

STC-3008 dual display two-way thermostat

Description:

Switch the modes between cool and heat;
Control temperature by setting the temperature setting value and the difference value;
Temperature calibration;
Refrigerating control output delay protection;
Alarm when temperature exceeds temperature limit or when sensor error.

Technical Parameters:

Temperature measuring range: -55-120 Celsius
Accuracy: 0.1 Celsius
Sensor error delay: 1 minute
Power supply: DC 12V DC 24V AC 110-220V
Power consumption: <3w
Sensor: NTC sensor
Relay contact capacity: Cool (10A/240VAC); Heat (10A/240VAC)
Ambient temperature: 0-60 Celsius
Storage temperature: -30-75 Celsius

Set start up temperature:

Press the "up" button once to display the starting temperature. Long press the "up" button for about 3 seconds, The required temperature can be set by the up and down keys

Set the stop temperature:

Press the button once to display the stop temperature. Long press the button for about 3 seconds and the stop temperature number flashes. The required temperature can be set by the up and down keys

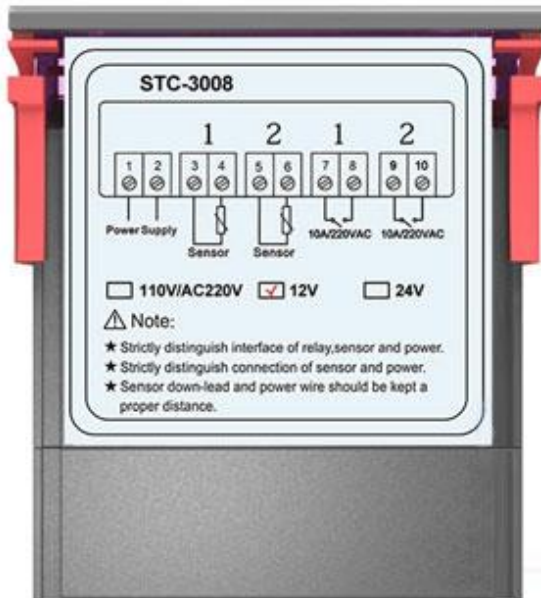
Press "Up 1" Button & "Up 2" Button at the same time to setting mode

Code	Function	Set Range	Default
P0	Compressor 1 delay time	0-60min	0min
P1	Compressor 2 delay time	0-60min	0min
P2	High temperature alarm value	55-120 ° C	120 ° C
P3	Low temperature alarm value	55-120 ° C	-55 ° C

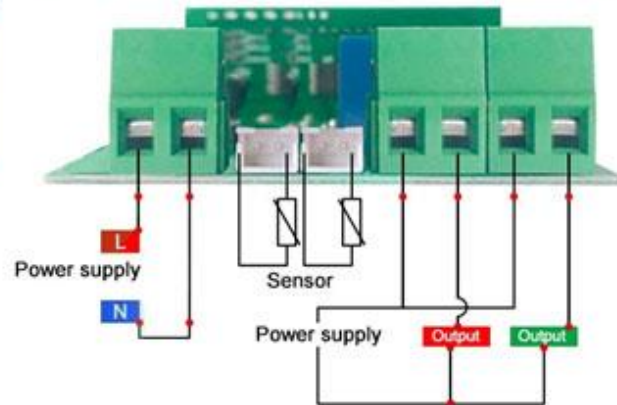
How to restore factory Settings

Press the "Down 1" and "Down 2" button at the same time, the factory setting is restored

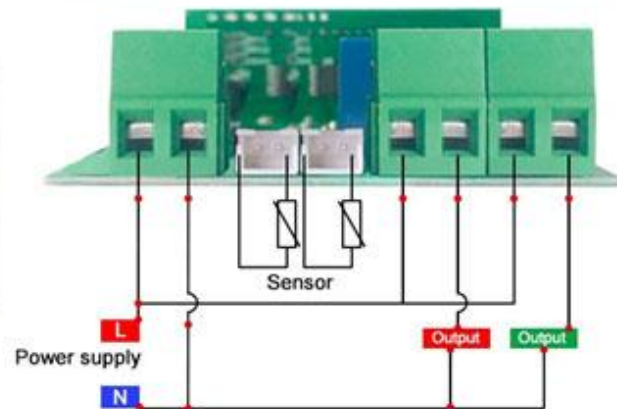
WIRING DIAGRAM



Connection 1: Independent power supply for load



Connection 2: Same power supply for load





* Parameter *

STC-3008 DUAL DISPLAY TWO-WAY THERMOSTAT	
Product name :	Microcomputer temperature controller
Product number :	STC-3008
Supply voltage :	12V 、 24V or 110-220AC (three voltage options)
temperature range :	-55℃ ~ +120℃
Temperature measurement accuracy :	±1℃
Line length :	1 meter
size :	75 mm * 85 mm * 35 mm
Applicable scenarios: various sensor control boxes, water heaters, freezer cabinets, fans (not limited to these devices)	

TEMPERATURE SETTING



Long press Δ 3 seconds, the first group start temperature flash (default 25 ° C) press the plus or minus button to adjust, long press ∇ 3 seconds, stop the temperature value flash (default 40 ° C) press the plus or minus button to adjust.

Long press Δ 3 seconds, the second group of dynamic temperature flashes (default 25 ° C) can be adjusted by pressing the plus or minus button, long press ∇ 3 seconds, stop the temperature value flash (default 40 ° C) press the plus or minus button to adjust.

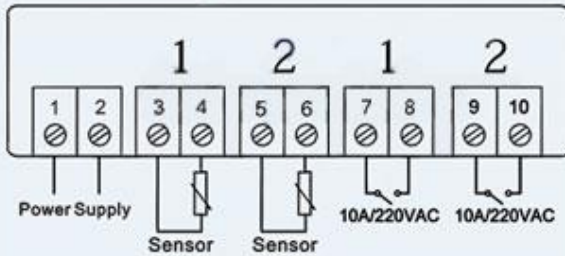
Press $\Delta\Delta$ button for 3 seconds at the same time to enter the setting mode, display P0, the first group temperature delay, press $\Delta\nabla$ to adjust, 0~60 minutes, default 0, after adjustment, press Δ since P1, the second group temperature Delay, press $\Delta\nabla$ to adjust, 0~60 minutes, default 0, after adjustment, press Δ since P2, high temperature alarm function, default 120 °C, press $\Delta\nabla$ to adjust, adjust, press Δ to enter P3, low temperature Alarm, default -55 °C, press $\Delta\nabla$ to adjust, wait for the second to automatically exit press $\nabla\nabla$ 3 seconds to reset to factory settings.



TERMINALS



STC-3008



☒ 110V/AC220V ☐ 12V ☐ 24V

⚠ Note:

- ★ Strictly distinguish interface of relay,sensor and power.
- ★ Strictly distinguish connection of sensor and power.
- ★ Sensor down-lead and power wire should be kept a proper distance.



SPECIFICATION AND SIZE

Front panel size: 75(L)x34.5(w)(mm)

Mounting size: 71(L)*29(W)(mm)

Product size: 75(L)x34.5(W)x85(D)(mm)

sensor length: 1m (include the probe)