

ADM230T Process Signal Transmitter with Adj. Response Time

- Suitable for SIL 1, 2 & 3 applications
Suitable for combinations of process inputs and outputs
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
110Vdc $\pm 20\%$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
(Current Sink option 30Vdc max external)
Voltage source up to 10V. Max current 20mA

Response Time

Response time can be adjusted via a 15 turn blindset potentiometer.
Typical adjustment range of 1 to 20 seconds.
(Other ranges available on request)

Isolation

1000V RMS Input/Output/Supply/Earth.

Accuracy/Linearity

Linearity $< \pm 0.1\%$ (Span)

Environmental Conditions

Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Options

J = An input jack for injecting an external signal into the input without disturbing the loop.

DI = A 3½ digit display of the input or output in units to suit

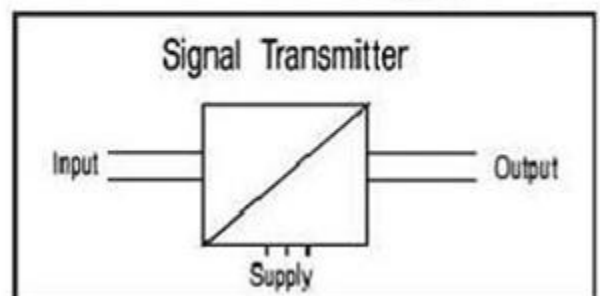
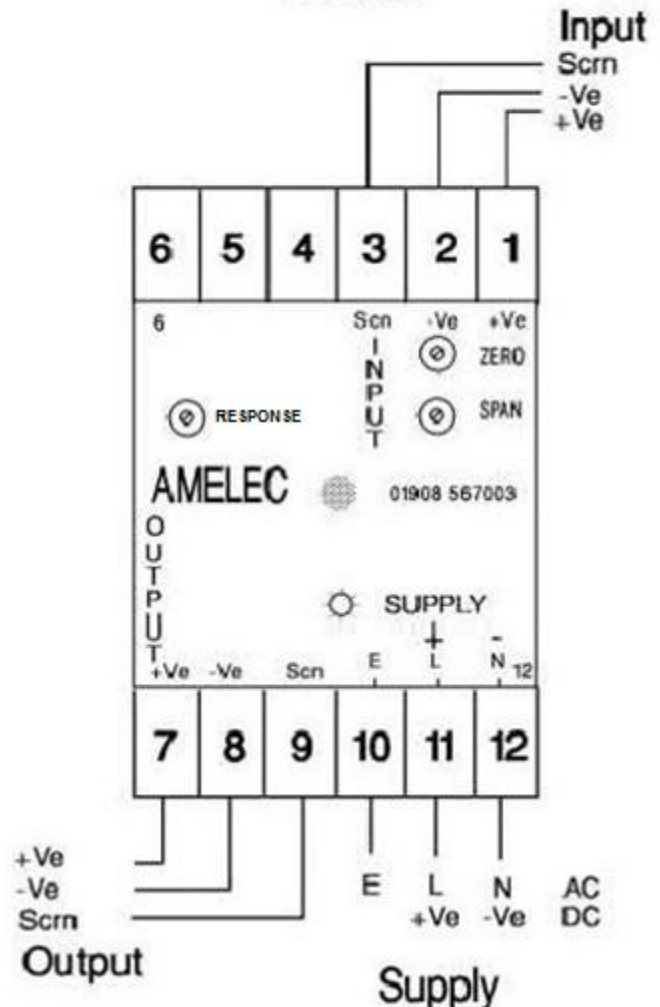
K = RFI Protection to IEC61000-4-3

HV = High Voltage I/P ranges, up to 1000Vdc

Typical Input

Current 4-20mA 20Ω
Voltage 0-10Vdc 1MΩ

WIRING



Typical Output

Current 4-20mA max load 1200Ω
Voltage 0-10Vdc min load 500Ω

Dimensions

50w x 75h x 110d (mm)