

## ADT139DIV Deviation Trip Amplifier with Display

- Suitable for SIL 1, 2 or 3 applications
- Suitable for any process 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

Any current or voltage drive that can be terminated in a PI network to produce a 400mV spans and share a common zero reference.

#### Output

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

TRIP 1 = A>B      TRIP 2 = B>A

The DB1 and DB2 controls set the deadband clockwise to reduce the deadband (0.5 to 20%)

Display of the difference signal on a 3½ digit LCD.

Front facia read buttons show the trip set point.

Calibration Range: -1999 to +1999

Open Circuit response: Downscale

#### Isolation

1000V RMS\* Input/Output(s)/Supply/Earth

\*(500vdc if RFI option 'K' is specified)

#### Performance

Trip settability:  $\pm 1\%$

Trip repeatability:  $\pm 0.1\%$

Trip deadband:  $\pm 0.5$  to 20% of span

Response time: <400mS

#### Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

#### Mounting/Dimensions

50w x 75h x 145d (mm)

RFI 'K' option: 182d (mm)

