

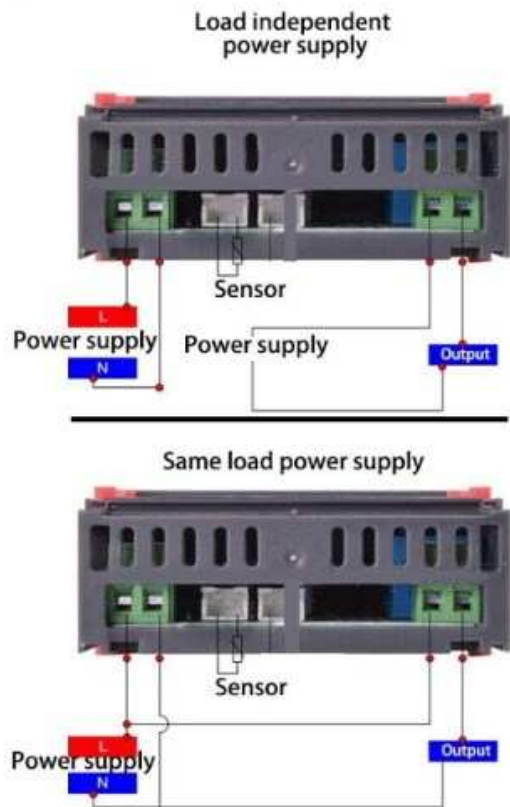


**EN:** This Datasheet is presented by the manufacturer.

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# STC-3018 Temperature Controller

## Wiring diagram



## Specifications:

- **Model:** STC-3018
- **Optional Voltage:** 12V/24V
- **Material:** ABS flame retardant plastic shell
- **Sensor:** NTC Sensor (line length 1 metre), 4mm diameter
- **Screen Display:** Dual Screen Dual Display
- **Size:** 75x34.5x85mm /3x1.4x3.3in
- **Temperature range:** -55°~+120°
- **Relay contact capacity:** max. 10A/240VAC; Heat max.10A/240VAC
- **Precision:**  $\pm 1^\circ$
- **Installation Opening:** 71 x 29mm / 2.8 x 1.1in
- **Weight:** 110g
- **Ambient Temperature:** 0~60°C
- **Relative Humidity:** 20%~85% (no condensation)
- **Resolution:** 0.1 °C
- **Power Consumption:** <3W



## Instructions

Press the RST (reset) button for 3s to start the thermostat. Press again for 3s to turn it off. When the power is applied, the thermostat switches on automatically.

Normal mode: The red digital display on the left shows the real-time temperature, the blue digital display on the right shows the set temperature (i.e. when to start the load device).

To establish the set temperature reference (blue display), press 'set once, the blue display will flash, then press up/down to set to the desired temperature (hold down the up/down button to quickly adjust temperature range).

Change settings: Pressing the 'S' button for 3s puts the Controller in the setting mode. The red display will show the setting code (see below codes: P0-P6); the blue display will show the codes parameters. Once you are in setting mode, use the up/down buttons to select the desired code on the red display, then press 'S' once; this will flash the blue display, where you can then adjust the parameters using the up/down buttons.

Tip: after a few seconds of no activity the controller will revert back to the normal display, so adjust the settings quickly!

| Code | Function                      | Default     | Set Range           |
|------|-------------------------------|-------------|---------------------|
|      | Start or Stop Temperature     | 0°C/68°F    | -50~120°C/-58~248°F |
| P0   | Working mode                  | H           | H/C                 |
| P1   | Difference set value          | 2           | 0.2-10              |
| P2   | High temperature alarm value  | 80°C/176°F  | -50~120°C/-58~248°F |
| P3   | Low temperature alarm value   | -50°C/-58°F | -50~120°C/-58~248°F |
| P4   | Temperature calibration value | 0           | -10.0°C~10.0°C      |
| P5   | Compressor delay time         | 0           | 0-60 Min            |
| P6   | Display mode                  | C           | C/F                 |

