



FEATURES

- Converting a DC input into a standard process signal.
- Wide input and output range selection.
- Isolation: Input to output to power.
- DIN rail type.

ORDERING INFORMATION

MODEL:XC-DT-

DC Input Range (Input Resistance)

- V1 : 0 ~ 50mV* ($\cong 200K\Omega$)
- V2 : 0 ~ 5V ($\cong 1M\Omega$)
- V3 : 1 ~ 5V ($\cong 1M\Omega$)
- V4 : 0 ~ 10V ($\cong 1M\Omega$)
- A1 : 0 ~ 1mA ($\cong 1K\Omega$)
- A3 : 0 ~ 20mA ($\cong 50\Omega$)
- A4 : 4 ~ 20mA ($\cong 50\Omega$)

00 : Option
*0 ~ 75mV is available

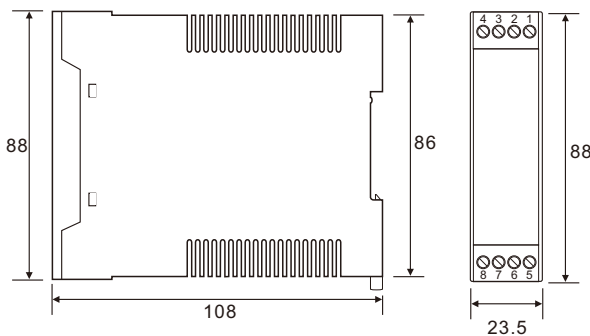
DC Output Range (Output Resistance)

- V2: 0 ~ 5V ($\cong 1K\Omega$)
- V3: 1 ~ 5V ($\cong 1K\Omega$)
- V4: 0 ~ 10V ($\cong 1K\Omega$)
- A1: 0 ~ 1mA (0~10K Ω)
- A2: 0 ~ 10mA (0~1.5K Ω)
- A3: 0 ~ 20mA (0~750 Ω)
- A4: 4 ~ 20mA (0~750 Ω)
- 00: Option

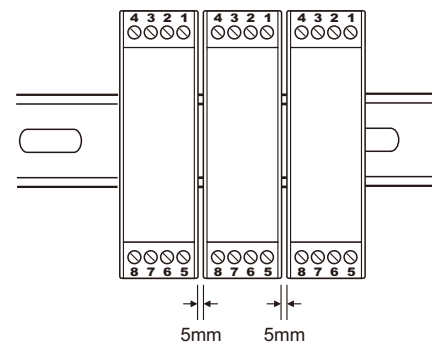
Power Supply

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

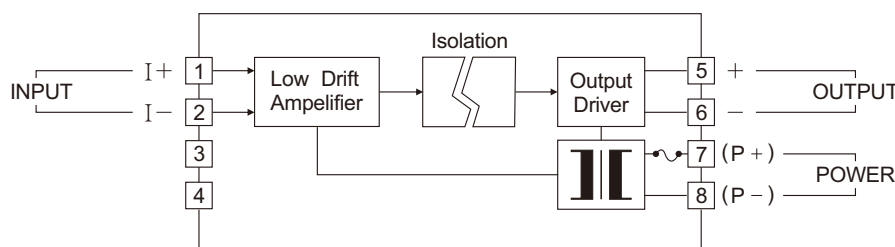
THE OUTSIDE DIMENSION (UNIT: mm)



DEMAND FOR MOUNTING (UNIT: mm)



SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM



SPECIFICATION

Accuracy	.....	$\pm 0.1\%RO$.
Response time	.....	$\leq 400\text{msec. } 0 \sim 99\%$ (Option) $\leq 50 \text{ msec. } 0 \sim 99\%^*$
Output ripple	.....	$\leq 0.5\% RO$. (Peak)
Power supply	.....	AC / DC 90 ~ 260V DC 20 ~ 60V
Power consumption	.....	at 240V $\leq AC 6VA \leq DC 5W$ 110V $\leq AC 4VA \leq DC 3W$
Temperature coefficient	.....	$\leq 0.015\%/^{\circ}C$
Operating temperature	.....	-5 ~ 50 $^{\circ}C$
Storage temperature	.....	-10 ~ 70 $^{\circ}C$
Max. Relative humidity	.....	90%
Isolation	.....	Input/Output/Power
Dielectric strength	.....	AC 1.8KV/min.
Insulation resistance	.....	$\geq 100M\Omega, DC 500V$
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

*High response time, output ripple be according to input ripple.