

ADM224 RTD Differential Transmitter with Dual Outputs

- 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
(The outputs may be different)
Current source up to 20mA. Drive voltage 2x11Vdc
Voltage source up to 10V. Max current 20mA

Isolation

1000V RMS*. Input/Output1/Output2/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 500Ω
Voltage 1-5Vdc min load 250Ω

Dimensions

50w x 75h x 110d (mm)

