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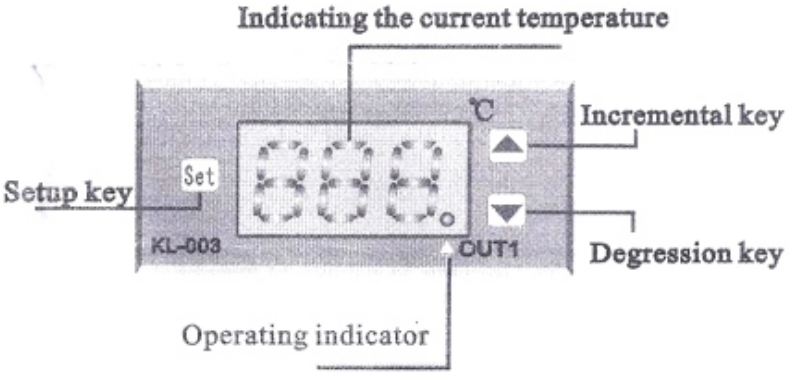
KL-003Microcomputer Temperature Controller Operating Instructions

Technical data:

1.Operating Voltage: AC220V ±10% 50HZ.
2.Output Load:: 220V/5A
3.Power Consumed: ≤3W
4.Operating environment: -10℃~50℃ Rh ≤ 95%.
Input Signal: One way for temperature sensor, one way for switch testing.
6.Output Control: One way for temperature control
7.Control Range: Heating control range: 0~120℃;
Cooling control range: -45~50℃.
8.Resolving Power: 1℃ Precision: ±1℃.
9.Dimensions of the whole machine: 76 (W) x 34 (H) x 62 (D)(mm).
10.Dimensions of the hole: 71 (W) x 29 (H) (mm).

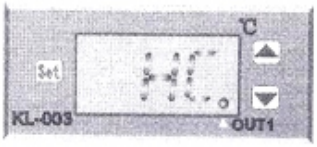
Operating principle Control temperature setup

The first step: Slightly press Set to indicate the temperature control
The second step: Press ▲ or ▼ to modify the temperature control. After the setup is set, it will return to the original status and indicate the current temperature, and operate according to the newly set up data.

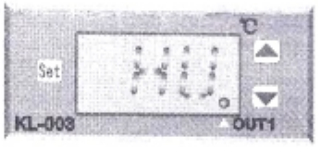


Introduction to the control procedure

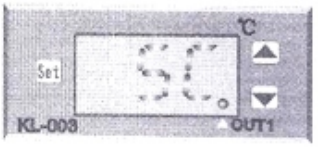
Enter the set up procedure by pressing the Set key for 6 seconds, when entering the set procedure, it will indicate HC. Pressing Set key can select various menus, when the menu is chosen, pressing ▲ or ▼ key can reset the data from HC-HU-SC-St-HL-LL .



Entering the menu by keeping pressing Set , and then press ▲ or ▼ to select H C .
H stands for Heating mode
C Stands for Cooling mode



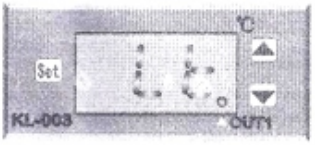
Entering menu by keeping pressing on Set ,and thenpress Set once to indicate ,press HU again ▲ or ▼ arrow key to reset thedata of return difference temperature.



Entering the menu by keeping pressing on the Set key, and then press the Set key twice to indicate SC, press ▲ or ▼ arrow key to calibrate the temperature indicated.

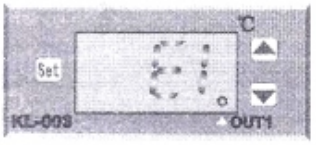
Entering the menu by keeping pressing on the Set , and then press the Set key 3 times to indicate St; and then press ▲ or ▼ arrow key to reset the data for starting the delayed time.

Entering the menu by keeping pressing on the Set , and then press the Set key 3 times to indicate HL; and then press ▲ or ▼ arrow key to reset the data of starting the delayed time.



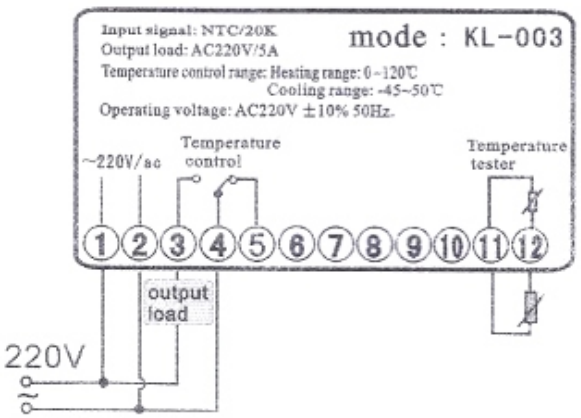
Entering the menu by keeping pressing on the Set , and press the Set 5 times to indicate LL; and the press ▲ or ▼ arrow key to reset the data of lower limit and super low temperature.

Malfunction code



Sensor self check:
When the sensor is open circuit or short circuit , E1 code indicated.

Temperature controller wiring diagram



Procedure data diagram

Symbol	Function	Setup range	Original setup	Unit
HC	Heating/cooling	H/C	C	
HU	Temperature return difference	1~30	2	℃
SC	Temperature calibration	-10~10	0	℃
St	Delay time	0~5	1	Minute
HL	upper limit	Setup value The highest measure range	100	℃
LL	lower limit	Setup value The lowest measure range	-45	℃