

ADM212DILX Thermocouple Trip Amplifier with Display

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any BS4937 Thermocouple
- 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.

Analogue 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/Output/Contacts/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 Inputs

0-1000°C Type K

Typical output

Current 4-20mA max load 550Ω
Voltage 0-10Vdc min load 500Ω

Dimensions

50w x 75h x 145d (mm)

