

Isolated 3 Channel DC Signal Transmitter

MT-DST3

The Model MT-DST3 is an isolating signal transmitter, and provides isolated DC outputs.

♣ Performance

- Conversion Accuracy : $\pm 0.2\%$ of Full Scale
- Temperature 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 0.5 mA/Min.
(Input to Output to Power)

♣ General Specifications

- Housing Material : Plastic ABS(Resin), Black
- Isolation : Input to Output to Power
- Adjustment : Zero & Span $\pm 20\%$ of Full Scale (Separated)



♣ Installation

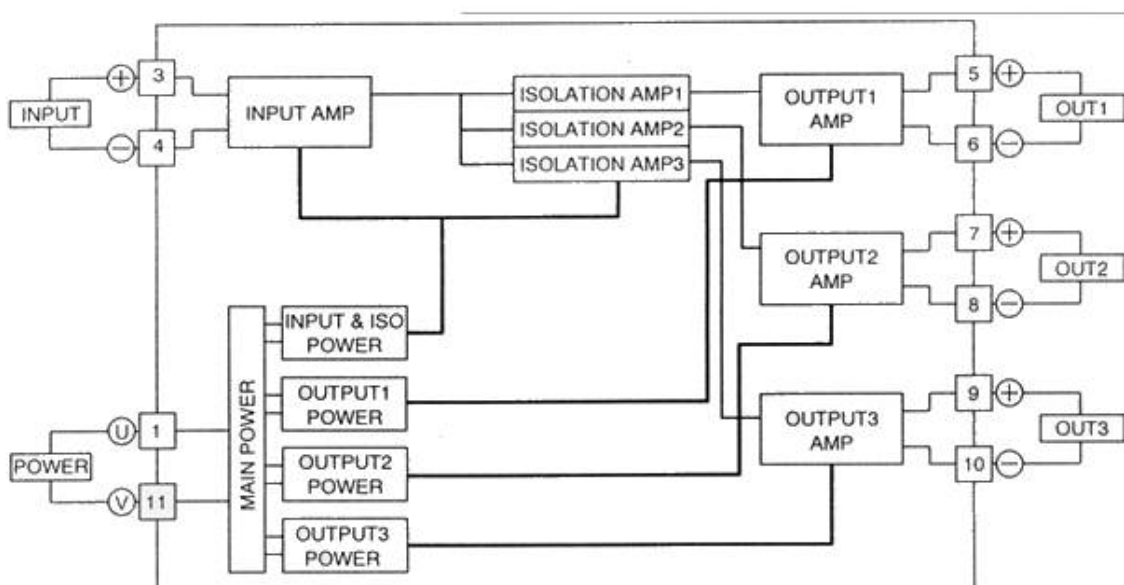
- Power Supply : AC 110V or 220V/60Hz(3VA), DC 18~30V (about 3Watts)
- Operating Temperature : 0~50 $^{\circ}\text{C}$
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Wall or Rail Mounting (Plug-in type)
- Dimension : 51(W) X 83(H) X 102(D) (Unit : mm)
- Weight : about 400g

♣ Ordering Information

Specify Code number and Variables.

- Code No. : MT-DST3-Input/Output1/Output2/Output3-Power (Ex : MT-DST3-4888-X)
- Specify Input Range (Ex : 4~20mA DC)
- Specify Output Range (Ex : 0~10V DC)

♣ Schematic Diagram



♣ Model & Suffix Code

MT-DST3-□□□□-□

Input Type & Range Signal

- 1 : DC 0~10mV DC (Impedance 1M Ω or more)
- 2 : DC 0~100mV (Impedance 1M Ω or more)
- 3 : DC 0~5V (Impedance 1M Ω or more)
- 4 : DC 0~10V (Impedance 1M Ω or more)
- 5 : DC 1~5V (Impedance 1M Ω or more)
- 6 : DC 0~1mA (Impedance 1k Ω fixed)
- 7 : DC 0~20mA (Impedance 250 Ω fixed)
- 8 : DC 4~20mA (Impedance 250 Ω fixed)
- 9 : Other Special Spec.

Output Type & Range Selection(Out1/Out2/Out3)

- 1 : DC 0~10mV (Resistance 10k Ω or more)
- 2 : DC 0~100mV (Resistance 100k Ω or more)
- 3 : DC 0~5V (Resistance 5k Ω or more)
- 4 : DC 0~10V (Resistance 10k Ω or more)
- 5 : DC 1~5V (Resistance 5k Ω or more)
- 6 : DC 0~1mA (Resistance 0~15k Ω)
- 7 : DC 0~20mA (Resistance 0~750 Ω)
- 8 : DC 4~20mA (Resistance 0~750 Ω)
- 9 : Other Special Spec.

Power Supply

- W : AC 200~230V for 60Hz
 X : AC 100~120V for 60Hz
 Y : DC 18~30V
 Z : Other Special Spec.

♣ Dimension

