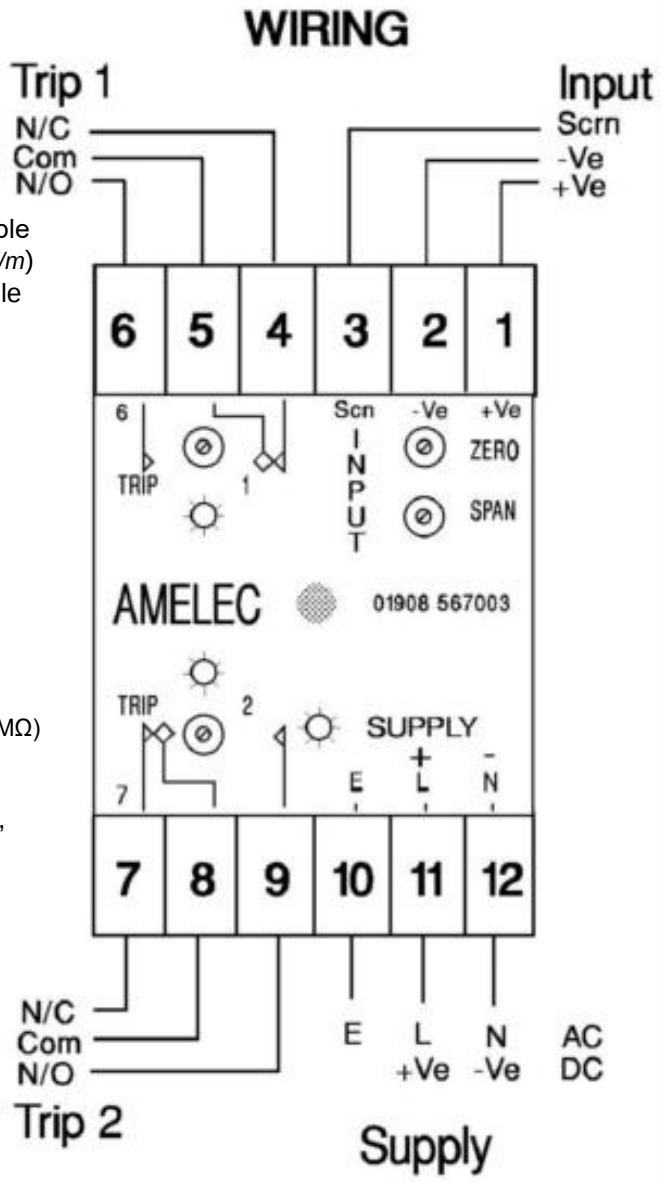
ADT132 Process I/V input Dual Trip Amplifier

- Suitable for SIL 1, SIL 2 or SIL 3 rated (EN 61508) Safety Instrumented System (SIS) loop applications
- Supply voltage options: 20Vac ±20%
  115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to EN 61000-4-3:2006/A2:2010 option 'K' available (*20-3000MHz ≤10V/m, 80-1000MHz ≤30V/m, 889MHz/1.75GHz ≤40V/m*)
- 24Vdc @22mA two-wire Input loop Excitation option 'M' available
- Fixed or Variable Time Delay into Trip 'T' option available
- Latching Relay(s) option 'L' with local Reset facility available
- Front fascia Digital Display 'DI' option available
- Non-smart / Non-uProcessor based, Type A instrument
- AMELEC Standard 10 year warranty



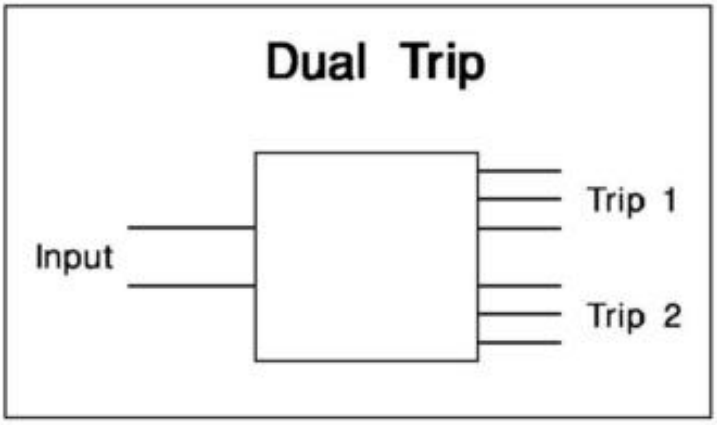
Technical Specifications

Input
Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span.
Current up to 100mA max input (passive port)
Voltage up to 150Vdc max (impedance ≥1MΩ)
Typical Input: 4-20mA (impedance 20Ω) or 0-10Vdc (impedance 1MΩ)

Outputs
Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA resistive.
Relays De-energise on Trip & Fail Safe on loss of power as std
Red LED indication of each relay status
(ON Energised/healthy, Extinguish in Trip/De-energised state)

Isolation
1000V RMS* Input/Contacts/Contacts/Supply/Earth
*(500Vdc if RFI option 'K' is specified)

Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: <100mS (0-100% input step change)
Deadband: 1% Span as std.
(Variable hysteresis 0.5%-20% span available – 'V' option)
Input Open Circuit response: Downscale drive as std
(O/C Upscale drive available on request – 'X' option)
Consumption: <3VA



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 (Controlled EM)**
**('K' option to the highest Generic Industrial levels)

Dimensions/Mounting
50w x 75h x 110d (mm)
Din Rail (TS35) ***or*** Surface by corner fixing holes as std

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 7a: 01.18