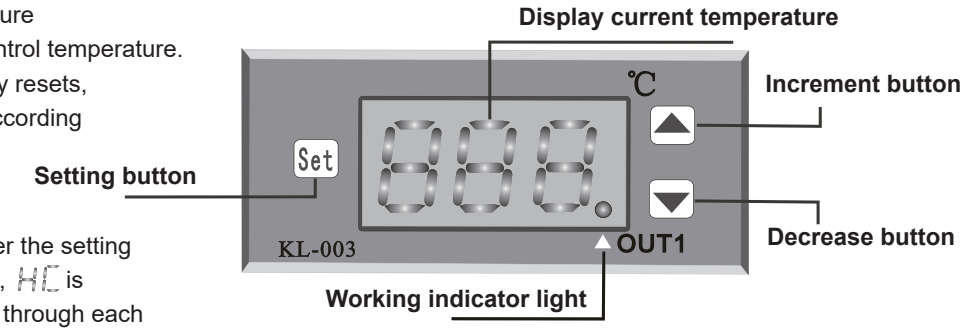
Thermostat Operating Instructions

Technical Parameter:

1. Working Voltage: AC220V ±10% 50HZ
2. Output Load: 220V/5A
3. Power Consumption: ≤3W
4. Working Environment: -10°C ~ 50°C Rh≤95%
5. Input Signal: all the way temperature sensor.
6. Output Control: all the way temperature control
7. Control Range: heating control range 0 ~ 120°C
   cooling control range -45~50°C
8. Resolution: 1°C Accuracy: ±1°C
9. Overall Size: 76(width)X34(height)X62(depth)(mm)
10. Hole Size: 71(width)X29(height)(mm)

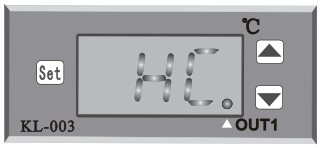
Operation Introduction

Step 1: Press Set to display control temperature
Step 2: Press ▲ or ▼ key change the control temperature. After the setting is completed, it automatically resets, displays the current temperature and runs according to the new setting parameters.



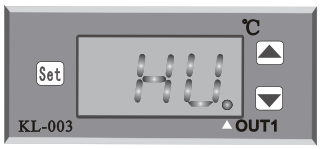
Control Program Introduction

Press Set and hold on for six seconds to enter the setting program. When entering the setting program, HC is displayed. Press the Set button once to cycle through each menu. After selecting a menu, press ▲ or ▼ key to reset the settings according to the menu parameters of HC-HU-SC-St



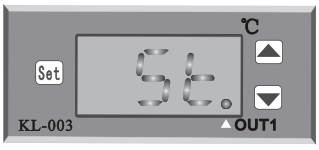
Long press Set to enter the menu, then press the ▲ or ▼ key to select H C

H stands for heating mode
C stands for cooling mode

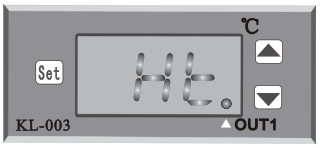


Press and hold Set key to enter the menu, press Set key again to display HU, and then press ▲ or ▼ to reset the hysteresis temperature parameters.

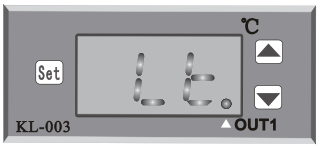
Press and hold the Set key to enter the menu, press the Set key twice to display SC, and then press the ▲ or ▼ key to correct the displayed temperature.



Press and hold the Set key to enter the menu, press the Set key three times to display St, and then press the ▲ or ▼ key to reset the parameters of the startup delay time.

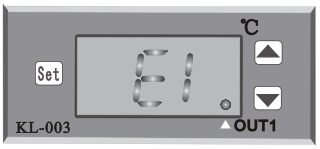


Press and hold the Set key to enter the menu, press the Set key four times to display Ht, and then press the ▲ or ▼ key to reset the upper limit parameters.



