TE ECONOMICAL TEMPERATURE CONTROLLER (PATENT PRODUCT)

96H×96W×100L

48H×48W×100L

72H×72W×100L

96H×48W×100L

FEATURE

- ⊙Simple operation,economical type
- ⊙TC/RTD universal input
- ⊙Auto-tuning PID control
- ⊙Optional control output: Relay,SSR,SCR
- ⊙Various dimentions for selection

TE is widely applied in various industries for temperature measuring, alarm and control with ON-OFF/PID control and relay/SSR/SCR control output optional.

CODE ILLUSTRATION

TE□□-□□□□□

- Blank: normal program H: improved progarm (the displaying value without decimal point
- 10: Single universal input (J,T,K,E,Pt100,Cu100)
- Alarm: B: Single alarm
- Control Output: R: Relay S: SSR K: SCR
- Blank: Auto-tuning PID
- Power Supply: Blank:110/220VAC (TE4: 85-265V AC not included in below table)
- Dimension (mm): 4:48H×48W×100L 6:96H×48W×100L
  7:72H×72W×100L 9:96H×96W×100L
- TE Economical Temperature Controller

* Special ordered for Cu50 input

ORDERING CODE

Code	Alarm	Control Output	Power supply	Input Type
TE□□-RB10（H）	Single Alarm	Relay Output	110V/220V*	K,J,E,T Pt100,Cu100
TE□□-SB10（H）	Single Alarm	SSR Output	110V/220V*	
TE□□-KB10（H）	Single Alarm	SCR Output	110V/220V*	
TE□□-	Filled by the customers require special specification.			

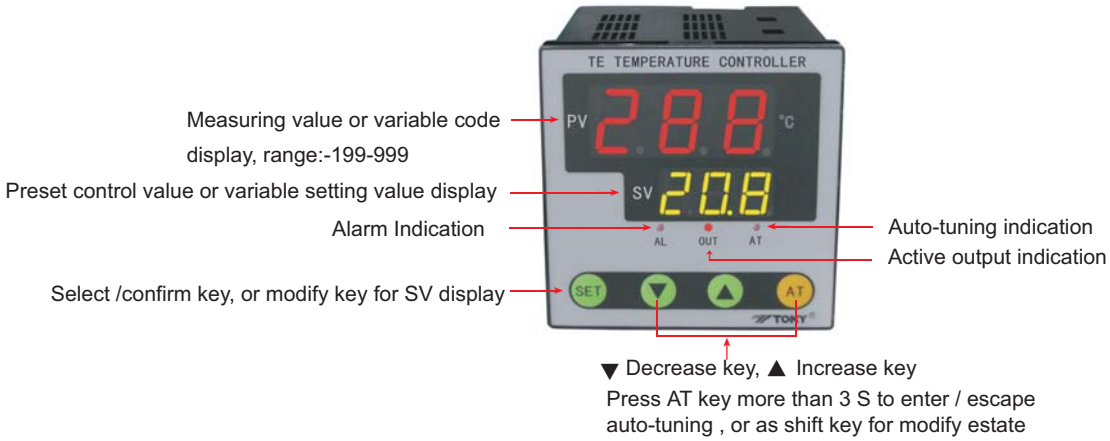
* □: denote the dimension 4,6,7,9 optional, eg:4: 48H×48W×100L(mm) * TE4 power supply:85～265V AC/DC

TECHNICAL SPECIFICATION

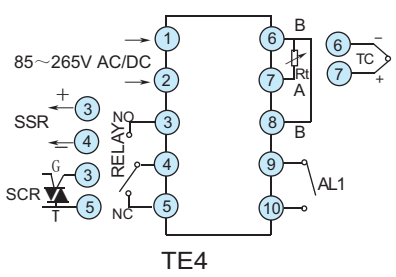
Power Supply	110V/220V±10%AC/DC（TE4:85-265VAC)
Power Consumption	5W
Ambient Temperature	0℃-50℃
Ambient Humidity	<80%RH
Measuring Accuracy	±0.5%FS
Temperature Drift	±3dight
Input type	K,E,T,J ,PT100,CU100 universal RTD/TC.Special ordered for CU50 input.
Resolution	1℃@TC,0.1℃@RTD
Sampling Time	0.5 S

Control Output	Relay /SCR / SSR
Relay Capacity	250V AC 3A，or 30 VDC 3A
SCR Control Output	Activating single/double SCR directly
4-20mA Current Output	None
SSR Control Output	12VDC or 24VDC,Imax=30mA
Control Mode	ON-OFF/normal PID/auto-tuning PID control
Alarm Type	Single alarm, optional upper (lower) limit alarm, upper (lower) error alarm
Control Cycle	1-250S select by customers
Data Writing Life	1,000,000 times
Dimension	48H×48W×100L 96H×48W×100L 72H×72W×100L 96H×96W×100L

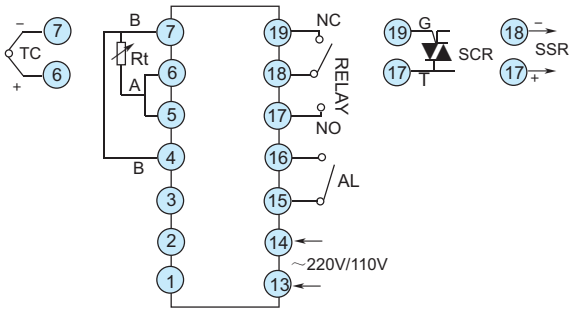
PANEL ILLUSTRATION



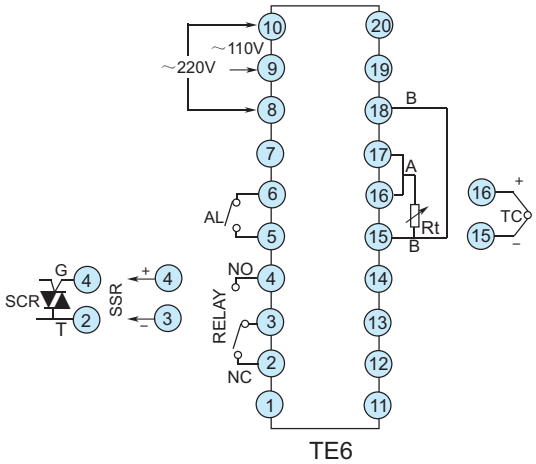
CONNECTION DIAGRAM



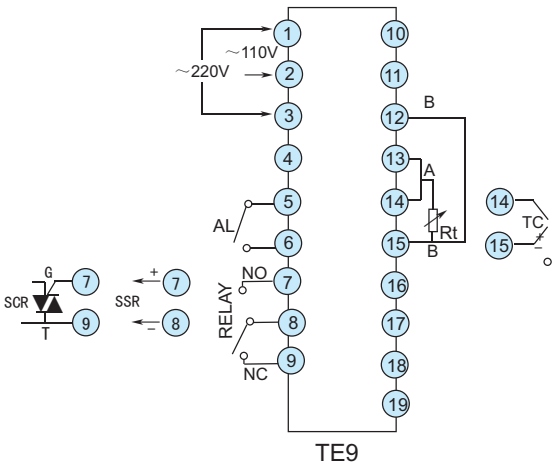
TE4



TE7(Please remark the power is AC220V or AC110V)



TE6



TE9

Note: please refer to the diagram sticking on the enclosure if any changes