

ADT131LX- 4 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

1. Any current or voltage drive that can be terminated in a PI network to produce a 400mV span
2. Remote Contact Closure to reset Trip 1a,b,c latching relay contacts.

Outputs

Each set of S.P.C.O contacts, rated at 250VAC, 2A, 100VA (resistive).

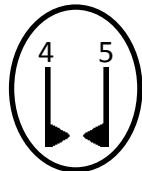
Relays De-energise on Trip, Red LED indicator extinguishes on Trip.

Operation

High Trip Set Point for rising input level Alarm

Trip Relay Contact 1a,b,c= High, Latching Relay, Remote Reset

Trip Relay Contacts 1d = High 1% hysteresis to reset



Input Open/Short Circuit Response
Trip1 (a,b,c,d) Upscale Drive

Performance

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

Environmental Conditions

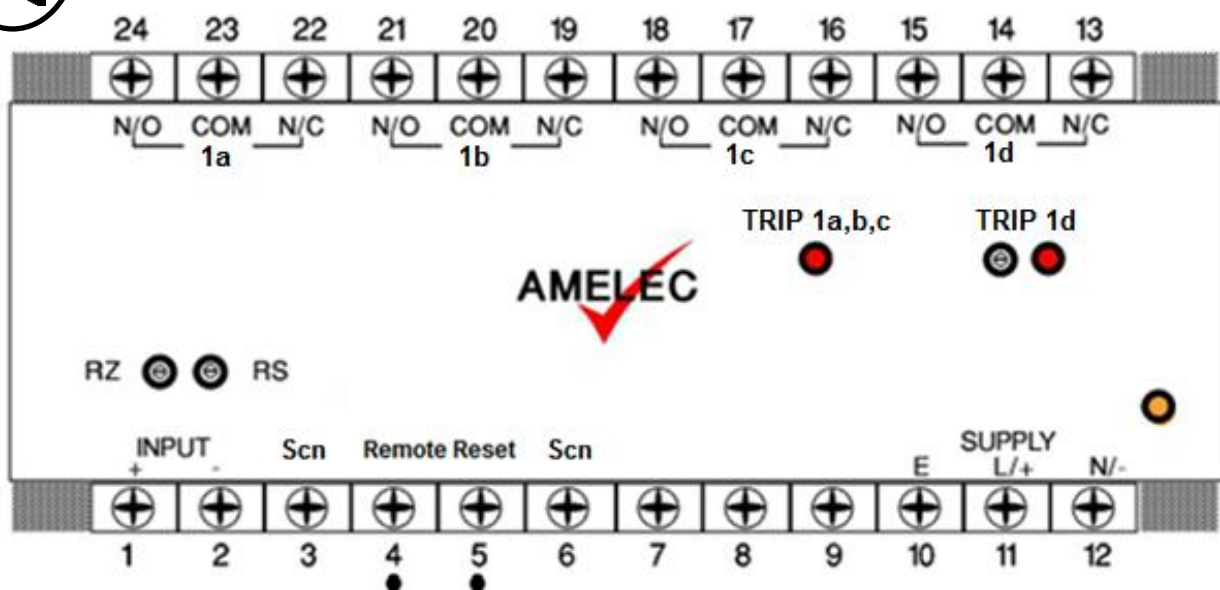
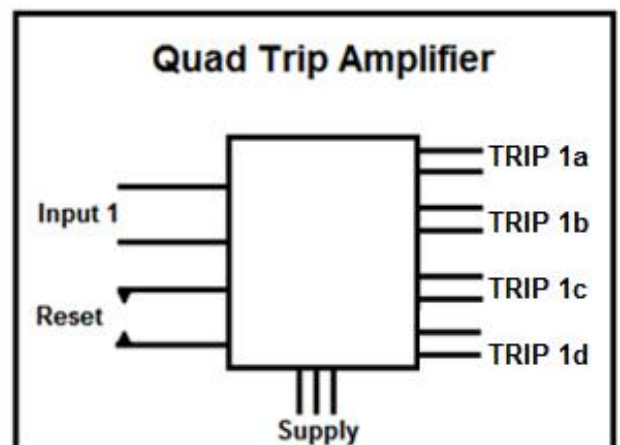
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Isolation

1000V RMS. Input/Output/Contacts/Supply

Dimension

152w x 81h x 137d (mm)



Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