

ADT182X-3 Frequency Trip Amplifier

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any pulse/frequency input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- With Amber Power ON indicator
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Option of sine, square or sawtooth waveform.
Minimum 0 to 100%: 25Hz. Maximum 10Khz

Output

Each trip output is a set of N/O or N/C contacts, rated at 250VAC, 2A, 100VA resistive.

2 x High Frequency Trip Set Points (TRIP 1 & 2)
1 x Low / Loss of sensor set point (TRIP 3)

Red LED indication of each relay output status,
ON = Healthy, Extinguish on TRIP

Isolation

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

Performance

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

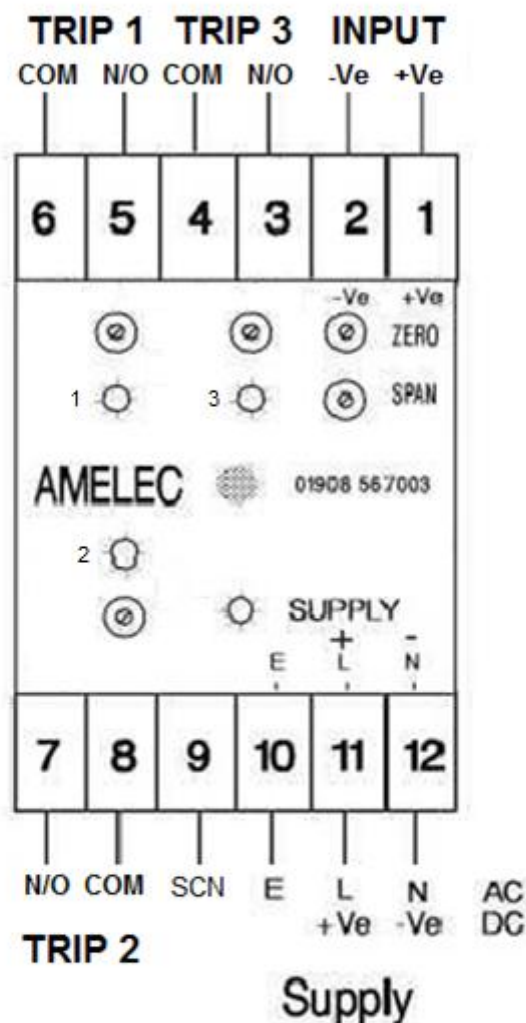
Environmental Conditions

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

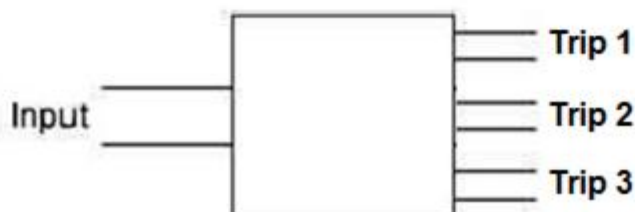
Dimensions

50w x 75h x 110d (mm)

WIRING



3-Way Set Point Trip



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