

ADM216X Thermocouple Trip Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any BS4937 Thermocouple
- Supply voltage 24Vdc $\pm 2.5V$ only
- 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
Current sink up to 20mA. Drive at 30Vdc
Voltage source up to 10V. Max current 20mA

Output Trip

Trip Output is three pairs of Normally Open contacts, rated at 250VAC, 2A, 100VA (resistive) one for each trip.

Isolation

1000V RMS. Input/Output/Supply/Earth
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

0-1000°C Type 'K'

Typical Output

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

Dimensions

50w x 75h x 110d (mm)

