆ key once. Red led display start temperature. press ⬇ key once. Red led display stop temperature.
- Hold ⬆ key for 3s. led flash,press ⬆ or ⬇ to change start temperature.
- Hold ⬇ key for 3s. led flash, press ⬆ or ⬇ to change stop temperature.

- **Humidity setting:**
- In normal working status, right blue screen display real time humidity. press ⬆ key once. Red led display start humidity. press ⬇ key once. Blue led display stop humidity.

- Hold ⬆ key for 3s. led flash,press ⬆ or ⬇ to change start temperature.
- Hold ⬇ key for 3s. led flash, press ⬆ or ⬇ to change stop temperature.

6. Operation Instruction

- **Cooling mode:**
- When set start temperature $\geq$ stop temperature, the controller will work in cooling mode.You can use cooler as load. For example, set start temperature 35℃， stop temperatre 32 ℃ . Cooler work when temperature $\geq$ 35℃,Cooler stop when temperature≤32℃

- **Heating mode:**
- When set start temperature $\leq$ stop temperature, the controller will work in heating mode.You can use heater as load. For example, set start temperature 45℃， stop temperatre 60 ℃ . Heater stop when temperature $\geq$ 60℃,heater work when temperature≤45℃

- **Dehumidification mode:**
- When set start humidity $\geq$ stop humidity, the controller will work in dehumidification mode. You can use dehumiditifier as load. For example, set start humidity 35%RH， stop humidity 15%RH. Dehumiditifier work when humidity $\geq$ 35%RH, Dehumiditifier stop when humidity≤15%RH

- **Humidification mode:**
- When set start humidity $\leq$ stop humidity, the controller will work in humidification mode.You can use humidifier as load. For example, set start humidity 45%RH， stop humidity 60%RH. Humidifier stop when humidity≥60℃, Humidifier work when humidity≤45℃

- **Reset:**
- In normal working status, hold ▽ and ▽, the two screen will display 888 to reset the controller.

- **Temperature and Humidity Calibration:**
- In normal working status, hold ⬆ and ⬇ for 2S to enter calibration mode of temperature. Press⬆or⬇to set value between -30~30.
- In normal working status, hold ⬆ and ⬇ for 2S to enter calibration mode of humidity. Press⬆or⬇to set value between -30~30.
- For example, the tested temperature display 25℃，but the real temperature is 30℃ , If we set value 5 , the tested temperature will change to display 30℃(25℃+5℃). If we set value -5 , the tested temperature will change to display 20℃(25℃-5℃)