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STC-3008 Temperature Controller



Product Specifications

- Model: STC-3008
- Output Indicator: Yes
- Setting Keys: Start setting key 1, Stop setting key 1, Start setting key 2, Stop setting key 2
- Display: Temperature 1, Temperature 2
- Setting Mode Entry: Press Up Button 1 and Up Button 2 simultaneously
- Features: Output 1 delay protection, Output 2 delay protection, High-temperature alarm, Low-temperature alarm
- Setting Range:
 - P0 – Output 1 delay protection: 0-60 minutes (Default: 0)
 - P1 – Output 2 delay protection: 0-60 minutes (Default: 0)
 - P2 – High temperature alarm: -55~120 (Default: 120)
 - P3 – Low temperature alarm: -55~120 (Default: -55)

Product Usage Instructions

Setting Mode Entry:

To enter the setting mode, press Up Button 1 and Up Button 2 simultaneously.

Output Indicator:

The output indicator will display the status of the respective outputs.

Temperature Display:

The device will display Temperature 1 and Temperature 2 on the screen.

Setting Keys:

Use the Start and Stop setting keys for setting and adjusting the parameters as needed.

Alarm Settings:

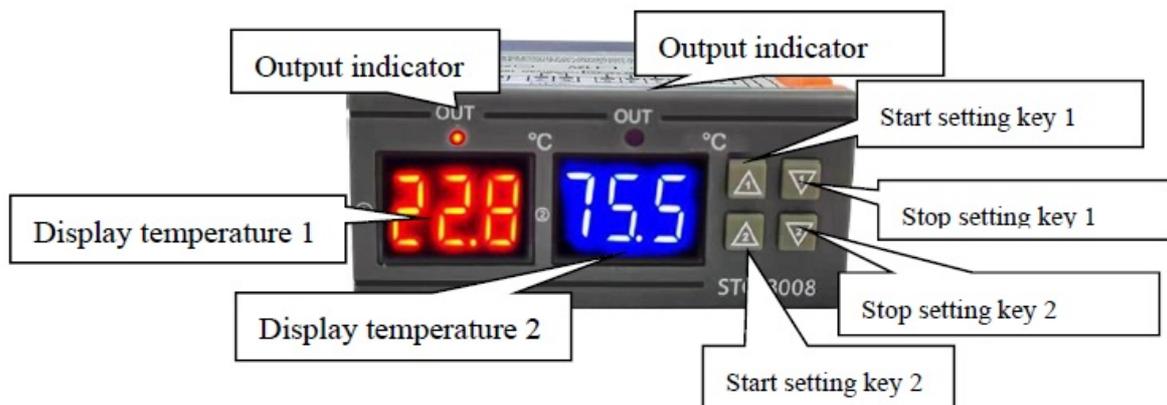
Adjust the high and low-temperature alarm thresholds within the specified range (P2 and P3).

Load Wiring Diagram:

Refer to the provided wiring diagram for the correct installation of the load.

Specifications

- STC-3008 manual
- Power supply: 110-220VAC \pm 10%, 50/60Hz (or DC12V / DC24V)
- Measuring and controlling temperature range: -55°C +120°C
- Resolution: 0.1
- Accuracy: \pm 1°C
- Relay output contact capacity: heating: 10A/240VAC, cooling: 10A/240VCA Sensor: NTC sensor, cable length 1 meter
- Shell material: gray ABS flame-retardant plastic shell



Press “Up Button 1” and (Up Button 2) at the same time to enter the setting mode.

Code	Features	Setting range	Defaults
P0	Output 1 delay protection	0-60 minutes	0
P1	Output 2 delay protection	0-60 minutes	0
P2	High temperature alarm	-55~120°C	120°C
P3	Low temperature alarm	-55~120°C	-55°C

Temperature heating setting instructions

Start temperature < stop temperature = heating mode

For example: How to set 25 to start heating and 30 to stop heating?

First (start temperature is lower than stop temperature, the default is heating mode) If it is to set the first set of temperature, press “up key 1” once to display the start temperature, then press “up key 1” for 3 seconds, adjust the up and down keys to 25°C, press “down key 1” to display the stop temperature, and then press Press the “Down key 1” button for 3 seconds to stop the temperature number flashing, and the required temperature can be adjusted to 30°C by the up and down keys. Set up

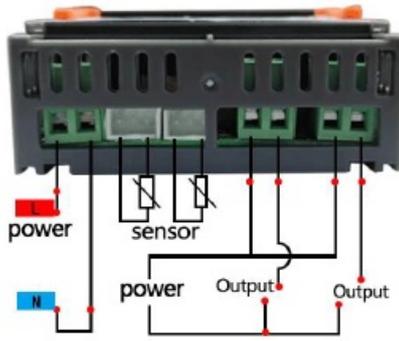
Temperature heating setting instructions

Start temperature > stop temperature = cooling mode

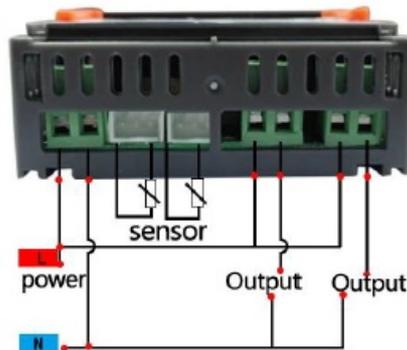
For example, it is required to start refrigeration above 50°C, and stop refrigeration below 45°C. How to set?

First (start temperature is greater than stop temperature, the default is cooling mode). If it is to set the first set of temperature, press “up key 1” once to display the starting temperature, then press “up key 1” for 3 seconds to adjust the up and down keys to 50 Press the “Down Button 1” to display the stop temperature, and then press the “Down Button 1” button for 3 seconds to stop the flashing of the temperature number. The required temperature can be adjusted to 45°C with the up and down buttons. Set up

Independent load wiring diagram



Same load wiring diagram



Frequently Asked Questions

- **Q: How do I adjust the delay protection settings?**

A: Use the respective setting keys (P0 and P1) to adjust the delay protection time within the range of 0-60 minutes.

- **Q: What should I do if the alarm thresholds need to be changed?**

A: Navigate to the high and low-temperature alarm settings (P2 and P3) and modify the values as required.

Documents / Resources



[STC STC-3008 Temperature Controller \[pdf\] User Manual](#)

3008, STC-3008 Temperature Controller, STC-3008, STC-3008 Controller, Temperature Controller, Controller

References

- [User Manual](#)

◆ 3008, controller, STC, STC-3008, STC-3008 Controller, STC-3008 Temperature Controller, Temperature

■ STC Controller

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