

ADT135DI Trip Amplifier with Wide Hysteresis Control

- Suitable for SIL 1, SIL 2 or SIL 3 rated (IEC61508) safety system loops
- Suitable for process I / V (DC) input Pump / Level control applications
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- Digital Indication of input and trip set points
- Non-Smart / Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010 available, 'K' option.
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span.

Typically: 4-20mA (impedance 20 Ω) or 0-10Vdc (impedance 1M Ω)

O/C response: Downscale as std (Upscale drive 'X' option available)

Trip Relay Output

In a typical high trip application, the trip relay will change state when the input exceeds the level set on TRIP 1 and return to normal when it falls below the level set on TRIP 2.

Relay: S.P.C.O, rated 250VAC 3A 100VA (resistive)

Digital Display

Continuous indication of the input is given on the 3½ digit LCD front fascia Display, scaled in either Engineering units or as 0-100.0% to suit the application.

Read buttons allow trip set points to be adjusted & viewed within the same range on the display.

Isolation

1000V RMS* Input/Contacts/Supply/Earth

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

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

EMC: 2014/30/EU , EN 61326-1:2013

Mounting

Din Rail (TS35) as std **or** Surface by seismic Keyhole plate & Front of Panel mounting option also available on request.

Dimensions

Std enclosure: 50w x 75h x 145d mm

'K' option enclosure: 50w x 75h x 182d mm

(optional Keyhole rear mounting plate Dims = 50w x 130h mm)

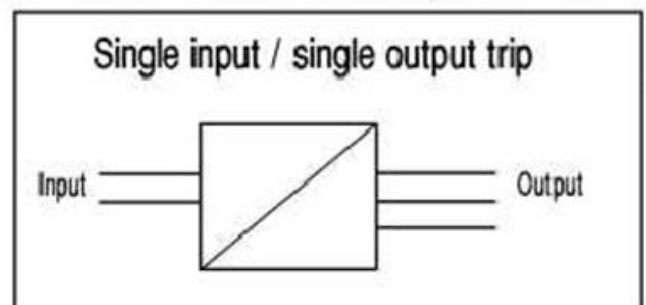
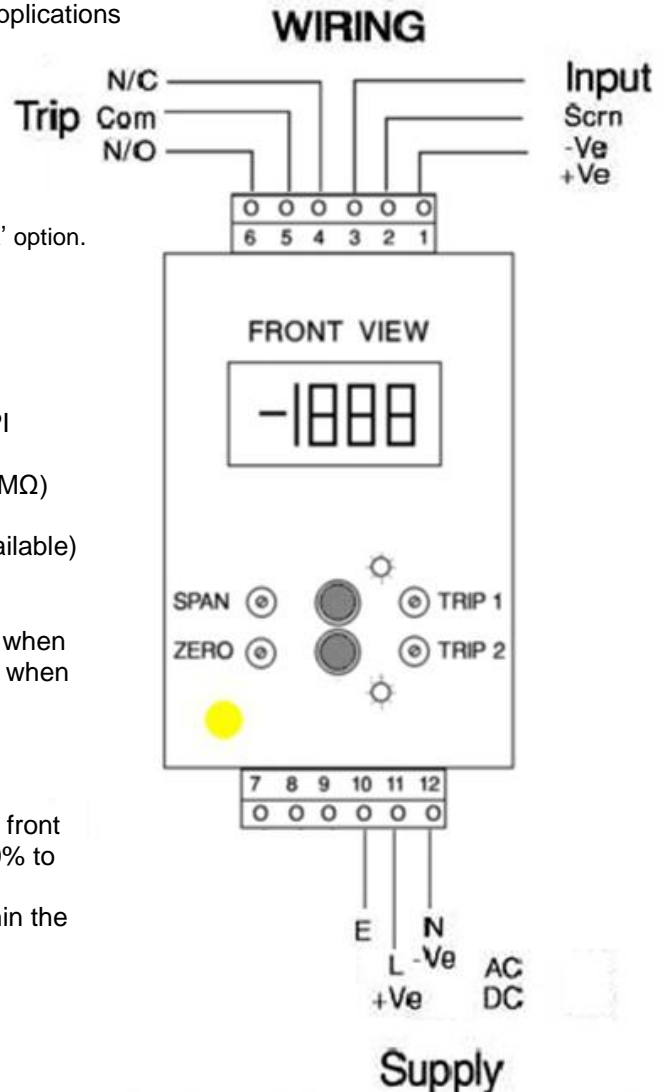
Customer Termination

Fixed screw terminals as standard

(Plug-in terminals available on request)

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ



'K' option RFI protection provides RF immunity to:

20MHz-3GHz / 5.25GHz @ $\leq 10V/m$,

80MHz-1GHz / 5.6GHz @ $\leq 30V/m$,

889MHz / 1.75GHz @ $\leq 40V/m$.