

ADM225 RTD Differential Signal Trip 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 11Vdc
 Voltage source up to 10V. Max current 20mA
 Trip Output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive)

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 550Ω
 Voltage 0-10Vdc min load 500Ω

Dimensions

50w x 75h x 110d (mm)

