

## FC-04 series temperature control meter instruction manual

The meter has international standard External dimension and 3-key gentle push-switch setting, single row, 3-LED display, and ON/OFF adjustment, high control precision, temperature error can correct.

### I Main technical specification

1. Input type: Pt-100
2. Temperature display range : 0-99.9°C
3. Accuracy: ±0.5FS
4. Relay output contact capacity: 240VAC 3A /30VDC 1A(resistance load)
5. External dimension (mm): 76 x 34 x 72
6. Hole size (mm): 71 x 29
7. Working power: 110~242VAC, 50/60 Hz power is less than 3W
8. Work environment: temperature 0~50.0°C, relative humidity ≤ 85%RH, without corrode and strong electric radiation.

### II Parameter code

Series	Attention	Name	Setting range	Remark	Factory	
-	0	<i>SP</i>	Appointed data	Determined by <i>SPL, SPH</i>	Pres ▲ or key ▼ 3s can revised appointed data	100
1	<i>Loc</i>	Electronics lock	0~50	When <i>Loc</i> = 0, only the setting value can be revised; When <i>Loc</i> = 18, all parametars can be revised	18	
2	<i>SC</i>	Measurement deviation	±20.0	Measuring value can be modified through increasing or decreasing this data	0	
3	<i>HY</i>	control by drop in level	0~50,0	-	0.5	
4	<i>CoL</i>	System function choice	0~1	0 : reverse control (heating control) 1: positive control (cooling control)	0	
5	<i>SPL</i>	Range lover limit	origin ~ <i>SPH</i>	-	-	
6	<i>SPH</i>	Range uper limit	<i>SPL</i> ~ full range	-	-	

### III Operate method:

1. Fixed value setting:

Press ▲ or ▼ key 3 second, fixed value and "*SP*" display by turns, press ▲ or ▼ key to adjust, press SET key save it and exit.after 10 second later, you not press any key autosave and exit.

2. parameter setting :

Press SET key 3 second, enter into parameter setting state,the parameter code and parameter value display by turns, press ▲ or ▼ key to adjust, press SET key save it and exit.after 10 second later, you not press any key autosave and exit.

**IV Control method:**

**Heat: (when the parameter of COL choice 0)**

When the measure value < (Fixed value -  $HH$ )

output relay connect and the output light lighten, the heating is working;

When measure value > (Fixed value +  $HH$ )

output relay disconnect and the output light not lighten, the heating layoff;

**Cool: (when the parameter of COL choice 1)**

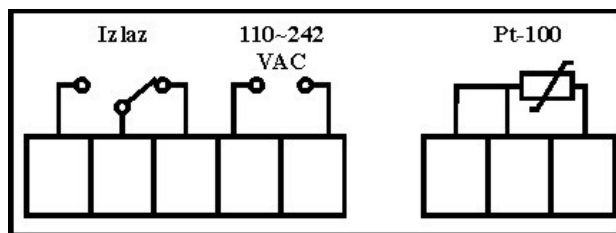
When the measure value > (Fixed value +  $HH$ )

output relay connect and the output light lighten, the cooling equipment is working;

When the measure value < (Fixed value -  $HH$ )

output relay disconnect and the output light not lighten, Cooling equipment layoff.

**V Connection scheme( consult)**



**VI Fault Analysis and Cle.arance**

The meter adopt advanced production process, and have the strict test before leaving factory, it improve the reliability of the meter. The usual fault caused by the wrong operation or parameter setting. If you find the fault couldn't be cope with, please record it, and contact with the agent or us.

**Common fault handling**

Fault symptom	Analysis of causes	Disposal measurement
Abnormal power	1. poor contact of power cord 2. power switch without lose	Check the power
Signal display do not correlate with the facts. (display 'HH' or '0')	1. Sensor model mismatch 2. wrong signal connection	1. check sensor model and meter interior input parameter 2. check signal wire
Abnormal output control	wrong connecting output wire	check output connection

**Remark:**

Our company will improve product technology, design and specification, it is confirm to the object. Statement of meter's parameter attention letter and English letter

A	B	C	D	E	F	G	H	I	J	K	L	M
A	b	C	d	E	F	G	H	I	J	K	L	M
N	O	P	Q	R	S	T	U	Y				
n	o	P	q	r	S	t	u	y				