



Amati STC-3008 Dual display two-way thermostat User Manual

[Home](#) » [AMATI](#) » Amati STC-3008 Dual display two-way thermostat User Manual

Contents [[hide](#)]

- [1 Amati STC-3008 Dual display two-way thermostat](#)
- [2 Main function](#)
- [3 Specification and size](#)
- [4 Technical parameters](#)
- [5 Panel instruction](#)
- [6 Key operation instruction](#)
- [7 Heating/ Cooling setting](#)
- [8 Wiring diagram](#)
- [9 Indicator light status instruction](#)
- [10 Safety Regulations](#)
- [11 Documents / Resources](#)
- [12 Related Posts](#)

A M A T I

Amati STC-3008 Dual display two-way thermostat



Main function

Dual display two-way thermostat, Switch the modes between cool and heat; Control temperature by setting the temperature set value and the difference value; Temperature calibration; Refrigerating control output delay protection; Alarm when temperature exceeds temperature limit or when sensor error.

Specification and size

- Front panel size: 75(L)x34.5(W)(mm)
- Mounting size: 71(L)x29(W)(mm)
- Product size: 75(L)*34. 5(W)x85(D)(mm)
- Sensor length: 1m(include probe)

Technical parameters

- Product Name: Dual display two-way thermostat
- Housing material: ABS gray flame retardant molded case
- Temperature measuring range:-55°C-120°C
- Power supply: 110-220VAC:10%, 50/60Hz (or DC12V/ Dc24V)
- Accuracy: 1 °C
- Temperature measurement accuracy: 0.1C
- Humidity measurement accuracy: 3%
- Output control: relay output
- Output power: MAX 10A
- Sensor: NTC 2

Panel instruction



Display instruction: Six-digit LED+ Minus digit+ Status indicator Light(Status indicator light(1,2)+Set indicator light(Set))

