

## ADM230X-HP Signal Converter

- 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 120mA. Drive voltage 10Vdc  
(Current Sink option 12Vdc max external)  
Voltage source up to 10V. Max current 120mA

#### 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.

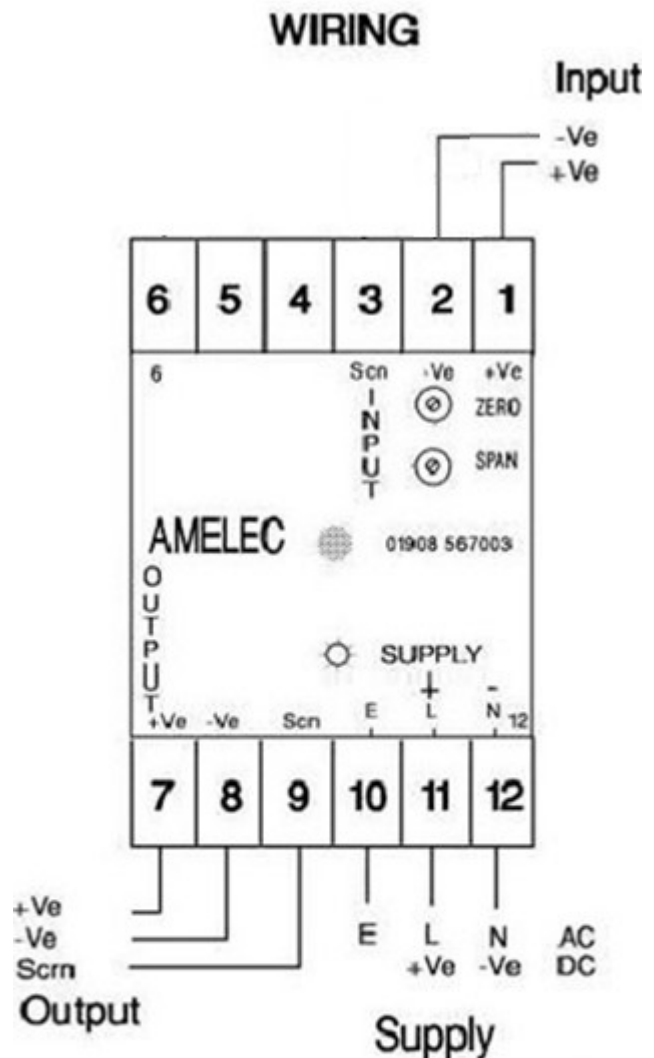
**DI** = A 3½ digit display of the input or output in units to suit

**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 0 - 100mA max load 100Ω  
Voltage 0-10Vdc min load 100Ω

#### Dimensions

50w x 75h x 110d (mm)