

ADT132LX Process Trip Amplifier

- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty
- Suitable for SIL 1 or 2 Safety Loop (1oo1 architecture)
- Digital Indicator available

Technical Specifications

Input

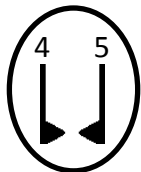
- Any current or voltage drive that can be terminated in a PI network to produce a 400mV span
- Remote Contact Closure to reset T3 latching relay

Outputs

Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).
Relays De-energise on Trip, Red LED indicator extinguishes.

Operation

Trip 1 = Low/Fault @ 3-6mA (Loss of sensor or open/short circuit input)
Trip 2 = High Alarm 1% hysteresis to reset
Trip 3 = High-High Trip, Latching Relay, Remote Reset



Input Open/Short Circuit Response

T1 = Downscale Drive
T2 + T3 = Upscale Drive

Performance

Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: $< 100\text{ms}$

Environmental Conditions

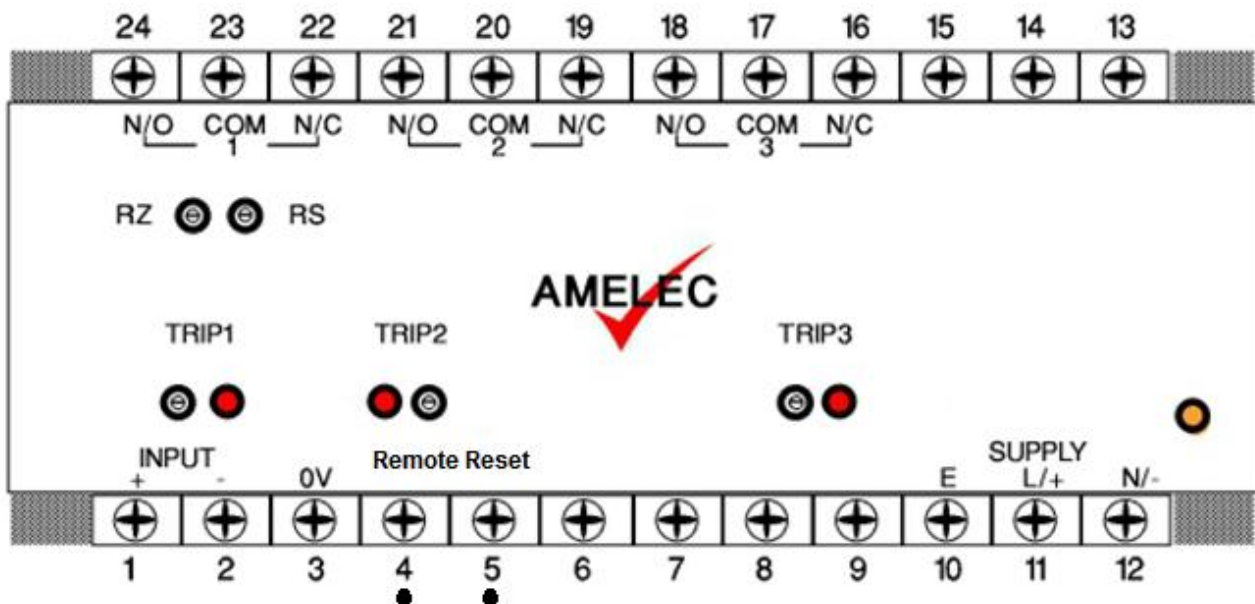
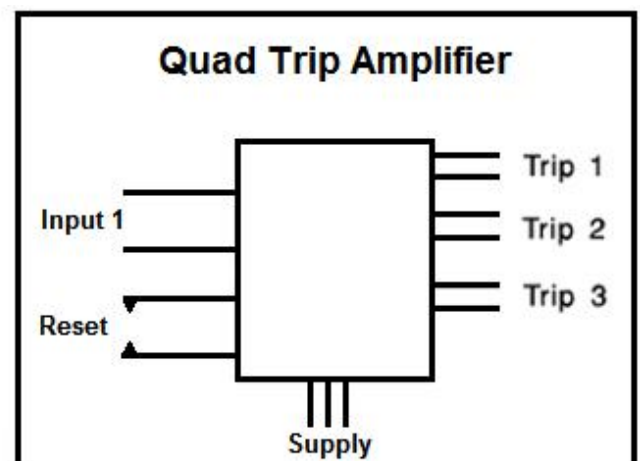
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Isolation

1000V RMS. Input/Output/Contacts/Supply

Dimension

152w x 81h x 137d (mm)



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