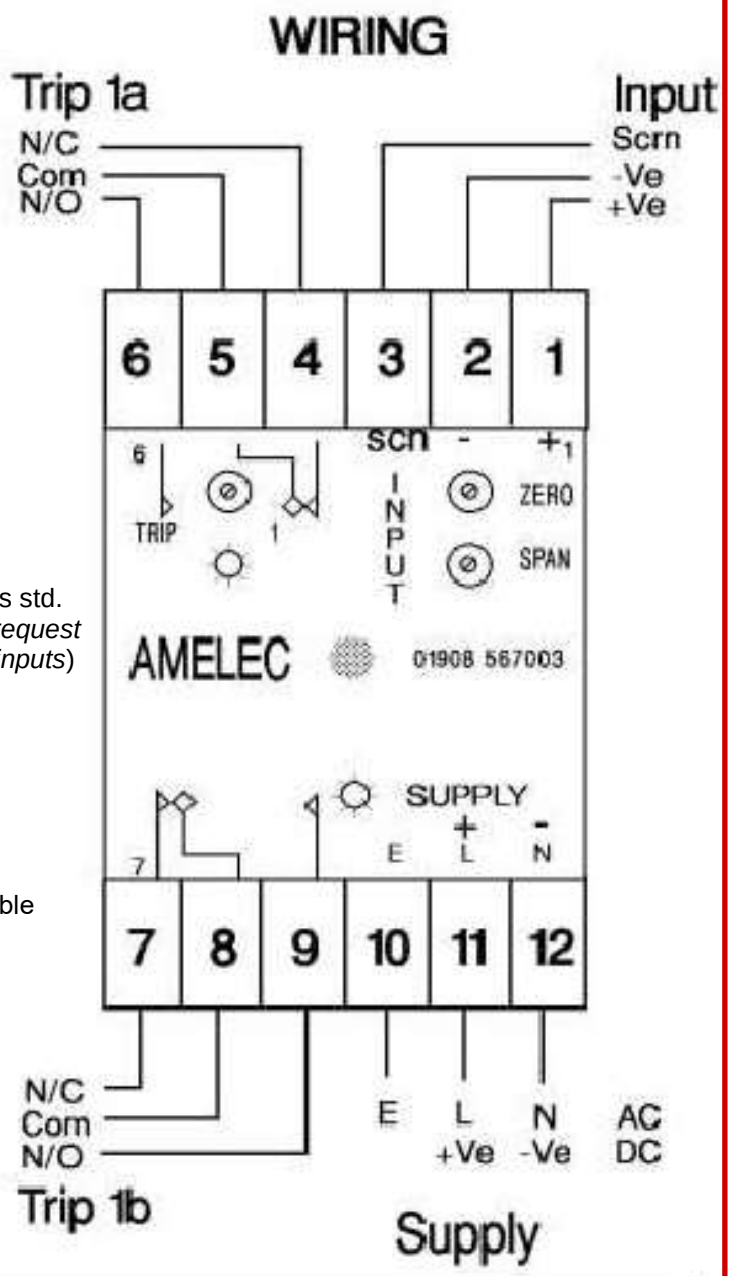
# ADT115 mV Input Trip Amplifier with Single set point

- 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%
  230Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to EN 61000-4-3:2006/A2:2010 option 'K' available (20-3000MHz ≤10V/m, 20-1000MHz ≤30V/m)
- Fixed or Variable Time Delay into Trip 'T' option 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 mV signal range up to 400mV, with a minimum 4mV span as std.
*('Other' special input signal ranges or conditioning available on request* – 'X' option*, including internal shunts to accept high DC current inputs*)

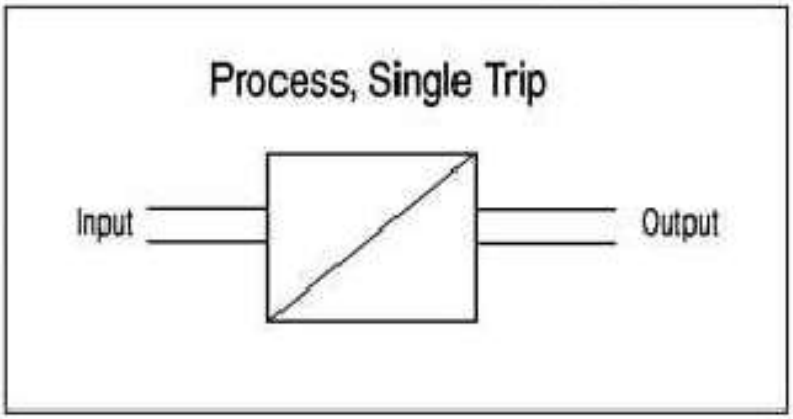
Outputs
Trip output is a set of changeover contacts (D.P.C.O) rated at 250VAC, 2A, 100VA resistive.
Relays De-energise on Trip & Fail Safe on loss of power as std
Red LED indication of relay status; ON Energised / healthy, Extinguished in Trip / De-energised state.
Latching relay with local or remote Reset facility 'L' option available

Isolation
1000V RMS* Input/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: nom. 1% Span as std.
(Variable hysteresis 0.5%-20% available – 'V' option)
Input Open Circuit response: Upscale drive as std
(O/C Downscale drive available on request if preferred)

Environmental Conditions
Storage Temperature: -40°C to +70°C
Operating Ambient: -15°C 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
('K' option enclosure = 182d mm)

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