

ADT131X Failsafe Process Single Trip Amplifier

- Suitable for SIL 1, 2 or 3 applications
- Suitable for any process input
- Supply voltages: 115Vac ±20%

240Vac ±20% 24Vdc ±2.5V 48Vdc ±5V 12Vdc ±1.2V

- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

<u>Input</u>

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

<u>Output</u>

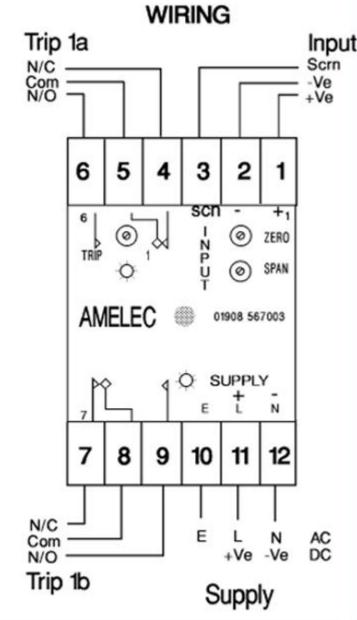
D.P.C.O. 250Vac 2A 100VA resistive

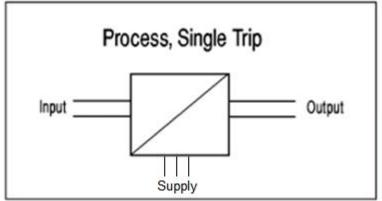
Dimensions

50w x 75h x 110d (mm)

50w x 75h x 182d (mm) for 'K' option enclosure

with full RFI protection





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