

## ADT139DIKX Deviation Trip Amplifier with Display

- Supply voltage: 115VAC  $\pm 20\%$
- RFI Protection (IEC61000-4-3) ( $<10\text{V/m}$ )
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

I/P 1 =  $V_{com}$  = -1 to +6V

I/P 2 =  $V_{back}$  = -1 to +6V

Input impedance 1M ohms 0V's

#### Output

A D.P.C.O. relay changes state on either trip condition contacts, rated at 250VAC, 2A, 100VA, resistive. With the toggle switch resting in the centre position.

Display of the  $V_{com}$  signal on a 3½ digit LCD.

Operating the SET button shows  $V_{back}$

Pushing the toggle to read 1 or 2 shows the multiple of the current  $V_{back}$  signal being displayed

Display calibration: -1.00 to +6.00

#### Trip Settings & Adjustment Range

Trip 1 =  $V_{back} > 1.05V_{com}$

Trip 2 =  $V_{back} < 0.95V_{com}$

Multiplier range: 0.8 to 1.2 of  $V_{back}$

Also trips if  $V_{back} < \text{ZERO}$  setting (-1 to +1V)

#### Isolation

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

#### Performance

Trip settability:  $\pm 1\%$

Trip repeatability:  $\pm 0.1\%$

Response time:  $<400\text{ms}$

#### 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 182d (mm)

