

## ADT141X Potentiometer Trip Amplifier with External Trip Set

- Suitable for SIL 1, 2 or 3 applications
- Suitable for 2 or 3 wire and slide wire resistance Input variations.
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- RFI Protection to IEC61000-4-3 available ('K' option)
- AMELEC Standard 10 year warranty
- Digital Indication available ('DI' option)

### Technical Specifications

#### Input

From a 3 wire potentiometer, excited at a nominal 400mV's.  
(potentiometer in range 1K potentiometer to 10K)

#### External Setpoint

From a 3 wire potentiometer, excited at a nominal 400mV's.  
(potentiometer in range 1K potentiometer to 10K)

Relay S.P.C.O. rated 2A 240Vac at 100VA resistive

#### Output

In a typical high trip application, the trip will change state when the input exceeds the level set on TRIP 1 and return to normal when it falls 1% below the level set on TRIP 1.

#### Isolation

1000V RMS\* Input/Contacts/Supply/Earth  
\*(500vdc if RFI option 'K' is specified)

#### Environmental Conditions

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

#### Dimensions

50w x 75h x 110d (mm)

### WIRING

