

ADM243 Slidewire Differential Signal Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS1904 2 wire RTD
- Supply voltages:
 - 115Vac ±20%
 - 240Vac ±20%
 - 24Vdc ±2.5V
 - 48Vdc ±5V
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

2 x 2 Wire from Slidewires

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 <±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 resistance variations

Typical Output

Current 4-20mA max load 550Ω
 Voltage 1-5Vdc min load 500Ω

Dimensions

50w x 75h x 110d (mm)

