

## ADC311X Reverse Acting Transducer with Output Limiter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for AC voltage variations in the range 10 to 500Hz, 50mV to 100V
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- 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 50mV span. A signal with a dc offset can be handled, the polarity as shown on the termination detail to be observed.

#### Output

Any standard process current or voltage  
Current source up to 20mA. Drive voltage 24Vdc  
Voltage source up to 10V. Max current 20mA

#### Isolation

1000V RMS Input/Output/Supply/Earth  
(500Vdc if RFI option (K) is specified)

#### Environmental Conditions

Storage Temperature:  $-40^{\circ}\text{C}$  to  $+70^{\circ}\text{C}$   
Operating Ambient:  $-15^{\circ}\text{C}$  to  $+55^{\circ}\text{C}$   
Relative Humidity: 5% to 95% RH

#### Dimensions

50w x 75h x 110d (mm)

#### Typical Input

Voltage 0-5Aac

#### Typical Output

Current 20-4mA load 1200 $\Omega$   
Voltage 10-0Vdc load 500 $\Omega$

