# TWO-WIRE RTD ISOLATED TRANSMITTER S4T-2RR

## FEATURES


- Two-wire output for DC 4 ~ 20mA.
- Converting a RTD input into a standard process signal.
- Automatically eliminated for wire resistance (3 wires connection).
- Isolation: Input to output.
- DIN rail type.

## ORDERING INFORMATION

**MODEL:S4T-2RR- □□ A4**

**Input RTD**

P: Pt 100 0:Option
C: Cu 50

**Input Temperature Range**

A: -100 ~ 100°C E: 0 ~ 50°C
B: -50 ~ 50°C F: 0 ~100°C
C: -50 ~ 100°C G: 0 ~ 200°C
D: -50 ~ 200°C H: 0 ~ 400°C
0: Option

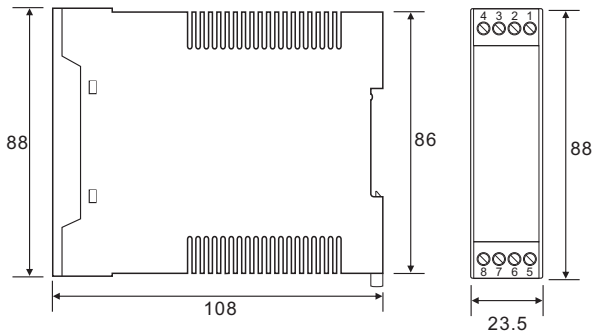
**DC Output Range (Output Resistance)**

A4: 4 ~20mA (550Ω Max. at 24V DC)
Power supply for two wire output: DC 12.8 ~ 32V
Output Resistance = (Supply Voltage - 12.8V)÷0.02A

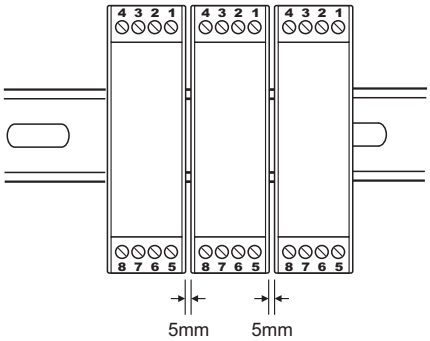
## SPECIFICATION

| | |
|---|---|
| **Accuracy** | ±0.2%RO. |
| **Response time** | ≦400msec. 0~99% |
| **Output ripple** | ≦0.5% RO. (Peak) |
| **Temperature coefficient** | ≦150PPM/°C |
| **Operating temperature** | -5~50°C |
| **Storage temperature** | -10~70°C |
| **Max. relative humidity** | 90% |
| **Isolation** | Input/Output |
| **Dielectric strength** | AC 1.5KV, Input/Output<br>AC 1.8KV All Terminals/Ground |
| **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.110g |

## THE OUTSIDE DIMENSION (UNIT: mm)




## DEMAND FOR MOUNTING (UNIT: mm)




## SCHEMATIC CIRCUITRY & CONNECTION DIAGRAM