

## ADT182LXT Pulse/Frequency Trip Amplifier

- Supply voltages:
  - 115Vac  $\pm 20\%$
  - 240Vac  $\pm 20\%$
  - 24Vdc  $\pm 2.5V$
  - 48Vdc  $\pm 5V$
- 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 0 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

#### Performance

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

#### Environmental Conditions

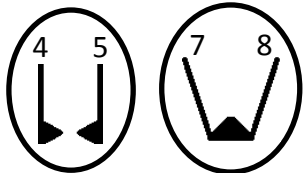
Storage Temperature:  $-40$  to  $70^\circ\text{C}$   
Operating Ambient:  $-15$  to  $55^\circ\text{C}$   
Relative Humidity: 5 – 95% RH

#### Isolation

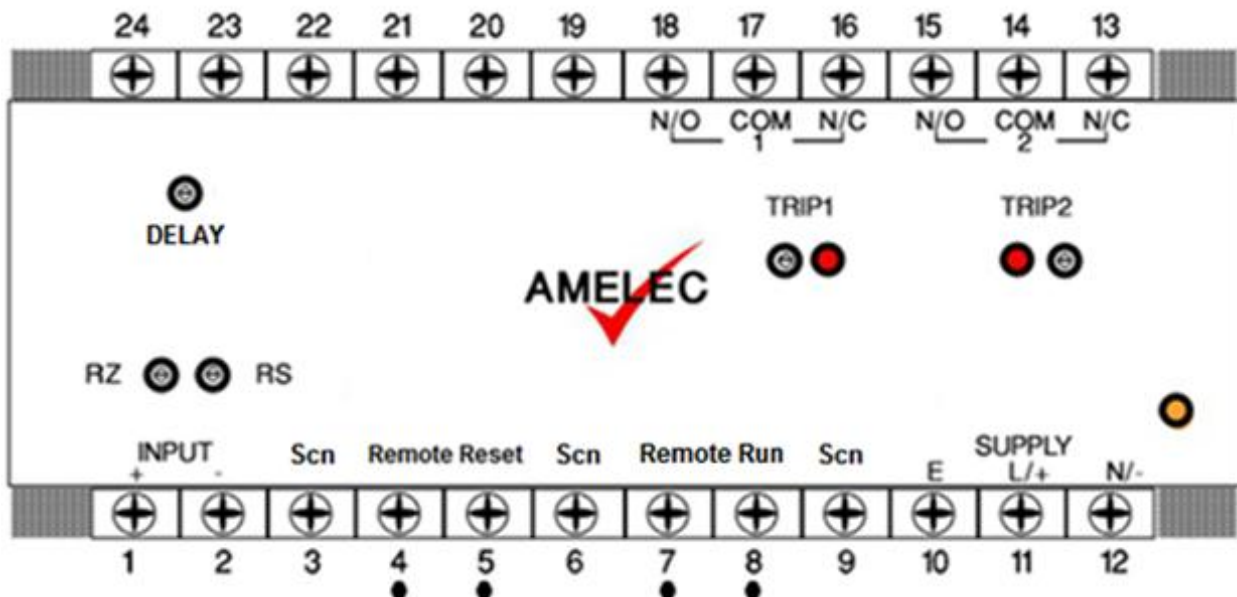
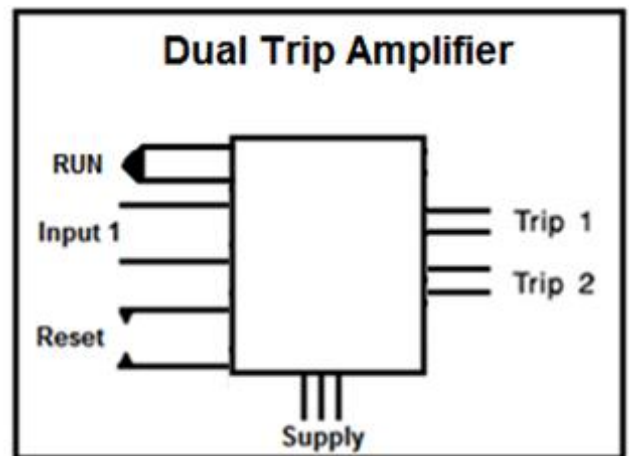
1000V RMS. Input/Output/Contacts/Supply

#### Dimension

152w x 81h x 137d (mm)



Input Open/Short Circuit Response  
T1 = Downscale Drive



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