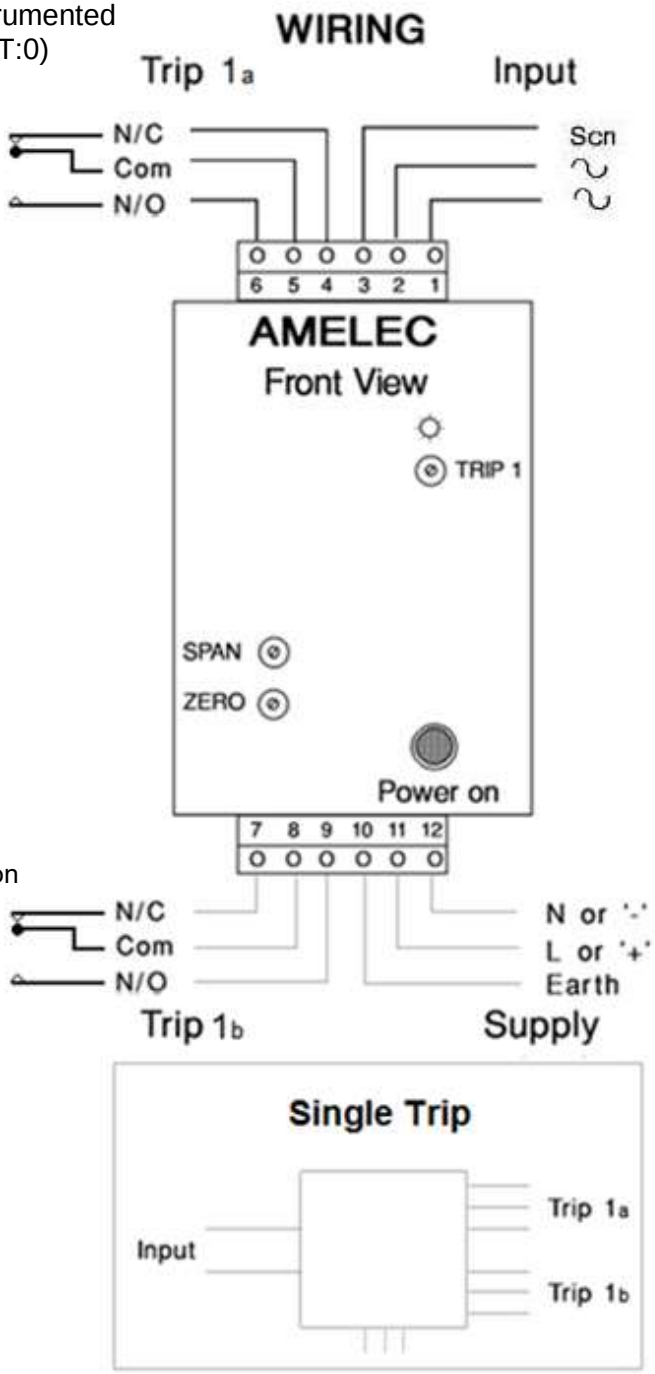
ADT151K AC I/V Trip Amplifier with Single Set Point

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- Non-Smart/Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010
- Front fascia digital Display option available ('DI' option)
- AMELEC Standard 10 year warranty



Technical Specifications

Input
Typically 0-50V up to 300V, 0-100mA up to 0-5Amp AC ranges (ranges up to 10Amp AC max available at no extra cost)

Deadband
Nom. 1% of Span hysteresis as standard
(Adjustable hysteresis 0.5-20% span available – 'V' option)

Relay Outputs
Trip output is a set of DPCO contacts, rated at 250VAC, 2A, 100VA resistive as std. (Other ratings available – 'X' option)

Latching Relay with local or remote Reset available – 'L' option
Fixed or Variable Time Delay into Trip options available – 'T' option

Protection
Fuse: 250mA as standard
Isolation: 500Vdc Input/Contacts/Supply/Earth
RF Immunity: 20MHz-3GHz/5.25GHz ≤10V/m,
(80MHz-1GHz/5.6GHz ≤30V/m, 889MHz/1.75GHz ≤40V/m)

Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: ≤400mS (0-100% step change)
Consumption: ≤3VA
Input Open Circuit response: Downscale drive as standard
(O/C Upscale drive response available if required – 'X' option)

Environmental Conditions
Storage Temperature: -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-Condensing)
EMC: 2014/30/EU , EN 61326-1:2013 (Generic Industrial levels)

Dimensions
Standard enclosure: 50w x 75h x 182d (mm)

Mounting Options

Heavy duty Din Rail (TS35) as standard

Surface by Seismic keyhole plate & Front of Panel mounting options also available on request.

(Surface mounting plate Dims: 50w x 130h mm)

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

Issue 2a: 08.19