

## ADM223 RTD Differential Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any BS1904 2 Wire RTD's
- 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

From 2x2 wire resistance temperature sensors

#### 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)  
Linearity  $< \pm 0.1\%$

#### Environmental Conditions

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

#### Input Load / Output Drive

#### Typical Input

2 x 2 wire sensors 0-100°C

#### Typical Output

Current 4-20mA max load 1200Ω  
Voltage 1-5Vdc min load 250Ω

#### Dimensions

50w x 75h x 110d (mm)

