

ADM216GX2 Thermocouple Trip Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for BS4937 Thermocouple
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Performance (Span 0-1000°C)

Output non-linearity: $\pm 2C$
Trip repeatability: $\pm 0.1\%$
Response time: $< 400ms$

Environmental Conditions

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

Technical Specifications

Input

Any signal developed from a thermocouple greater than 4mV. Cold junction provided.

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 20Vdc
Voltage source up to 10V. Max current 20mA.
Input O/C drive: Upscale

Contact Output

In a typical high/low trip application, the trip will change state when the input goes beyond the trip levels set and return to normal when it moves 1%, back into the healthy state.

Trip 1: Relay D.P.C.O. rated 240Vac, 2A 100VA resistive.
Trip 2: 1xRelay D.P.C.O. 1xS.P.C.O. rated 240Vac, 2A 100Va resistive.

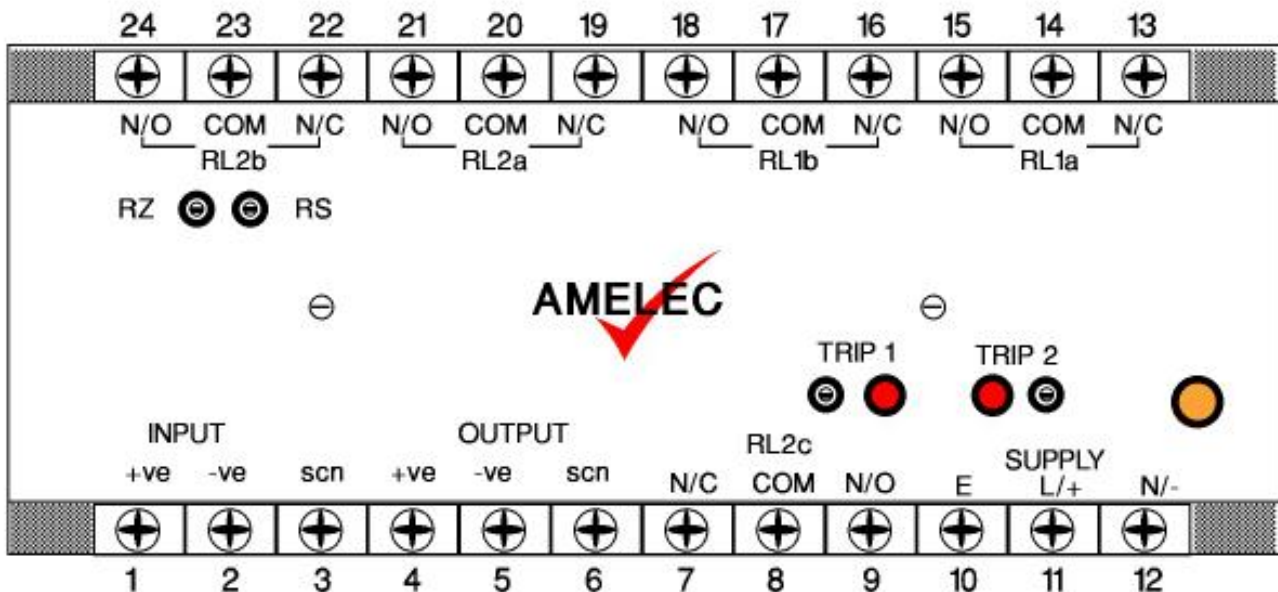
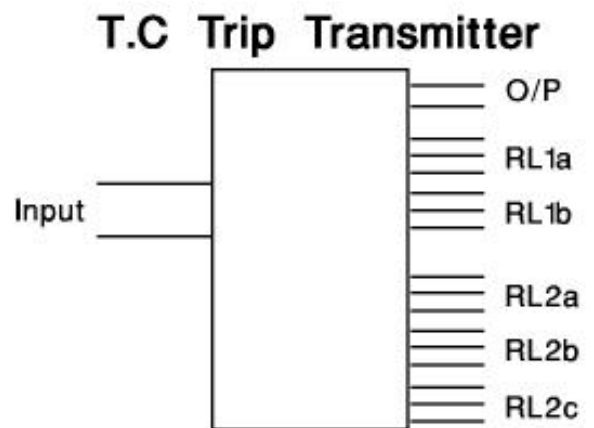
Loss of power / Input Open Circuit: Trips fail safe (de-energise).

Isolation (1KV RMS)

Input/Output/Contacts/Supply/Earth

Dimensions

152w x 81h x 137d (mm)



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