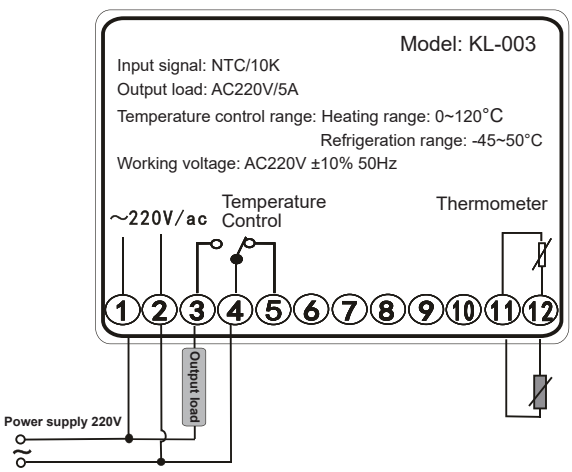
Long press the Set key to enter the menu, press the Set key five times to display Lt, and then press the ▲ or ▼ key to reset the lower limit parameter.

Fault Code Display



Sensor self-test:
When the sensor is open or shorted Display E1 code.

Temperature Control Wiring Diagram



Program Parameter Diagram

Symbol	Function Content	Predetermined Area	Factory Settings	Unit
HC	Heating/cooling	H/C	C	
HU	Temperature return difference	1~30	2	°C
SC	Temperature correction	-10~10	0	°C
St	Delay time	0~5	1	Minute
Ht	Upper limit	Setting value~ highest range	100	°C
Lt	Lower limit	Setting value~ lowest range	-45	°C

Parameter Setting Operation:

Control temperature settings: When the current temperature is displayed, lightly press the Set key, and then press the ▲ or ▼ key to reset the new temperature control parameters. After the setting is completed, the temperature will be automatically memorized and displayed.(Stop working when the temperature reaches the temperature set value)

HC Cooling/heating mode selection: long press the Set key, when the digital display shows HC, then press the ▲ or ▼ key to change the cooling or heating control mode. (Press the ▲ key to select heating H , press the ▼ key to select cooling C)

HU Temperature return difference value: long press the Set key. When the digital display shows HC, press the Set key. When the HL code is displayed, press the ▲ or ▼ key to set the new temperature return difference value. After the setting is completed, the system will automatically run according to the range you set. (That is, it stops working when the temperature reaches the set value. In C cooling mode, it starts running when the temperature reaches the set value plus return difference value. In H heating mode, it runs when the temperature reaches the set value minus return difference value.)reaches the set value, minus the difference.)

SC Temperature correction: long press the Set key. When the digital display shows HC, press the Set key two times. When the SC code is displayed, press the ▲ or ▼ key to correct the measured temperature value.

St Delay time: long press the Set key, when the digital display shows HC, press the Set key three times, when the St code is displayed, press the ▲ or ▼ key to set the delay protection parameters. (This function prevents the machine from working instantaneously and over-frequency)

Ht Upper limit: long press and hold the Set key. When the number displays HC, press the Set key four times. When the Ht code is displayed, press the ▲ or ▼ key to set the upper limit parameter.

Lt Lower limit: long press the Set key. When the digital display shows HC, press the Set key five times. When the Lt code is displayed, press the ▲ or ▼ key to set the lower limit parameter.

Notice:

1. When setting the upper limit parameter value under cooling, the set parameter should be greater than the sum of the set temperature value plus the hysteresis temperature value.(Example: When the set temperature is 20°C and the temperature return difference is 5°C, the upper limit parameter setting should be greater than 26°C)

2. When setting the upper limit parameter value under heating, the set parameter should be greater than the set temperature value.(For example, when the set temperature is 20°C, the upper limit parameter setting should be greater than 21°C)

3. When using the upper and lower limit function menu, modify the upper and lower limit parameters. The temperature control setting parameters can only be modified within the upper and lower limits.

4. When the sensing line needs to be extended during the installation process, use shielded wire for the extended part.

Precautions for use and installation:

1. Please read the instruction manual of this product in detail, strictly follow the wiring diagram to connect the 220 V/AC power supply, sensor wires and control wires to the corresponding terminals, and check that they are correct and tighten all the terminal screws again. Then power on and run again. Otherwise, incorrect wiring will affect the use and control, and may even cause the temperature control or chip to burn out.

2. When using this product, try to avoid using it in humid environments with corrosive gases and strong magnetic fields, otherwise it will affect the normal use of this product.

3. This product has been strictly inspected before leaving the factory. If there is a quality problem, the factory will provide a one-year warranty. The liability is limited to the product itself. Damage caused by self-disassembly or improper use is not covered by the warranty.