

# **ADT131KLX- 4 Process Trip Amplifier**

- Suitable for any process input
- Supply voltages: 24Vdc ±2.5V 48Vdc ±5V
- RFI Protection to IEC61000-4-3 (20-1000MHz, ≤10V/metre)
- AMELEC Standard 10 year warranty
- Suitable for SIL 1 or 2 Safety Loop (1001 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 for High Trip applications Downscale Drive for Low Trip applications

### Performance

Trip settability: $\pm 1\%$ Trip repeatability: $\pm 0.1\%$ Response time:<100mS</td>

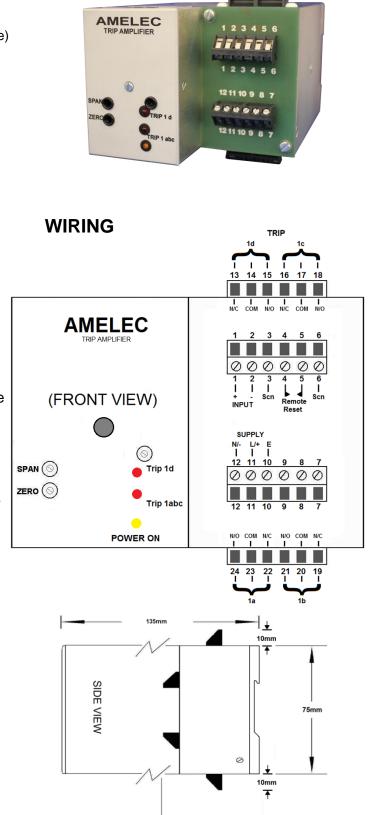
#### Environmental Conditions

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

Isolation

500Vdc Input/Output/Contacts/Supply

<u>Dimension</u> 100w x 75h x 135d (mm)



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Tel: 01908-567003 Email: <u>sales@amelec-uk.com</u> Visit: <u>www.amelec-uk.com</u> Fax: 01908-566735 AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