TEMPERATURE (RTD, T/C) TRANSMITTER

CSP-T

FEATURE

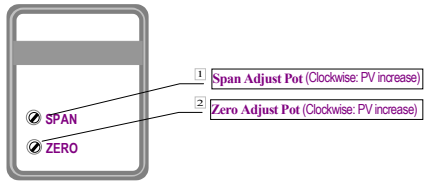
- Accuracy: RTD: 0.1%, T/C: 0.2%
- Wide selection of input / output range
- Dimension small
- Low output ripple
- Dielectric strength 2000 VAC
- High stability & low cost

SPECIFICATION

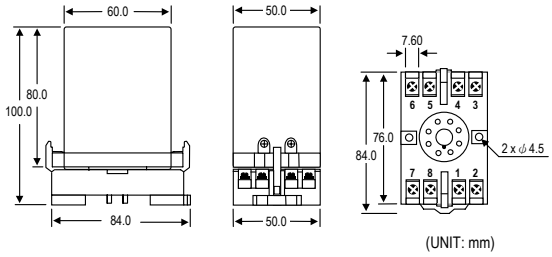
Input Range	Input Impedance	Output Range	Load Resistance
Type K 0 ~ 1200℃	≧1M ohm	0 ~ 100 mV	≧100K ohm
		0 ~ 1 V	≧50 ohm
Type J 0 ~ 1000℃	≧1M ohm	0 ~ 5 V	≧250 ohm
		0 ~ 10 V	≧500ohm
Type E 0 ~ 800℃	≧1M ohm	1 ~ 5 V	≧250 ohm
		2 ~ 10 V	≧500ohm
Type T -50 ~ 400℃	≧1M ohm	-10 ~ 0 ~ +10 V	≧1K ohm
		0 ~ 1 mA	≦15K ohm
Type R 400 ~ 1600℃	≧1M ohm	0 ~ 10 mA	≦1500 ohm
		0 ~ 20 mA	≦750 ohm
Type S 400 ~ 1600℃	≧1M ohm	4 ~ 20 mA	≦750ohm
Pt100Ω -100 ~ 800℃	≧10M ohm		

Accuracy: RTD (Pt100): ±0.1% of R.O.
T/C (K, J, E, T, R, S): ±0.2% of R.O.
Response time: ≦400 msec.
Span adjustment:: ≦10% of R.O.
Zero adjustment:: ≦5% of R.O.
Output ripple: ≦0.1% of R.O.
Power Supply: AC 115 or 230V ±10%, 50/60 Hz
Option: DC 12V, 24V, 48V ±10%, (Isolated)
Power consumption: DC 3W, AC 4.5VA
Operating temperature: 0~60 ℃
Operating relative humidity: 20~95 %RH
Temperature coefficient: ≦100 PPM/℃
Cold junction 25±10℃, error≦0.5℃
Storage temperature: -10~70 ℃
Isolation: Between Power / Input / Output
Insulation resistance: ≧100M ohm at 500Vdc
Surge test: 4 KV, 1.2 x 50 μ sec.
Common mode & differential mode
Dielectric Strength: AC 2.0 KV for 1 min
Between Power / Input / Output / Case
Weight: 360g

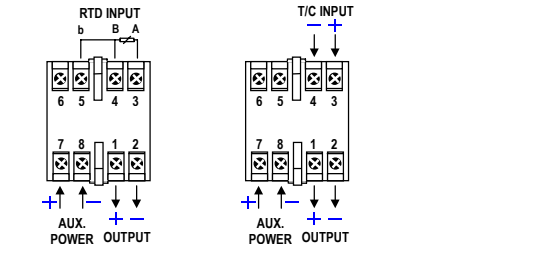
ADJUSTMENT



DIMENSIONS



CONNECTION DIAGRAM



ORDER INFORMATION

CSP-T- [Input Type] — [Input Range] — [Output Range] — [Aux. Power]

RTD	THERMOCOUPLE						CODE	TEMPERATURE RANGE
P	K	J	E	T	R	S		
●				●			A	-50 ~+100℃
●	●	●	●	●			B	0 ~ 50℃
●	●	●	●	●			C	0 ~ 100℃
●	●	●	●	●			D	0 ~ 200℃
●	●	●	●	●			E	0 ~ 400℃
●	●	●	●				F	0 ~ 500℃
●	●	●	●				G	0 ~ 600℃
●	●	●	●				H	0 ~ 800℃
	●	●					I	0 ~ 1000℃
	●						J	0 ~ 1200℃
					●	●	K	400 ~ 1600℃
							O	Specify

Current

CODE	OUTPUT
A	0 ~ 1 mA
B	0 ~ 10 mA
C	0 ~ 20 mA
D	4 ~ 20 mA
O	Specify

Voltage

CODE	OUTPUT
1	0 ~ 100 mV
2	0 ~ 1 V
3	0 ~ 5 V
4	0 ~ 10 V
5	1 ~ 5 V
6	2 ~ 10 V
7	-10 ~ +10 V
O	Specify

Aux. Power

CODE	AUX. POWER
A1	AC 115 V
A2	AC 230 V
D12	DC 12 V
D24	DC 24 V
D48	DC 48 V
O	Specify