Isolated AC Current Transducer — MT-ACT

The Model MT-ACT accepts alternating AC Current and provides a proportional DC outputs.

♧ Performance

- Accuracy : ±0.2% of Full Scale
- 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 0.5㎃/Min.
  (Input to Output to Power)
- Display Range : -99 to 999 (Available Decimal Point)
- Unit : %, V, A, ㎷, ㎃, etc.
- Permissible Over Range : 200% 1Minute

♧ General Specifications

- Housing Material : Plastic ABS(Resin), Black
- Isolation : Input to Output to Power
- Adjustment : Zero & Span ± 20% of Full Scale (Separated)
- Display : 3 Digits (available Decimal Point)

♧ Installation

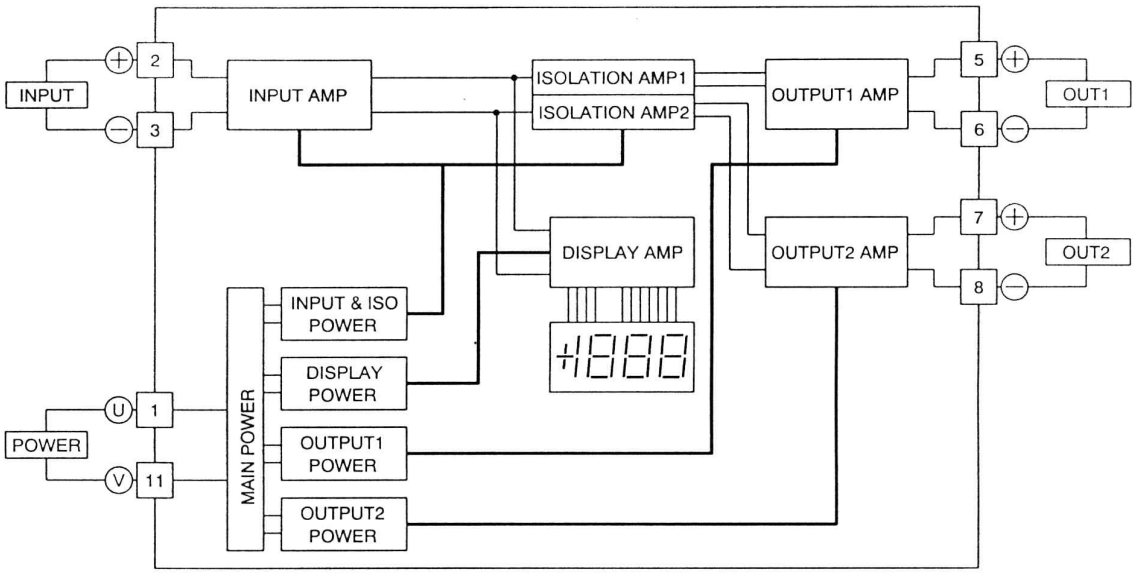
- Power Supply : AC 110V or 220V/60Hz(3VA), DC 18~30V (about 3Watts)
- Operating Temperature : 0~50℃
- Operating Humidity : 90% RH Max. (Non-Condensing)
- Mounting : Wall or Rail Mounting (Plug-in type), Rack Mounting
- Dimension : 51(W) X 83(H) X 102(D) (Unit : mm)

♧ Ordering Information

Specify Code number and Variables

- Code No. : MT-ACT-Model/Input/Output1/Output2-Power
  (Ex : MT-ACT-428N-X)
- Specify Input Range (Ex : 0.5~1A)
- Specify Output Range (Ex : ±5V)

♧ Schematic Diagram



♧ Model & Suffix Code

MT-ACT-□□□□-□

Model Type Selection
1 : 1 Output without Display
2 : 2 Outputs without Display
3 : 1 Output with Display
4 : 2 Outputs with Display

Input Range Selection
1 : AC 0～3A
2 : AC 0～5A
3 : Other Special Type

Output 1,2 Type & Range
1 : DC 0～10㎷ (Resistance 10kΩ or More)
2 : DC 0～100㎷ (Resistance 100kΩ or More)
3 : DC 0～5V (Resistance 5kΩ or More)
4 : DC 0～10V (Resistance 10kΩ or More)
5 : DC 1～5V (Resistance 5kΩ or More)
6 : DC 0～1㎃ (Resistance 0～15kΩ)
7 : DC 0～20㎃ (Resistance 0～750Ω)
8 : DC 4～20㎃ (Resistance 0～750Ω)
9 : Other Special Spec.
N : No Output (Only Output 2)

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

♧ Dimension