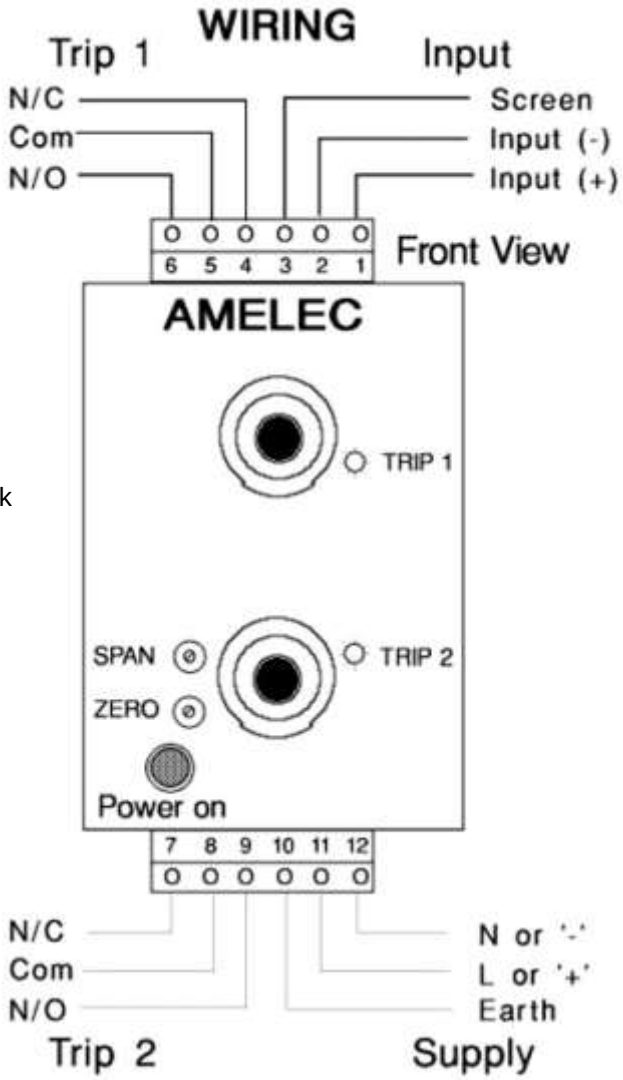
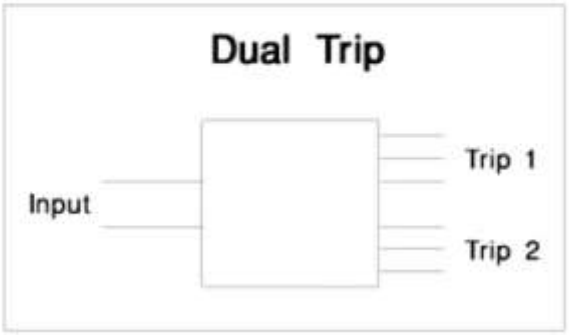
ADT132C Process I/V input Dual Trip Amplifier

- Suitable for SIL 1, SIL 2 or SIL 3 rated (EN 61508-2) 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)
- 24Vdc @22mA two-wire Input loop Excitation option 'M' available
- Fixed or Variable Time Delay into Trip 'T' option available
- 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.
Typical inputs: 0-10mA, 4-20mA, 1-5Vdc, 0-10Vdc or 0-100Vdc

Trip Relay Outputs
Each trip output is a set of changeover contacts, rated at 250VAC, 2A, 100VA resistive.
Each Set Point is adjustable on Front fascia by 10-Turn Calibrated Dial
Fail Safe Relays De-energise on Trip & on loss of power as std
Red LED indication of each relay status
(ON Energised/healthy, Extinguished in Trip/De-energised state)

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

Performance
Trip settability: ±0.1%
Trip repeatability: ±0.1%
Response time: <100mS (0-100% input step change)
Deadband: 1% Span hysteresis as std.
(Variable hysteresis 0.5%-20% available – 'V' option)
Input Open Circuit response: Downscale drive as std
(O/C Upscale drive available on request – '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 (Controlled EM)
('K' option: EMC/EMI/RFI protection to highest Generic Industrial level)

Dimensions & Mounting
Enclosure: 50w x 75h x 145d mm ('K' option = 182d mm)
Din Rail (TS35) as standard

Surface by seismic Keyhole plate (50w x 130h rear mounting plate) & Front of Panel (57w x 96h Bezel) mounting options also available.

Customer Termination
Fixed Screw Terminal blocks, towards rear of top & bottom enclosure surfaces as std.

(Plug-in Screw Terminal blocks available on request if preferred)

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

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