

## ADT151X-3 Three Channel AC I/V Trip Amplifier

- Suitable for SIL 1 & SIL 2 rated (EN61508-2) safety instrumented system (SIS) loop applications
- Supply Voltage options: 20Vac  $\pm 20\%$   
115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 10\%$   
48Vdc  $\pm 10\%$
- Front fascia Digital Displays available ('DI Option)
- Non-Smart/Non-uProcessor based, Type A instrument
- AMELEC Standard 10 year warranty

### Performance

Trip settability:  $\pm 1\%$   
 Trip repeatability:  $\pm 0.1\%$   
 Response time:  $< 400\text{ms}$  (0-100% input step change)  
 Input O/C response: Downscale drive as standard

### Environmental Conditions

Storage Temperature:  $-40$  to  $+70^\circ\text{C}$   
 Operating Ambient:  $-15$  to  $+55^\circ\text{C}$   
 Relative Humidity: 5 – 95% RH (Non-Condensing)  
 EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

## Technical Specifications

### Inputs

Typically 0-20V up to 300V, 0-1A or 0-5Amp AC ranges.  
 Intermediate ranges available at no extra cost.  
 (Frequency range 10-400Hz as std, up to 5KHz available)

### Relay Outputs

Any combinations of High or Low Trips may be specified.  
 Each of the three channel trip outputs is a set of single pole changeover contacts, rated at 250VAC, 2A, 100VA (resistive).  
 Fail Safe Relays De-energise on Trip & on loss of power as std.  
 Deadband:: Fixed 1% span hysteresis as standard,  
 Variable 1-20% span hysteresis ('V' option) available  
 Red LED indication of each Relay status; ON Energised,  
 Extinguished in Trip/De-energised state.

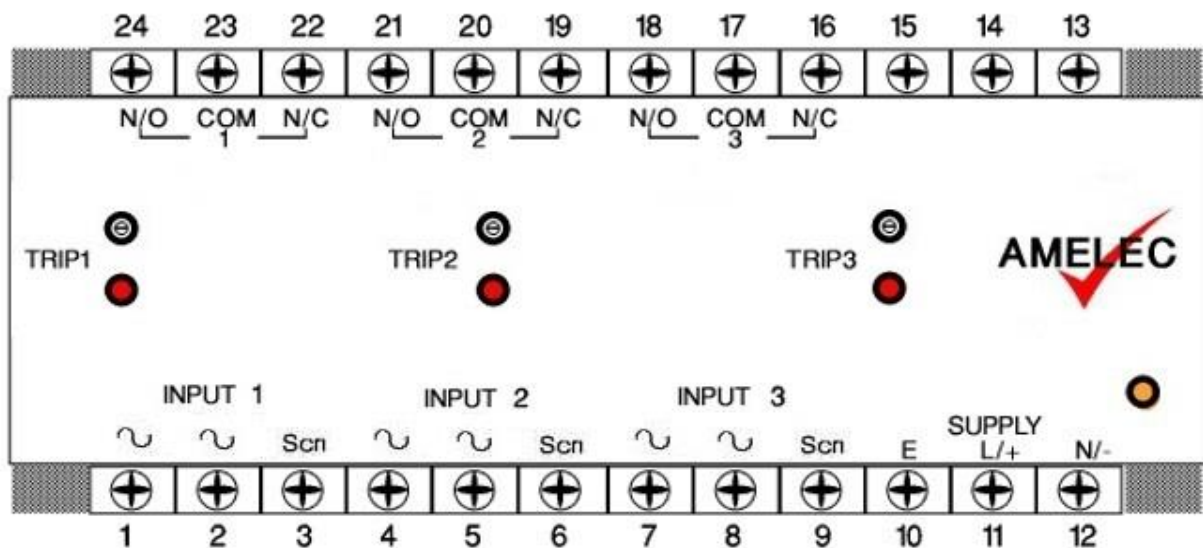
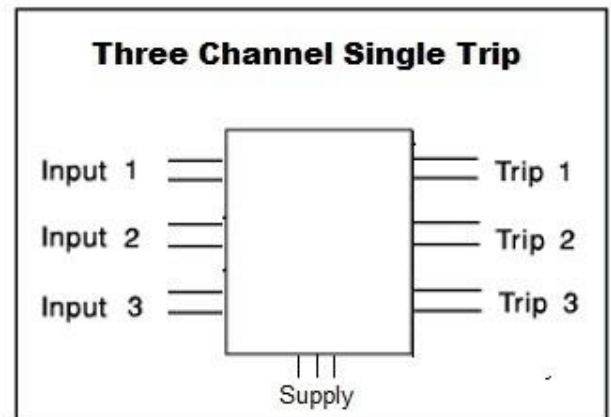
### Isolation

1000V RMS. Input1/Input2/Input3/(Contacts-Contacts)/Supply/Earth

### Mounting / Dimensions

Din Rail (TS35)

Enclosure: 152w x 81h x 137d mm



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