ADT182LXT Pulse/Frequency Trip Amplifier

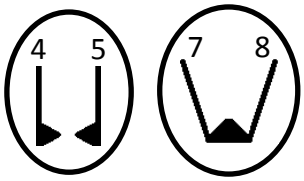
- Supply voltages:
  115Vac ±20%
  240Vac ±20%
  24Vdc ±2.5V
  48Vdc ±5V
- AMELEC Standard 10 year warranty
- Suitable for SIL 1 or 2 Safety Loop (1oo1 architecture)
- Digital Indicator option available

Technical Specifications

Input
1. Option of pulse, sine, square or sawtooth waveform. Minimum o to 100% Span: 25Hz, maximum Span 15KHz
2. Remote Control Contact Closure to reset T2 latching relay
3. Remote Control Contact Closure T1 inhibit (run/stop command, with adjustable Delay time on start-up)

Outputs
Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).
Relays De-energise on Trip, Red LED indicator extinguishes.

Operation
Trip 1 = Low/Fault @ 0.1% Span (Loss of sensor or open/short circuit input)
Trip 2 = High Trip, Latching Relay, Remote Reset



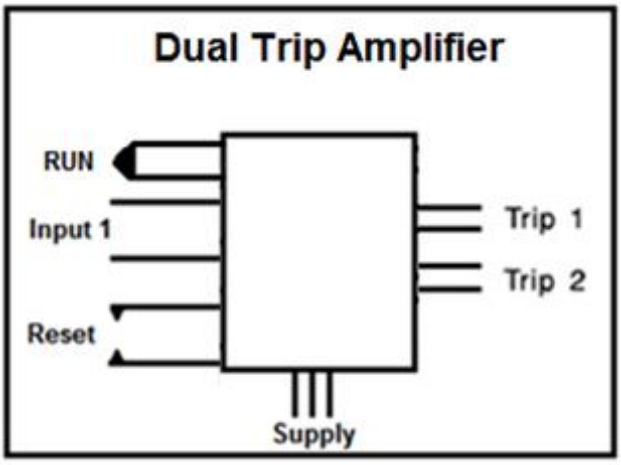
Input Open/Short Circuit Response
T1 = Downscale Drive

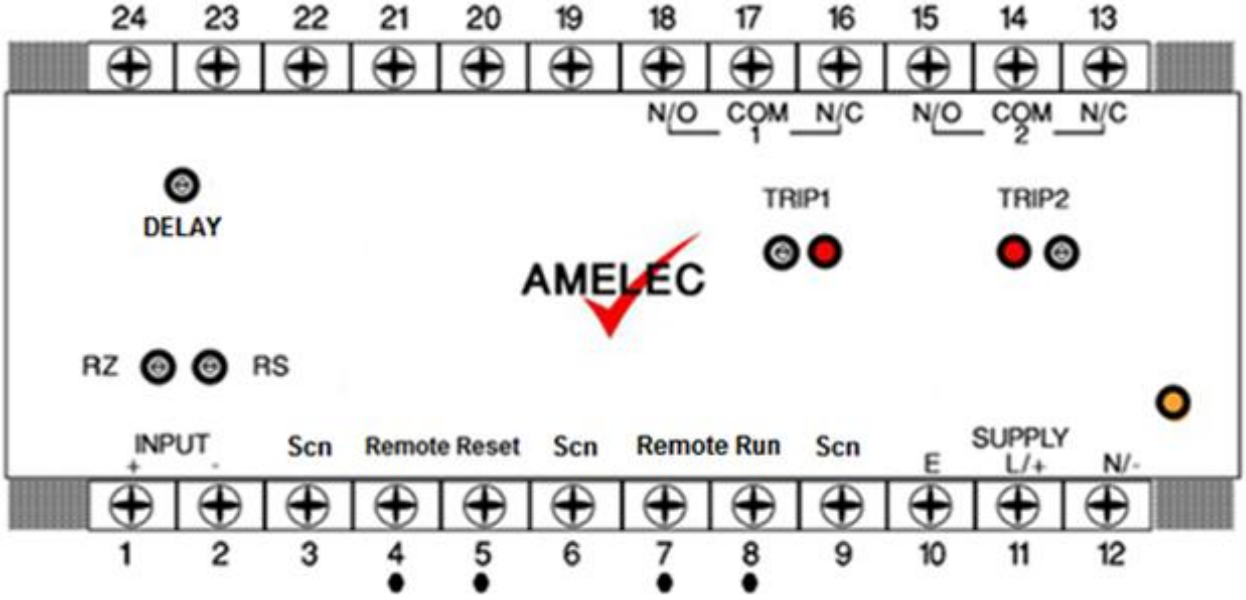
Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: <400mS

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

Isolation
1000V RMS. Input/Output/Contacts/Supply

Dimension
152w x 81h x 137d (mm)





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