TE Series Temperature Controller

Datasheet

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Features & Ordering Code

Features

- 4 digit dual display
- Universal input by K, J, T, S, Pt100, Cu50 set by software
- Can be with 2 relay or SSR alarms
- Can be with 4-20mA analogue output
- Fuzzy PID or ON/OFF control control output set by software

TE9 96X96
TE7 72X72

Ordering Code

TE □□-□□□□

- Input signal: Default: K, J, T, S, Pt100, Cu50, etc
- AL2: R: Relay S: SSR/logic N: no alarm
- OUT: R: Relay S: SSR/logic K: SCR I: 4 ~ 20mA or 0 ~ 20mA D: 0 ~ 10V or 0 ~ 5V
- Power supply: Default: 90 - 260V AC E: 24V DC 10%
- Size: 4: 48H X 48W 6: 96H X 48W 7: 72H X 72W 8: 48H X 96W 9: 96H X 96W
- TE Series temperature controller

TE4 48X48

Eg: TE4-IRR means the size is 48X48, with 4-20mA output, 2 relay alarm

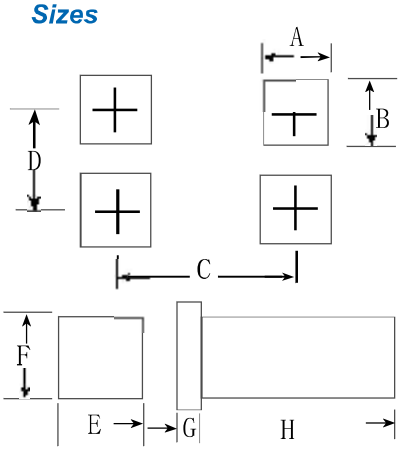
Technical Data & Sizes

Technical Data

Power supply	TE4: 90 ~ 260V AC/DC; TE6/ 7/ 8/ 9: 220V/ 110V AC		
Consumption	≤5VA		
Display range	(-199)℃ ~ 400℃; 0℃ ~ 1200℃		
Accuracy	0.3%F.S ± 2digit		
Sampling rate	≤300ms		
Control output	RELAY: Normally open contact, 250V AC/ 3A; 30V DC/ 3A, COS Φ=1; SSR/LOGIC: TE4/ 6/ 8: 24V DC ± 2V/ 20mA TE7/ 9: 12V DC ± 1V/ 20mA, I: 4 ~ 20mA		
Alarm	RELAY: Normally open contact: 250VAC/ 3A, 30V DC/ 3A COS Φ=1		
Input signal	TC	K	0 ~ 1200℃
		J	0 ~ 1200℃
		T	(-150)℃ ~ 400℃ (special order)
		S	0℃ ~ 1600℃
	RTD	Pt100	(-199)℃ ~ 600℃
		Cu50	(-50)℃ ~ 150℃
	Others	Please mention when ordering	
Withstand voltage	1500V Rms (Between power terminal and the housing)		
Insulation strength	Min. 50MΩ, 500V DC (Between power terminal & the housing)		
Temperature	0 ~ 50℃ (No freeze)		
Strage Temperature	(-10)℃ ~ 60℃ (No freeze)		
Humidity	35 ~ 85%RH		
Weight	TE4: abt 250g; TE6/ 7/ 8/ 9: abt 350g		

TE6 48X96

Sizes



TE8 96X48

Size / Model	A	B	C	D	E	F	G	H
TE4	45 + 0.5	45 + 0.5	65	65	48	48	8	80
TE6	45.5 + 0.5	91 + 0.5	65	115	48	96	12	100
TE7	68 + 0.5	68 + 0.5	95	95	72	72	12	100
TE8	91 + 0.5	45 + 0.5	65	115	48	48	12	100
TE9	91 + 0.5	91 + 0.5	115	115	96	96	12	100

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