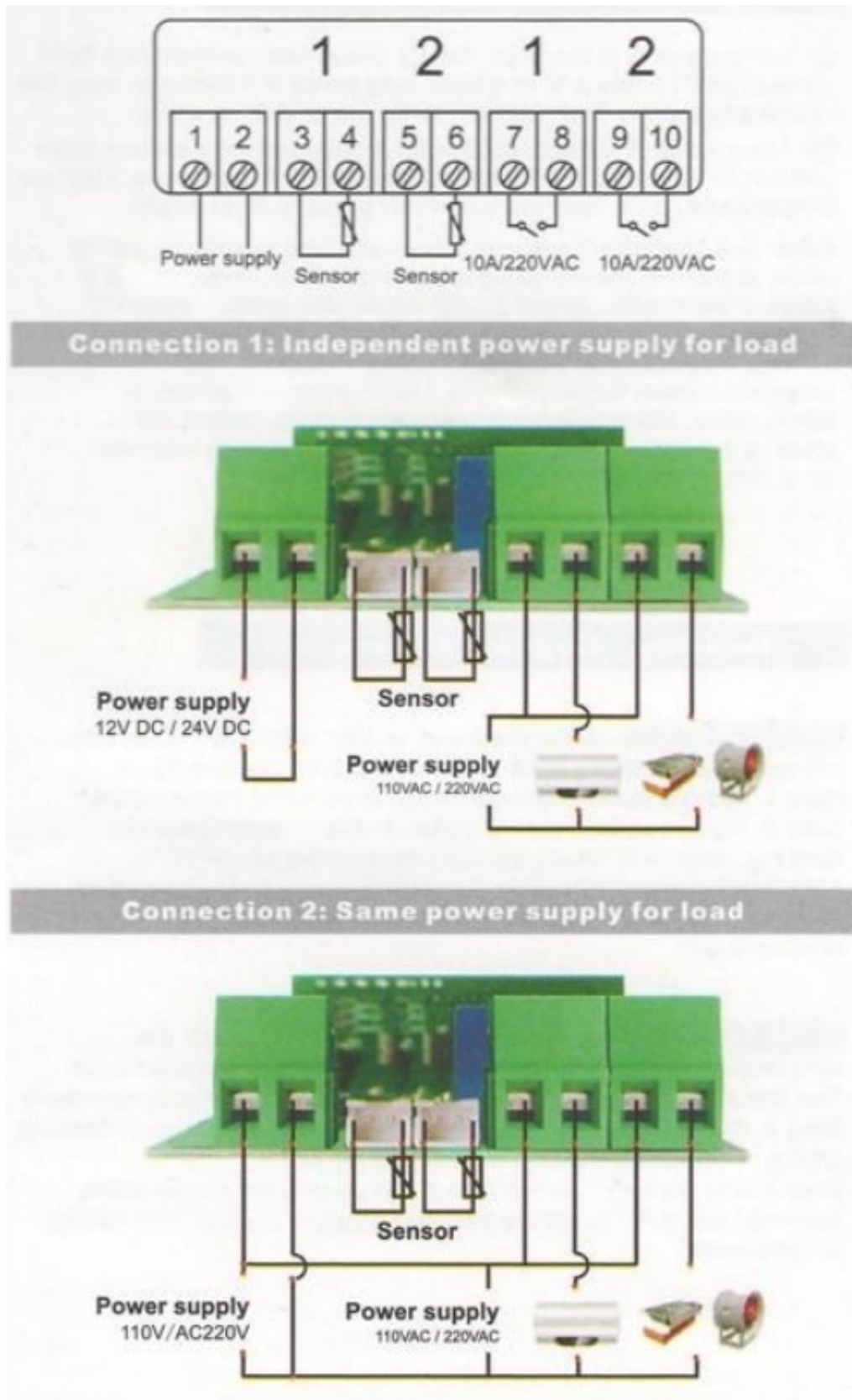
Key operation instruction

- Long press A 3 seconds, the O group start temperature flash (default 25°C) press Av to adjust, long press v 3 seconds, stop the temperature value flash (default 40°C) press AV to adjust.
- Long press A 3 seconds, the group start temperature flash (default 25°C) press AV to adjust, long press v 3 seconds, stop the temperature value flash (default 40°C) press AV to adjust.
- Press A A button for 3 seconds at the same time to enter the setting mode, display PO, the first group temperature delay, press adjust, 0-60 minutes, default 0, after adjustment, press sinde P1, thesecond group temperature Delay, press minutes, default 0, after adjustment, press sitce P2, high temperature alarm function, Default 120°Cpress adjust, press Ao enter P3, low temperature Alarm, default-55°C press AV to adjust, wait for the second to automatically exitpress 3seconds to reset to factory settings. NFadjust, 0-60 Aoadjust,

Heating/ Cooling setting

- CASE 1 Heating: control the water heater, heat to 65 Cto stop. the temperature drops back to 50 C and start heating again
- Step 1:heating mode, starting temperature <stop temperature
- Step 2: Press and hold the"A "button to start the temperature ashing. Use"A V"to set the starting temperature to 50 °C. Step 3: long press the"" button 3 seconds to stop the temperature flashing. Use"A V "to set the stop temperature to 65°C. The setting is completed!
- CASE 2: Cooling: the fan is ventilated to 26 C to stop, the temperature is raised to 30 Cand the ventilation is started again.
- The first step: cooling mode, starting temperature> stop temperature
- Step 2: Press and hold the"A "button to start the temperature flashing.
- Use"A V to set the starting temperature to 30 °C.
- Step 3:1ong press" button 3 seconds to stop the temperature flashing.Use" AV "to set the stop temperature to 26°C. The setting is completed!

Wiring diagram



Note: There is no voltage output from the output terminal of the thermostat, So the device needs to be connected to a power supply

Indicator light status instruction

Indicator light	Function	Note
Red light	① First group display	Cool,Heat indicator light can not be"on" status simultaneously
Blue light	② Second group display	
Set indicator light	On parameter setting status	

Error description

Alarm when sensor error: Controller activate the sensor error alarm mode when the sensor open circuit or short circuit, all the running status is closed off with the buzzer alarms, and the nixie tube displays"EE". press any key can cancel alarm sound, system back to display the normal temperature when the error and the fault is cleared.

Alarm when the measuring temperature exceeds temperature measuring range: Controller activates the error alarm function when the measuring temperature exceeds the temperature measuring range, all the running status is closed off with the buzzer alarms, and the nixie tube displays"HH", Press any key can cancel alarm sound, system back to display the normal working mode when the temperature restore to normal measuring range.

Safety Regulations

Danger:

1. Strictly distinguish the sensor down-lead, power wire and output relay interface from one another, and prohibit wrong connections or overloading the relay
2. Dangers: Prohibit connecting the wire terminals without electricity cut-off


Warning:

Prohibit using the machine under an environment of over damp, high temp., strong electromagnetism interference or strong corrosion.

Notice:

1. The power supply should conform to the voltage value indicated in the instruction.
2. To avoid the interference, the sensor down-lead and power wire should be kept a proper distance.

Documents / Resources

	Amati STC-3008 Dual display two-way thermostat [pdf] User Manual STC-3008 Dual display two-way thermostat, Dual display two-way thermostat, two-way thermostat
---	---