

# **ADM210G(K) Thermocouple Transmitter**

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

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 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% The linearity is achieved by 4 break points in the customer specified temperature range. In most cases better than 0.1% is achievable. To find out worst possible error for your application please contact our technical sales team.

## **Environmental Conditions**

Storage Temperature:  $-40 \text{ to } 70^{\circ}\text{C}$ Operating Ambient:  $-15 \text{ to } 55^{\circ}\text{C}$ Relative Humidity: 5-95 RH

### Input Load / Output Drive

## Typical Inputs

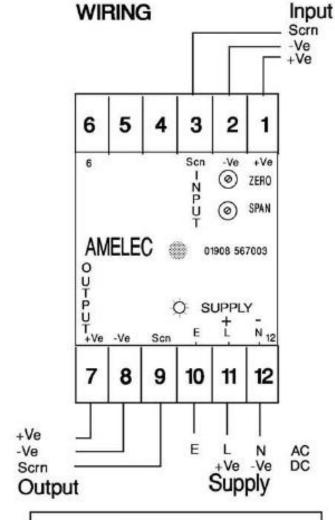
0-1000°C Type 'K'

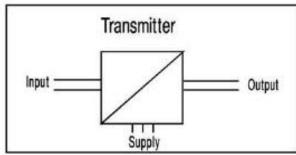
## Typical output

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

#### **Dimensions**

50w x 75h x 110d (mm)





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