T-SERIES

TEMPERATURE CONTROLLER

INSTRUCTION MANUAL

Tnank you for purchasing This T-series temperature ,This manual primarily describes Precaution required in Installing and wiring the Temperature Controller. Before operating The product, read this manual tnrough to acquire sufficient Knowledge of the product.
Keep this manual close at hand and use for

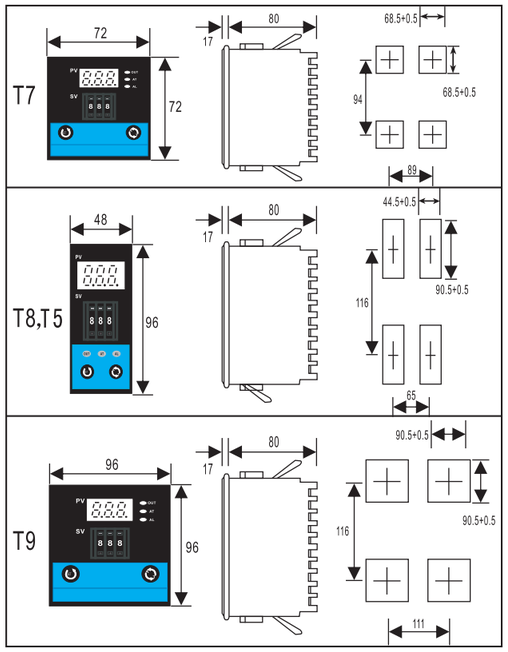
1、Do not use the product in places where explosive or flammable gases may be present.
2、Make sure that the load power supply is within the rating, Be sure to wire properly with correct polarity of terminal.
3、Never disassemble, modify or repair the product.
4、For correct use, Do not subject the temperature Controller to the following conditions.
4.1 Places where temperature flutuates dramatically.
4.2 Places where humidity is high and condensation may occur.
4.3 Places where there is danger of splashing of water oil or any chemicals.

2,GENERAL CHARACTERISTIC

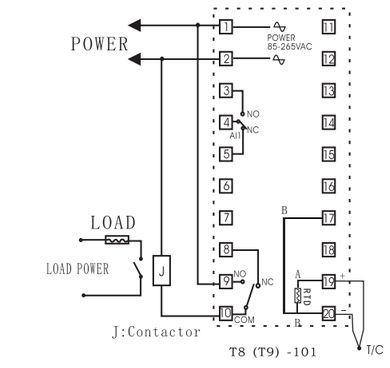
T7	T8,T5	T9
72×72mm	48×96mm	96×96mm
AC85-265V 50/60Hz		
T/C, RTD		
RELAY, PULSE		
PID、PD、PI、P、ON/OFF		
220VAC、3A		
0-50℃ 50-85%RH		
4VA		

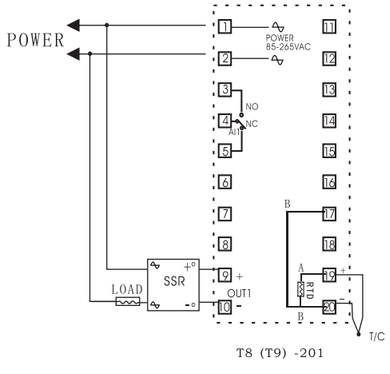
3,INSTALLATION

(Unit:mm)

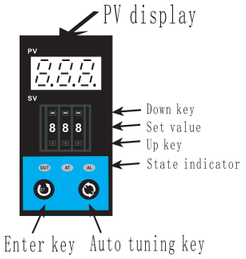


4,CONNECTION(SAMPLE)





5,OPERATING DESCRIBE



5.1 FRONT PANEL INSTRUCTION

PV: PROCESS VALUE
SV: SET VALUE
⊟ : DOWN KEY
⊞ : UP KEY
(SET): ENTER KEY
(AT): AUTO TUNING KEY

5.2 OPERATING

5.2.1 Input type set (K1=0-400℃, initial)
At level1. Press (SET) key for 5 seconds to enter level2. Then press (SET) key to INP parameter, then press (SET) key one tiem, press ⊞ key or ⊟ key to change the parameters (see app2), and press (SET) key enter.

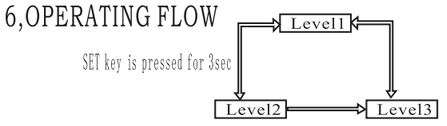
5.2.2 Alarm mode set (Ad=0, initial)
At level1, press (SET) key for 5 seconds to enter level2. Then press (SET) key to AD parameter, press (SET) key one time. Then press ⊞ key or ⊟ to chang the parameters (see app1). And press (SET) key enter.

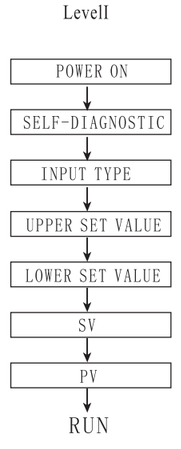
5.2.3 Alarm set (A1=0, initial)
At level1, press (SET) key for 5 seconds to enter level2. Then press (SET) key to AL parameter, press (SET) key one time. Then press ⊞ key or ⊟ to increase or decrease the value of the SV. Press (SET) enter.

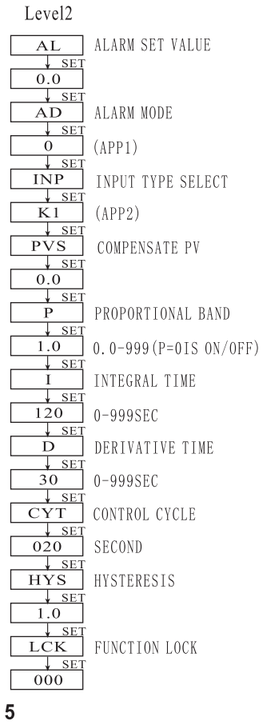
5.2.4 SV set
At level1, press ⊞ key and ⊟ key to increase or decrease the value of the SV, and PV display the value of the SV. It's seted.

5.2.4 AT (P=0 AT no function)
Press (AT) key for 5 seconds. Auto-tuning is started and the AT indicator lighting. The Atindicator extinguishes and the optimum PID constants are set automatically.

6,OPERATING FLOW

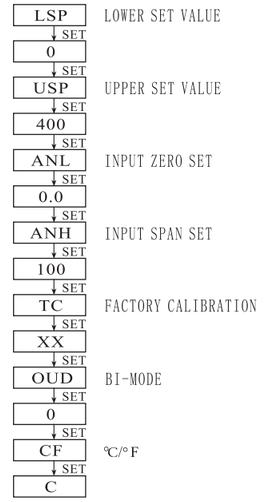






Thermocouples Input	GG point open
RTD Input	GG point short

Level 3



7,SELF-DIAGNOSTIC FUNCTION

CJE	Cold junction compensation failure
----	1, Over-flow
	2, Sensor error
Err/xx	Set value is over-flow

8,APPENDIX

APP1 ALARM MODE

0	Devlation high alarm
1	Devlation low alarm
2	Absolute value high alarm
3	Absolute value low alarm
4	Band alarm
5	Deviation H&L alarm
6	Devlation low alarm (inhibit)
7	Absolute value low alarm (inhibit)

APP2 INPUT TYPE

K1	0—400℃
K2	0—800℃
J	0—400℃ (OPTION)
T	0—400℃
Pt1	0—200℃
Pt2	0—600℃