



## ■ Order information

SCONI - PMC -

### ● Input signal

|   |            |
|---|------------|
| A | 100 ~100kΩ |
| R | Other      |

### ● Output signal (1)

|   |            |
|---|------------|
| 1 | DC 0~50mV  |
| 2 | DC 0~100mV |
| 3 | DC 0~5V    |
| 4 | DC 0~10V   |
| 5 | DC 1~5V    |
| 6 | DC 0~1mA   |
| 7 | DC 0~20mA  |
| 8 | DC 4~20mA  |
| R | Other      |

### ● Output signal (2)

|   |            |
|---|------------|
| 1 | DC 0~50mV  |
| 2 | DC 0~100mV |
| 3 | DC 0~5V    |
| 4 | DC 0~10V   |
| 5 | DC 1~5V    |
| 6 | DC 0~1mA   |
| 7 | DC 0~20mA  |
| 8 | DC 4~20mA  |
| R | Other      |
| N | Not used   |

### ● Power supply

|   |              |
|---|--------------|
| X | AC 110V/220V |
| Y | DC 24V       |

## ■ General

This model converts resistance input of potentiometer as angle displacement or position displacement into isolated DC signal.

## ■ General specification

| Item                    | Specification   |
|-------------------------|---|
| Input                   | 3 wire Potentiometer resistor                                 |
| Output                  | Various DC current, DC voltage                                |
| Tolerance               | ± 0.2% Max.   |
| Linearity               | ± 0.02% F.S   |
| Response Time           | Less than 0.5sec(0~90%)                                       |
| Temperature Coefficient | ± 0.015% /  |
| Output adj Range        | ZERO ± 20%<br>SPAN ± 20% of F.S                               |
| Isolation               | More than 100MΩ(DC 500V)                                      |
| Dielectric Strength     | Input/Output/Power AC 1500V / min                             |
| Power Supply            | AC 110/220V ±10%, 50/60Hz 3VA<br>DC 24V ±10%, Less than 100mA |
| Operating Temperature   | 0 ~ 55  |
| Operating Humidity      | 20 ~ 80%  |
|                         | Approx 400gr(AC), 250gr(DC)                                   |
| Material/Color          | ABS Resin / Black   |
| Dimension               | W48 x H88 x D102 (mm)   |
| Mounting                | Wall or DIN Rail  |

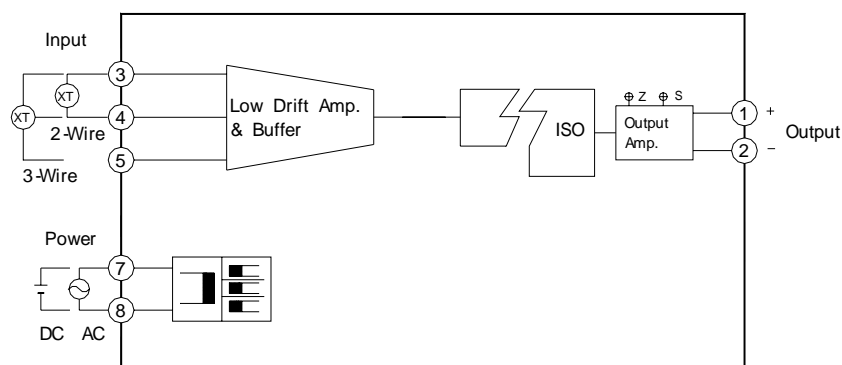
■ Input - Output specification

| Input         | Specification    |
|---------------|------------------|
| Range         | 100Ω ~ 100kΩ     |
| Excitation    | 2.5V DC          |
| Potentiometer | 3 Wire or 2 Wire |

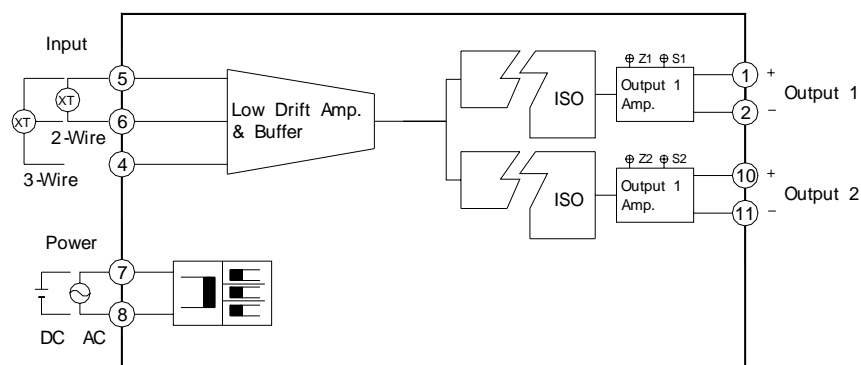
| Output    | Load Resistance | Impedance    |
|-----------|-----------------|--------------|
| 0 ~ 100mV | 1kΩ or more     | 100Ω or less |
| 0 ~ 5V    | 2kΩ or more     | 0.1Ω or less |
| 0 ~ 10V   | 4kΩ or more     |              |
| 0 ~ 1mA   | 0 ~ 15kΩ        | 5MΩ or more  |
| 4 ~ 20mA  | 0 ~ 750Ω        |              |

■ Block diagram

1 Output

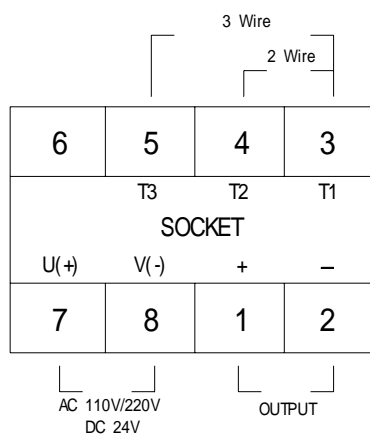


2 Output



■ Terminal connection

1 Output



2 Output

