

Slim Type DC Signal Transmitter

MTSC-DS

The Model MTSC-DS is an compact and isolated signal transmitter, and provides isolated DC outputs.

♣ Performance

- Accuracy : $\pm 0.2\%$ of Full Scale
- Temp. Coefficient : $\pm 0.015\%$ / $^{\circ}\text{C}$
- Response Time : 0.5Sec or less(0~90%), Normal
- Insulation Resistance : 100M Ω or more
with 500V DC (Input to Output to Power)
- Dielectric Strength : 1,500V AC 0.5mA/Min.
(Input to Output to Power)



♣ General Specifications

- Housing Material : Plastic ABS(Resin), Grey
- Isolation : Input to Output to Power
- Easy Calibration of the Gain and Zero(Max. $\pm 20\%$ of Full Scale)
- 3-Way Isolation for using on input and output of the PLC

♣ Installation

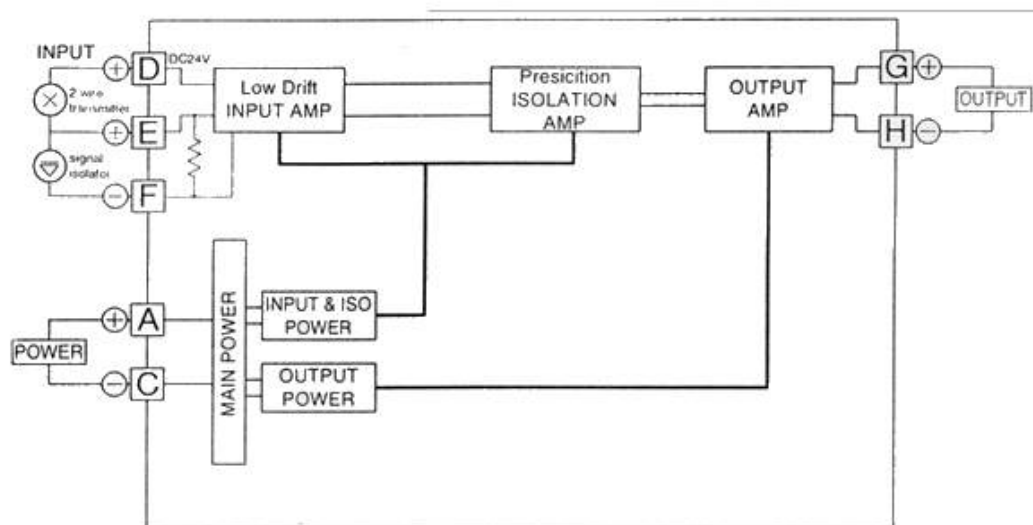
- Power Supply : DC 24V / 150mA
- Operating Temperature : 0 ~ 50 $^{\circ}\text{C}$ (Storage : -20 ~ 80 $^{\circ}\text{C}$)
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Rail Mounting (Terminal Wiring)
- Dimension : 22.5(W) X 102(H) X 75(D) (Unit : mm)
- Weight : about 120g

♣ Ordering Information

Specify Code number and Variables.

- Code No. : MTSC-DS-Input/Output-Power (Ex : MTSC-DS-11-Y)
- Specify Input Range (Ex : 0~5V)
- Specify Output Range (Ex : 0~5V)

♣ Schematic Diagram



♣ Model & Suffix Code

MTSC-DS-□□-□

Input Type & Range Selection

- 1 : DC 0~5V (Impedance 1M Ω or more)
- 2 : DC 1~5V (Impedance 1M Ω or more)
- 3 : DC 0~20mA (Impedance 250 Ω fixed)
- 4 : DC 4~20mA (Impedance 250 Ω fixed)
- 5 : Other Special Spec.

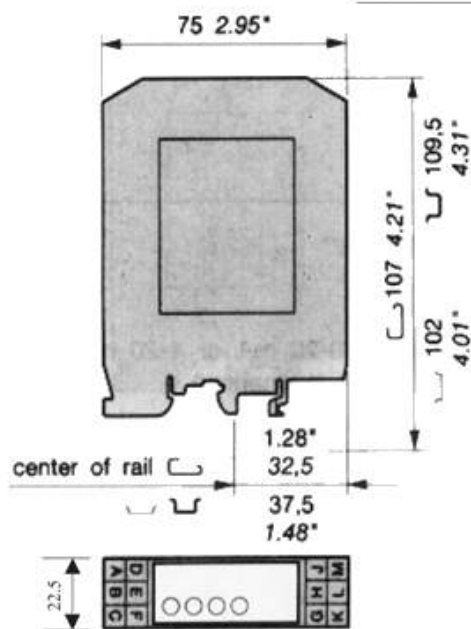
Output Type & Range Selection

- 1 : DC 0~5V (Resistance 2K Ω or more)
- 2 : DC 1~5V (Resistance 2K Ω or more)
- 3 : DC 0~20mA (Resistance 0~750 Ω)
- 4 : DC 4~20mA (Resistance 0~750 Ω)
- 5 : Other Special Spec.
- 6 : No Output (Only Output2)

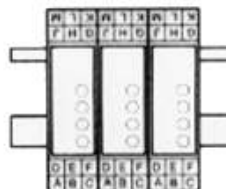
Power Supply

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

♣ Dimension



INSTALLATION
Horizontal
mounting advised



No vertical mounting

