

W3002 Microcomputer Temperature Controller Manual



设置参数表

code	describe	set range	Factory settings
P0	Start temperature	-50-110℃	00
P1	Stop temperature	-50-110℃	00
P2	temperature correction	-10-10℃	0℃
P3	Delay start	0-10 minute	0 minute

Code and Function Introduction

PO - Set Starting Temperature

Press the setting button once to enter the internal menu. The default display is P0. Press the setting button again, and use the up and down keys to set the required starting temperature.

P1 - Set Stopping Temperature

Press the setting button once to enter the internal menu. The digital display is 0. Use the up and down keys to switch to P1. Press the setting button again, and use the up and down keys to set the required stopping temperature.

P2 - Set Temperature Calibration

Enter the internal menu in the same way. Use the up and down keys to switch to P2. Press the setting button again, and use the up and down keys to set the required calibration temperature. During the setting, if the detected temperature value is 0.5 degrees higher than the actual temperature value, the calibration temperature to be set is -0.5 degrees. If the detected temperature value is 1 degree lower than the actual temperature value, the calibration temperature to be set is 1

degree. Detected temperature + calibration temperature = actual temperature.

P3 - Set Delayed Start

Enter the internal menu in the same way. Use the up and down keys to switch to P3. Press the setting button again, and use the up and down keys to set the required delay time (unit: minutes). Delayed start is generally used for compressor refrigeration. If it is used for refrigerators or freezers, this value needs to be set. Generally, the set value is 3 - 6 minutes according to the compressor back pressure. If you are not using it to control the compressor or do not need the delayed start function, skip this item directly.

Heating Mode Setting Method

Setting Essentials: Start temperature < Stop temperature (the program automatically determines the working mode as the heating mode)

Setting Method: Press the setting key to enter the internal menu. Set the start temperature by setting the P0 value, and set the stop temperature by setting the P1 value.

Usage Example:

How to set up when controlling a water heater, which stops heating when it reaches 50° C and starts heating again when the temperature drops back to 40° C?

First step: Determine the working mode as the heating mode, and start temperature < stop temperature.

Second step: Press the setting key to enter the internal menu, select P0 and press the setting key, and set the P0 value to 40° C.

Third step: Press the setting key to enter the internal menu, select P1 and press the setting key, and set the P1 value to 50° C.

Refrigeration Mode Setting Method

Setting Essentials: Start temperature > Stop temperature (the program automatically determines the working mode as the refrigeration mode)

Setting Method: Press the setting key to enter the internal menu. Set the start temperature by setting the P0 value, and set the stop temperature by setting the P1 value.

Usage Example:

How to set up when controlling a cabinet radiator, which stops cooling when it reaches 26° C and starts the radiator again when the temperature rises back to 30° C?

First step: Determine the working mode as the refrigeration mode, and start temperature > stop temperature.

Second step: Press the setting key to enter the internal menu, select P0 and press the setting key, and set the P0 value to 30° C.

Third step: Press the setting, enter the internal menu, select P1 and press the setting key, and set the P1 value to 26° C.

Common Faults:

When setting the heating mode, if the set temperature values are accidentally reversed, the output indicator will not light up and the load will not work. If the above situation occurs after the setting is completed, you can check whether the set temperature values have been reversed.

How to Restore Factory Settings:

When powered on, hold down the up and down keys simultaneously for about 3 seconds. After the digital tube shows 888, it will automatically jump to the detected temperature, which means the

factory settings have been successfully restored.

Digital Tube Displays LLL:

If the digital tube shows LLL during use, it indicates a sensor failure. Inspect the sensor or replace it.

Digital Tube Displays HHH:

If the digital tube shows HHH during use, it means that the measured temperature exceeds the measurement range. You can change the usage environment.