Slim Type RTD Sensor Transmitter MTSC-RTD

The Model MTSC-RTD accepts 2- or 3-wire RTD input, and provides isolated and linearized DC outputs.
- Linearization and upscale burnout protection standard; downscale or no burnout optional.

♧ Performance

- Accuracy : ±0.2% of Full Scale
- Temperature Coefficient : ±0.015% / ℃
- Response Time : 0.5Sec or less(0~90%), Normal
- Insulation Resistance : 100MΩ or more
  with 500V DC (Input to Output to Power)
- Dielectric Strength : 1,500V AC 0.5mA/Min.
  (Input to Output to Power)
- Unit : ℃
- Input Sensing : 2mA DC(Pt 100Ω RTD Sensor)

♧ General Specifications

- Housing Material : Plastic ABS(resin), Gray
- Isolation : Input to Output to Power
- Easy Calibration of the Zero and Span (Max. ±20% of Full Scale)
- Burnout Protection : Up-scale standard (Down-scale or No Burnout optional)
- 3-Way isolation for using on input and output of the PLC

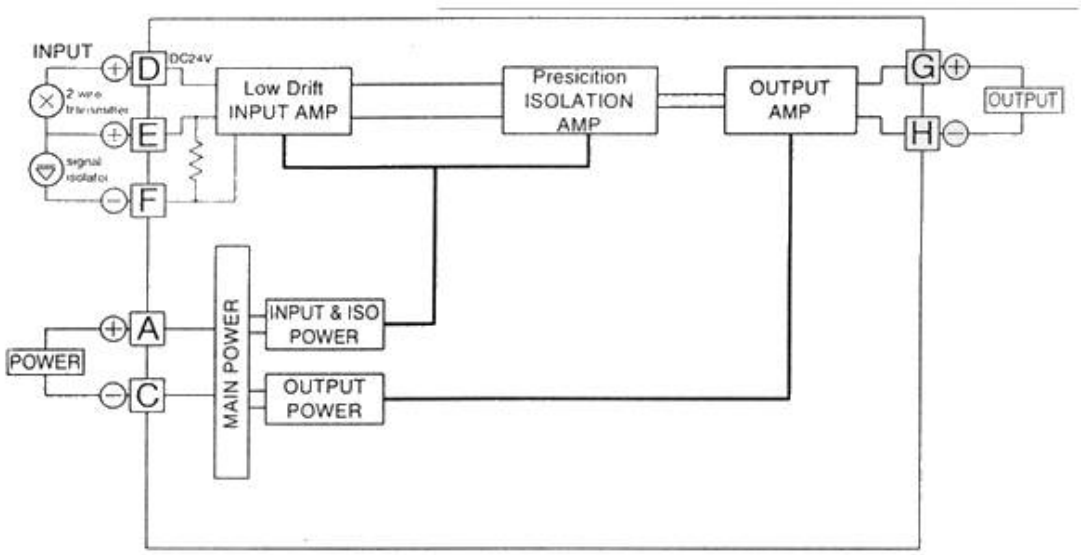
♧ Installation

- Power Supply : DC 24V / 150mA
- Operating Temperature : 0 ~ 50℃ (Storage : -20 ~ 80℃)
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Rail Mounting
- Dimension : 22.5(W) X 102(H) X 75(D) (Unit : mm)
- Weight : about 120g

♧ Ordering Information

Specify Code number and Variables
- Code No. : MTSC-RTD-Input/Output-Power (Ex : MTSC-RTD-11-Y)
- Specify Temperature Range (Ex : 0~100℃)
- Specify Output Range (Ex : 0~5V)

♧ Schematic Diagram



♧ Model & Suffix Code

MTSC-RTD-□□-□

Input Type & Range Selection
1 : Pt 100Ω for JIS Spec.
2 : Pt 100Ω for DIN Spec.
3 : Other Special Spec.

Output Type & Range Selection (Precision : 750Ω or less)
1 : DC 0~5V (Resistance 2KΩ or More)
2 : DC 1~5V (Resistance 2KΩ or More)
3 : DC 0~20mA (Resistance 0~750Ω)
4 : DC 4~20mA (Resistance 0~750Ω)
5 : Other Special Spec.

Power Supply
Y : DC 24V/150mADC
Z : AC 90~250V(50/60Hz) Option

♧ Dimension