

## ADT131KLX- 4 Process Trip Amplifier

- Suitable for any process input
- Supply voltages: 24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- RFI Protection to IEC61000-4-3 (20-1000MHz,  $\leq 10V/metre$ )
- 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 for High Trip applications  
 Downscale Drive for Low Trip applications

#### Performance

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

#### Environmental Conditions

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

#### Isolation

500Vdc Input/Output/Contacts/Supply

#### Dimension

100w x 75h x 135d (mm)

### WIRING

