

ADM216K (BI)(V)(L)(DI) Thermocouple Trip Transmitter

- Suitable for SIL 1, SIL2 & SIL3 rated safety loop applications
- Suitable for any BS4937 Thermocouple type
- Supply voltages: 24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 (20-1000MHz, $\leq 10V/M$)
- 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

Trip Output

2 sets of changeover contacts, rated at 250VAC, 2A, 100VA (resistive). Latching relay option available with Local or Remote reset. Red LED indication of Relay status standard (Red/Green BI-colour LED optional)

Display option available on request (DI); Temperature I/P on a 3½ digit LCD front facia display.
Read buttons shows the trip set points within the temp. range (DI Calibration Range: -1999 to +1999)

Isolation

500Vdc. Input/Output/Contacts/Supply/Earth
I/P O/C response UPSCALE as standard
Fail safe on loss of power
(O/C DOWNSCALE response available F.O.C on request)

Performance

Deadband: 1% standard (variable 1-20% optional)
Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: $< 100ms$

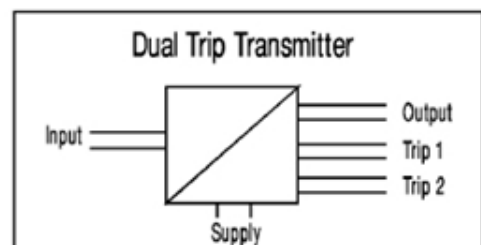
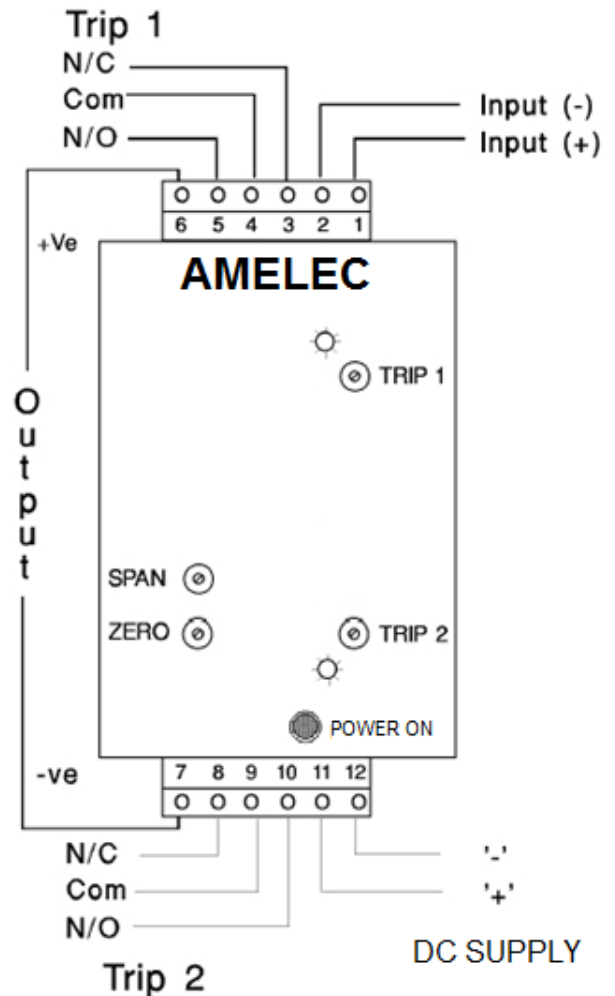
Environmental Conditions

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

Dimensions

50w x 75h x 182d (mm)

WIRING



Mounting

Standard DIN RAIL or Surface Keyhole plate & Front Panel options available.

Customer Termination

Fixed screw terminals as standard
(Plug-in terminals optional)

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