

ADM230X Signal Isolator Booster

- 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

4-20mA (impedance 20 ohms)

Output

4-20mA @ 60V drive (max load 2,400 ohms)

Performance

Input open circuit response: Downscale drive, output loop low limit at 3mA.

Output open circuit response: Input open circuit

Isolation

1000V RMS Input/Output/Supply.

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

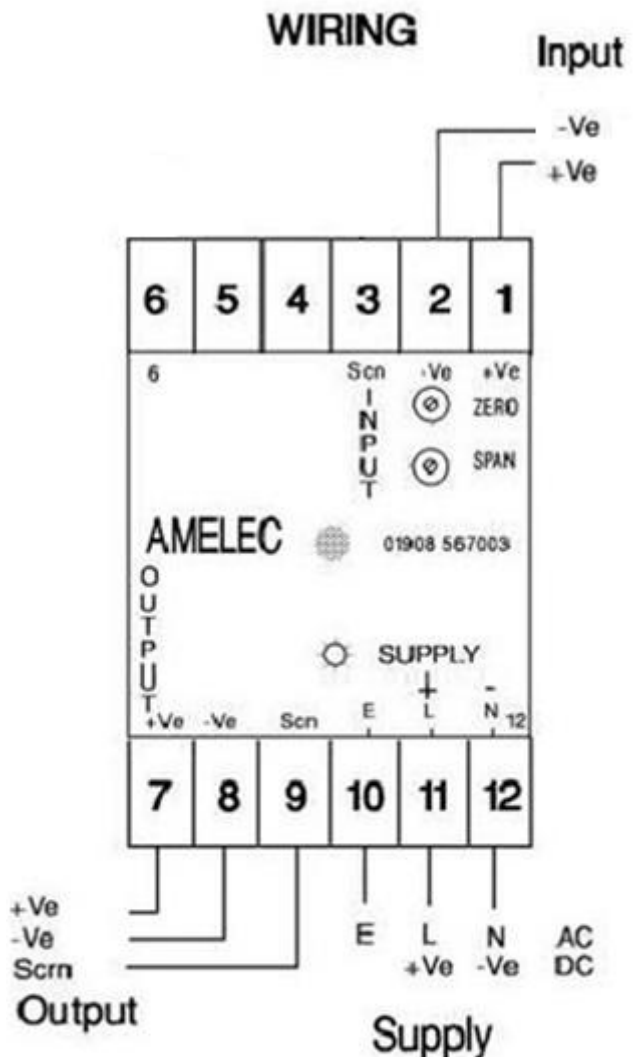
K = RFI Protection to IEC61000-4-3

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

Typical Input

Current 4-20mA 20Ω

Voltage 0-10Vdc 1MΩ



Typical Output

Current 4-20mA max load 1200Ω

Voltage 0-10Vdc min load 500Ω

Dimensions

50w x 75h x 110d (mm)