

## ADT138X-5 Process Quintuple Trip Amplifier

- Suitable for any process input
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- AMELEC Standard 10 year warranty
- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508) safety system loop applications

### Performance

Trip settability:  $\pm 0.1\%$   
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

## Technical Specifications

### Input

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

### Outputs

Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).

### Controls

Zero / Span ( $\pm 20\%$ ): 15 turn potentiometers for Factory calibration only.  
5 x Trips, 15 turn potentiometers for trip setpoint.

### Indicators

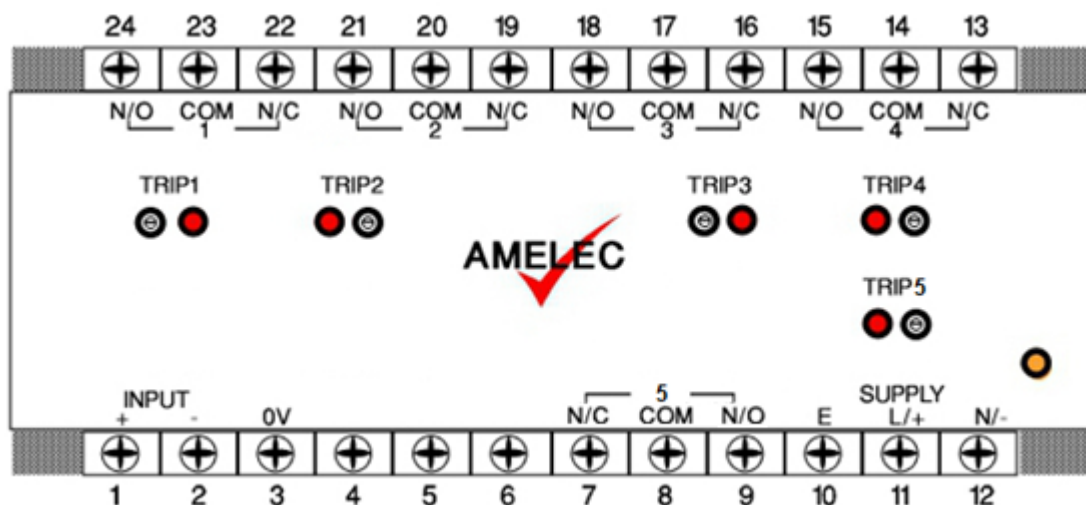
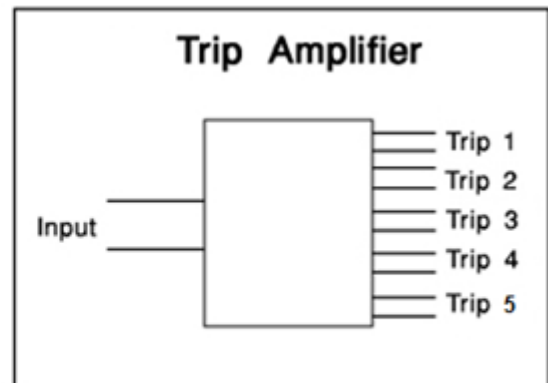
Power : LED, Amber  
Trip: 5 x LED, Red

### Dimension

152w x 81h x 137d (mm)

### Mounting

Standard DIN Rail or Surface



Tel: 01908-567003 Email: [sales@amelec-uk.com](mailto:sales@amelec-uk.com) Visit: [www.amelec-uk.com](http://www.amelec-uk.com) Fax: 01908-566735

**AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ**