

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

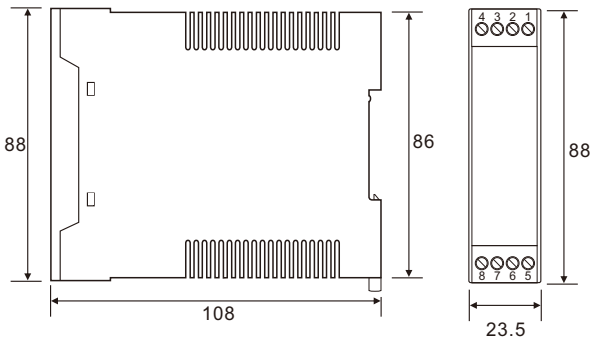
MODEL:XC-TC- [] [] [] []

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	

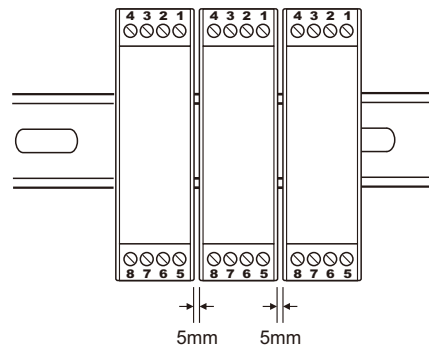
SPECIFICATION

Accuracy	±0.2%R.O. ±0.5°C(RJC)/(23±3°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

