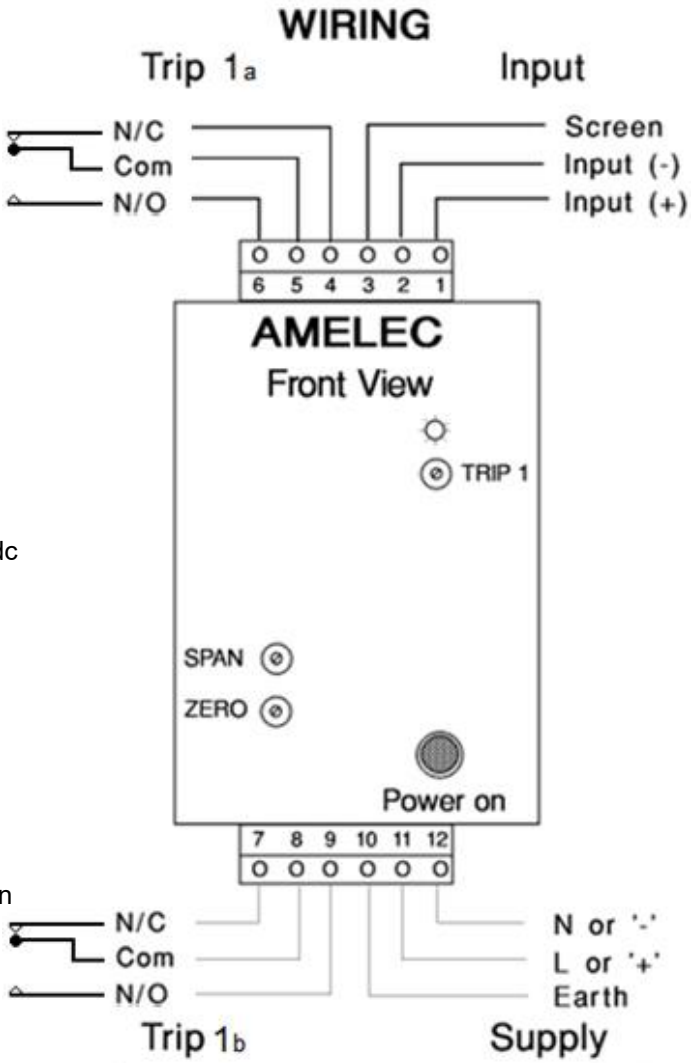
M-ADT115 mV input Trip Amplifier with Single Set Point

- 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 available ('K' option)
- Front fascia LCD or LED Digital Display options available ('DI' option)
- AMELEC Standard 10 year warranty



Technical Specifications

Input
Any mV signal range up to 400mV may be specified,
with a minimum calibration span of 4mV.
Typical examples; 0-5mV, 0-10mV, 40-200mV, 0-50mV, 0-100mV dc

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)

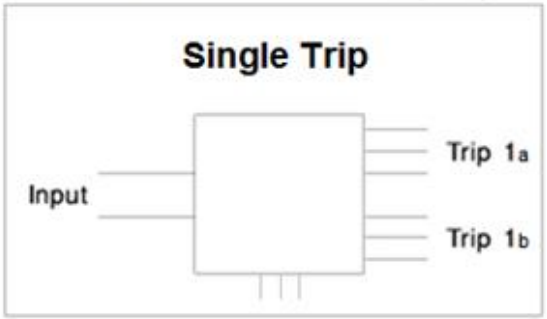
Latching Relay with local or remote Reset available – 'L' option
Fixed or Variable Time Delay into Trip options available – 'T' option

Protection
Internal Fuse: 250mA as standard
Isolation: 1000V RMS Input/Contacts/Supply/Earth

Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: ≤200mS (0-100% input step change)
Consumption: ≤3VA
Input Open Circuit response: Upscale drive as standard
(O/C Downscale drive response available on request if preferred)

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)

Dimensions
Standard enclosure: 50w x 75h x 145d (mm)



Mounting Options

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)

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