

ADT139DIV Deviation Trip Amplifier with Display

- Suitable for SIL 1, 2 or 3 applications
- Suitable for any process input
- Supply voltages: 115Vac ±20%

240Vac ±20% 24Vdc ±2.5V 48Vdc ±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: ±0.5 to 20% of span

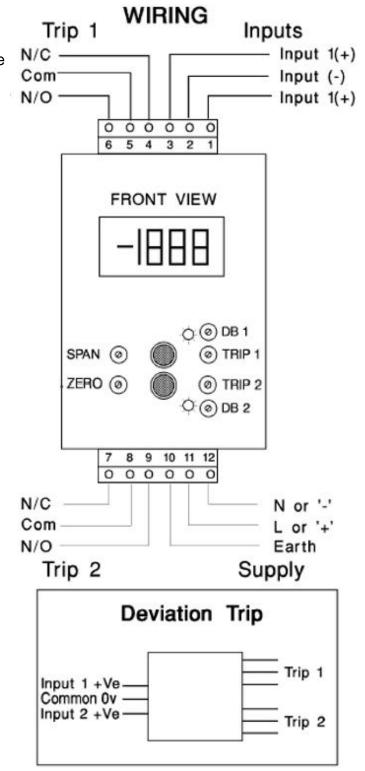
Response time: <400mS

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)



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