



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

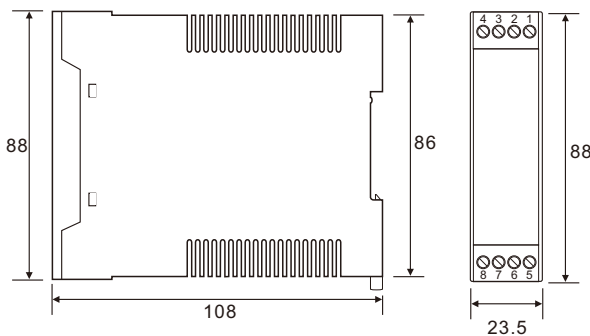
DC Output Range (Output Resistance)

- 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

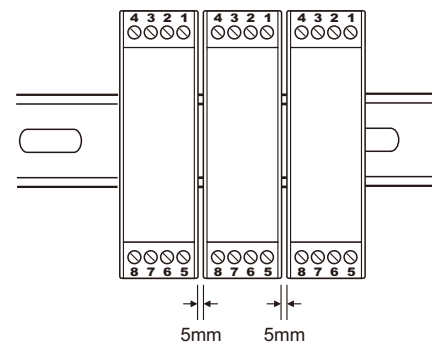
Power Supply

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

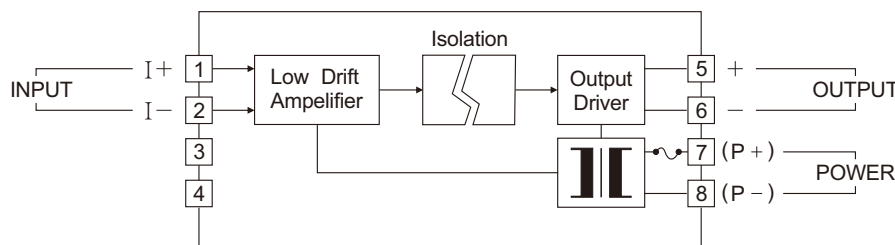
THE OUTSIDE DIMENSION (UNIT: mm)



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.