

ADT131PX Trip Amplifier

- Suitable for SIL 1, 2 or 3 rated safety loop applications (IEC61508-2)
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- RFI Protection to IEC61000-4-3 (<10V/m)
- AMELEC Standard 10 year warranty
- Digital Indication available

Technical Specifications

Input

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

Deadband

Standard 1% Span
(Adjustable from 0.5 to 20% of span available)

Outputs

Output is a set of DPCO contacts, rated at 250VAC, 2A, 100VA resistive.
Red Led indication Energised / Relay de-energised on Trip

Isolation

500V dc Input/Contacts/Supply/Earth
Open circuit response standard Downscale.
(Upscale response option available)

Performance

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

Environmental Conditions

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

MOUNTING / DIMENSION

Enclosure: 50w x 75h x 146d (mm)
Cut out: 51w x 76h (mm)
Front panel bezel: 57w x 96h (mm)
Mounting: Panel
Weight < 300g

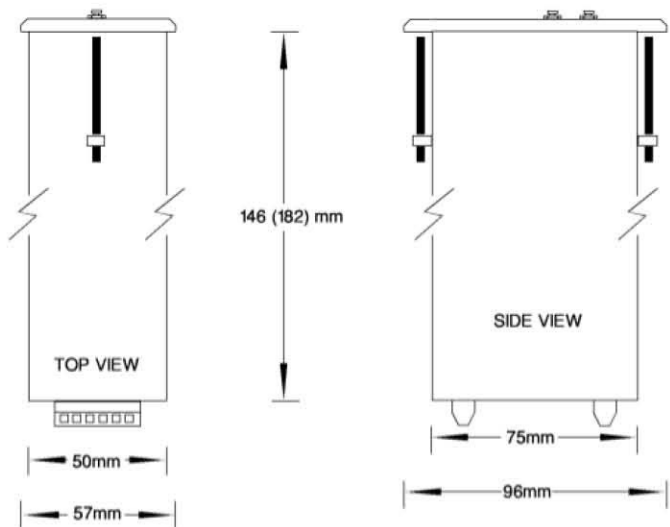
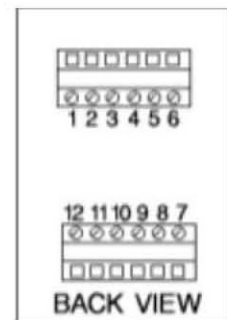
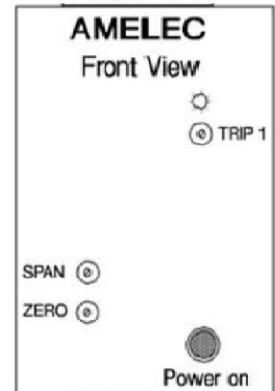
Note: Please ensure panel mounting brackets are fixed securely and safely. Use Loctite glue to fixing screws in applications subject to vibration.

IP Rating: Standard IP40 (optional IP65 Front cover available)

TERMINATION

Input +	1
Input -	2
Earth	3
RL1-NC	4
RL1-COM	5
RL1-NO	6
RL1-NC	7
RL1-COM	8
RL1-NO	9
Earth	10
Supply + / L	11
Supply - / N	12

FRONT VIEW



FUNCTION BLOCK DIAGRAM

