

Wall Type Frequency to DC Transducer

MTW-FDT

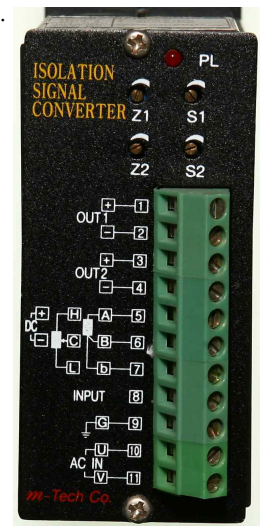
The Model MTW-FDT accepts a frequency input and provides a proportional DC signal.
 – Provides sensor excitation supply, linearization is available.

♣ 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 : Aluminium, Black or Silver Gray
- Isolation : Input to Output to Power
- Adjustment : Zero & Span $\pm 15\%$ of Full Scale (Separated)



♣ Installation

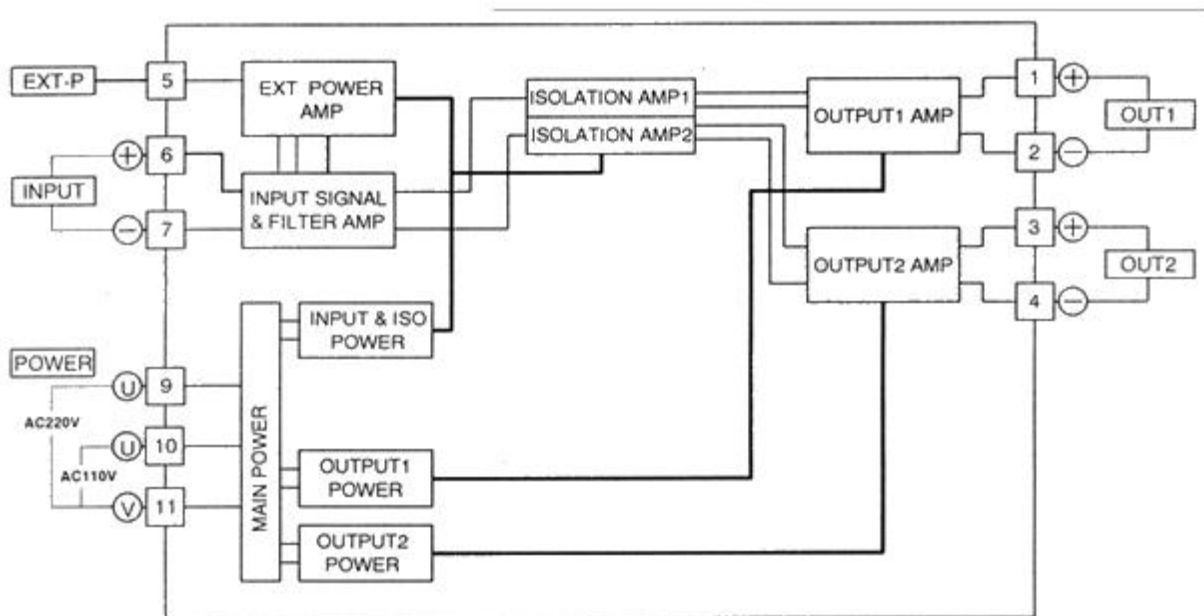
- Power Supply : AC 110V or 220V/60Hz(3VA), DC 18~30V (about 2.2Watts)
- Operating Temperature : $-5 \sim +55^{\circ}\text{C}$
- Operating Humidity : 30 ~ 90% RH Max. (Non-Condensing)
- Mounting : Wall Mounting
- Dimension : 42(W) X 120(H) X 113.5(D) (Unit : mm)

♣ Ordering Information

Specify Code number and Variables.

- Code No. : MTW-FDT-Model/Input/Output1/Output2-Power (Ex : MTW-FDT-2488-X)
- Specify Input Range (Ex : 100~10KHz)
- Specify Output Range (Ex : 4~20mA)

♣ Schematic Diagram



♣ Model & Suffix Code

MTW-FDT-□□□□-□

Model Type Selection

- 1 : 1 Output
- 2 : 2 Outputs

Input Type Selection

- 1 : 3-Wire Voltage Pulse
- 2 : 2-Wire Current Pulse
- 3 : 2-Wire Voltage Pulse
- 4 : Open Collector
- 5 : Dry Contact
- 6 : Other Special Spec.

Output Type & Range Selection

- 1 : DC 0~10mV (Resistance 10K Ω or more)
- 2 : DC 0~100mV (Resistance 5K Ω or more)
- 3 : DC 0~5V (Resistance 500 Ω or more)
- 4 : DC 0~10V (Resistance 1K Ω or more)
- 5 : DC 1~5V (Resistance 500 Ω or more)
- 6 : DC 0~1mA (Resistance 0~5K Ω)
- 7 : DC 0~20mA (Resistance 0~1.2K Ω)
- 8 : DC 4~20mA (Resistance 0~1.2K Ω)
- 9 : Other Special Spec.
- N : No Output (Only Output2)

Power Supply

- W : AC 220V for 60Hz
- X : AC 110V for 60Hz
- Y : DC 24V
- Z : Other Special Spec.

♣ Dimension

