

## ADT172DIK Process Trip Amplifier with Display

- Suitable for strain gauge input
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

A millivolt signal with a span greater than 4mV, offset no more than 50% of span.

#### Excitation

A voltage of up to 10V with a maximum current load of no more than 30mA's

#### Output

Each trip output has a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).  
Display of the I/P signal on a 3½ digit LCD.  
Front facia read toggle operated to show the trip set point. Calibration Range: -1999 to +1999

#### Isolation

500VDC Input/Contact(s)/Supply/Earth

#### Performance

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

#### Environmental Conditions

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

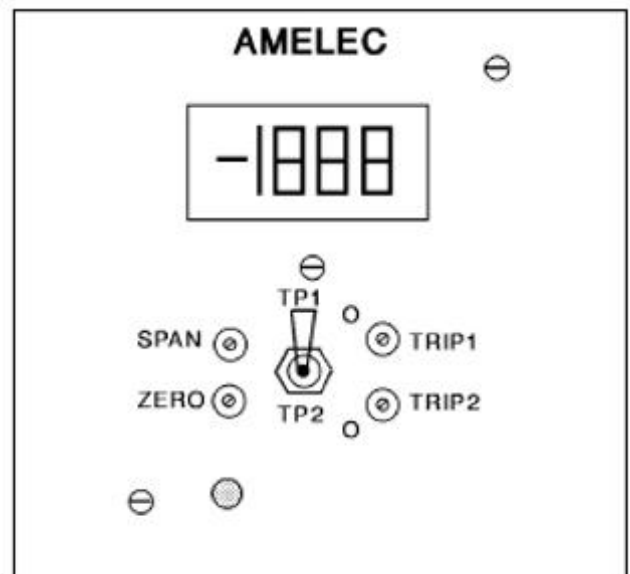
#### Calibration

The trip amplifier is supplied fully calibrated. To check apply 0% to 100% input and check display range reads correctly. If required the Zero and Span controls can be adjusted to bring into range.

#### Setting Trips

The front facia toggle resets in the middle showing the input, raising the toggle will show TRP 1, lowering TRIP 2.

Note: Red LED's show when input in fault condition.  
Red LED energised when relay de-energised.



FRONT PANEL 131.7H X 115.6W X 29.4D

