

THERMOCOUPLE ISOLATED TRANSMITTER

S4T-TC

FEATURES

- Converting a T.C. input into a standard process signal.
- Cold junction compensated.
- Isolation: Input to output to power.
- DIN rail type.



ORDERING INFORMATION

MODEL:S4T-TC-

Input Type (Usable Range)

K (-200 ~ 1200°C)R (0 ~ 1700°C)

E (-250 ~ 800°C)S (0 ~ 1700°C)

J (-200 ~ 1000°C)B (600 ~ 1800°C)

T (-200 ~ 400°C)O (Option)

Input Temperature Range

A :-50 ~ 100 °CF :0 ~ 1200 °C

B :0 ~ 100 °CG :0 ~ 1600 °C

C :0 ~ 200 °CH :300 ~ 1600 °C

D :0 ~ 400 °CO :Option

E :0 ~ 1000°C

DC Output Range (Output Resistance)

V2:0 ~ 5V(≥ 1KΩ)

V3:1 ~ 5V(≥ 1KΩ)

V4:0 ~ 10V(≥ 1KΩ)

A1:0 ~ 1mA(0~10KΩ)

A2:0 ~ 10mA(0~1.5KΩ)

A3:0 ~ 20mA(0~750Ω)

A4:4 ~ 20mA(0~750Ω)

00:Option

Power Supply

A: AC / DC 85 ~ 265V B: DC 20 ~ 60V

O: Option

SPECIFICATION

Accuracy..... $\pm 0.2\% \text{R.O.} \pm 0.5^{\circ}\text{C(RJC)}/(23\pm 3^{\circ}\text{C})$
Add 0.2% when the output span. equals 1/10
or narrower of the max. span.

Response time..... $\leq 400\text{msec. } 0 \sim 99\%$

Output ripple..... $\leq 0.5\% \text{ R.O. (Peak)}$

Power supply.....AC/DC 85-265 V
DC 20-60V(Option)

Power consumption.....at 240V $\leq$ AC 6.5VA $\leq$ DC 5W
110V $\leq$ AC 4 VA $\leq$ DC 3W

Input resistance..... $\geq 5\text{M}\Omega$

Input break detection.....Output $\geq 110\% \text{R.O.}$

Temperature coefficient..... $\leq 150\text{PPM}/^{\circ}\text{C}$

Operating temperature.....- 5 ~ 50°C

Storage temperature.....-10 ~ 70°C

Max. relative humidity.....0 ~ 90%

Isolation.....Input/Output/Power

Dielectric strength.....AC 1.8KV/min.

Insulation resistance..... $\geq 100\text{M}\Omega$, DC 500V

Electrostatic discharge.....IEC 61000-4-2.

Electromagnetic fields immunity.....IEC 61000-4-3.

Electrical transient in burst.....IEC 61000-4-4.

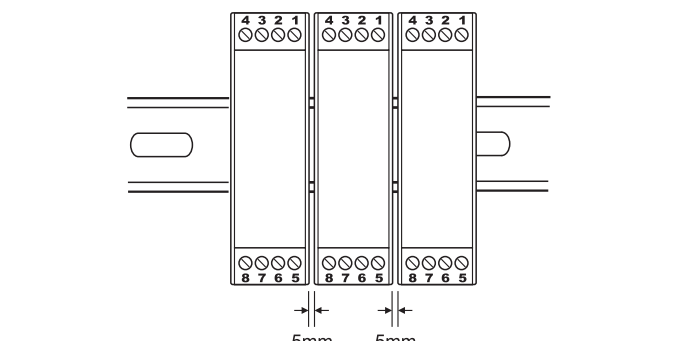
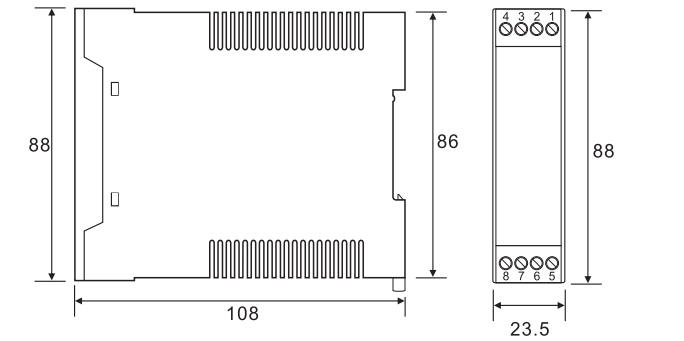
Withstanding impulse voltage.....IEC 61000-4-5.

Immunity to voltage dips.....IEC 61000-4-11.

Weight.....Abt.120g

THE OUTSIDE DIMENSION (UNIT: mm)

DEMAND FOR MOUNTING (UNIT: mm)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM

