

ADM210X Thermocouple Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS1904 2, 3 or 4 Wire RTD
- 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 signal developed from a thermocouple greater than 4mV. Automatic cold junction compensation fitted as standard.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc (Sink port optional, 30Vdc MAX external)
Voltage source up to 10V. Max current 20mA.

Isolation

1000V RMS*. Input/(Outputs 1+2)/Supply/Earth
*(500Vdc if RFI option (K) is specified)
Linearity $\leq \pm 0.1\%$ span

Environmental Conditions

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

Input Load / Output Drive

Typical Inputs

0-100°C 3 Wire RTD
-10 to +50°C 3 Wire RTD
-100 to +500°C 3 Wire RTD

Typical output

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

Dimensions

50w x 75h x 110d (mm)

