

THERMOCOUPLE ISOLATED TRANSMITTER

XC-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:XC-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 °C | F : 0 ~ 1200 °C |
| B : 0 ~ 100 °C | G : 0 ~ 1600 °C |
| C : 0 ~ 200 °C | H : 300 ~ 1600 °C |
| D : 0 ~ 400 °C | O : 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 | |

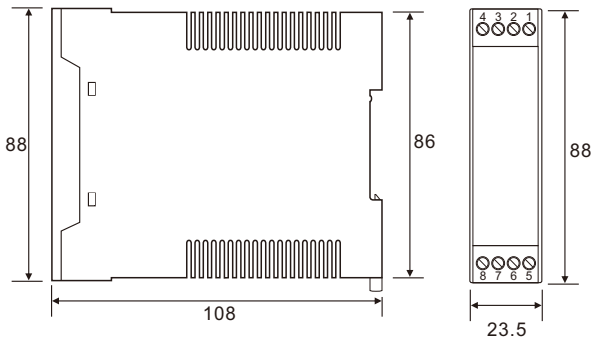
Power Supply

- A: AC / DC 90 ~ 260V B: DC 20 ~ 60V
O: Option

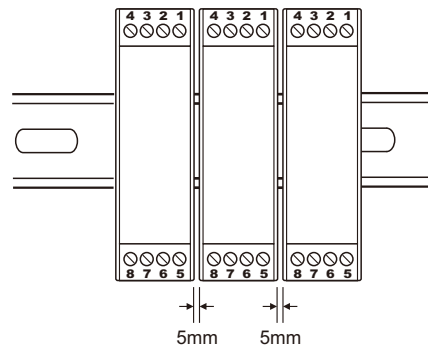
SPECIFICATION

- 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** **400msec.** 0 ~ 99%
- Output ripple** **0.5% R.O. (Peak)**
- Power supply** **AC/DC 90-260 V**
DC 20-60V (Option)
- Power consumption** at 240V **AC 6.5VA DC 5W**
110V AC 4 VA DC 3W
- Input resistance** **5MΩ**
- Input break detection** **Output 110%R.O.**
- Temperature coefficient** **0.015%/°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** **100MΩ, 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

