

## ADT131X Failsafe Process Single Trip Amplifier

- Suitable for SIL 1, 2 or 3 applications
- Suitable for any process input
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$   
12Vdc  $\pm 1.2V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

#### Output

In a typical High Trip application, the trip relay will De-energise and Red LED will extinguish when the input exceeds the level set on TRIP 1 and return to normal when it falls back 1% below the set point.

Output relay will De-energise on a high level trip or on Input open circuit condition, as well as for Loss of power.

#### Isolation

1000V RMS\* Input/Output/Supply/Earth  
\*(500Vdc if RFI option 'K' is specified)

#### Environmental Conditions

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

#### Input Load / Output Capacity

##### Input

Minimum Input span 400mV

##### Output

D.P.C.O. 250Vac 2A 100VA resistive

#### Dimensions

50w x 75h x 110d (mm)  
50w x 75h x 182d (mm) for 'K' option enclosure with full RFI protection

### WIRING

