

ADT131DIX Process Trip Amplifier with Display

- Suitable for SIL 1, 2 & 3 applications
- Suitable for process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- 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

Outputs

S.P.C.O. contacts 250Vac 2A 100VA resistive. In a typical high trip application, the trip will change state when the input exceeds the level set on the external 5K Ω potentiometer and return to normal when it falls 1% below it.

Display of the I/P signal on a 3½ digit LCD.

Front facia read buttons show the trip set point.

Calibration Range: -1999 to +1999

Isolation

1000V RMS Input/Output(s)/Supply/Earth
Open circuit response supplied as Upscale (but can be changed to Downscale on site).

Performance

Trip settability: $\pm 1\%$ *
Trip repeatability: $\pm 0.1\%$ *
Response time: <400mS

* (may be affected by the external potentiometer)

Environmental Conditions

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

Dimensions

50w x 75h x 137d (mm)

