ADT111L Latching Temperature Trip Amplifier with Single set point

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508-2) safety system loop applications
  Supply voltage options: 20Vac ±20%
  115Vac ±20%
  230Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to IEC61000-4-3:2006/A2:2010 option 'K' available (20-3000MHz 10V/m, 80-1000MHz 30V/m)
- Fixed or Variable Time Delay into Trip 'T' option available
- Front fascia Digital Display 'DI' option available
- AMELEC Standard 10 year warranty

Technical Specifications

Input
mV signal developed from any Thermocouple input type;
J, K, N, R, S or T, with a minimum 4mV span.
(with automatic internal cold junction compensation as standard)

Outputs
Trip output is a set of changeover contacts (S.P.C.O + N.O) rated at 250VAC, 2A, 100VA resistive.
Fail Safe Relay De-energises on Trip & on loss of power as std
Red LED indication of relay status
(ON Energised/healthy, Extinguished in Trip/De-energised state)
Latching relay with a remote contact Reset facility

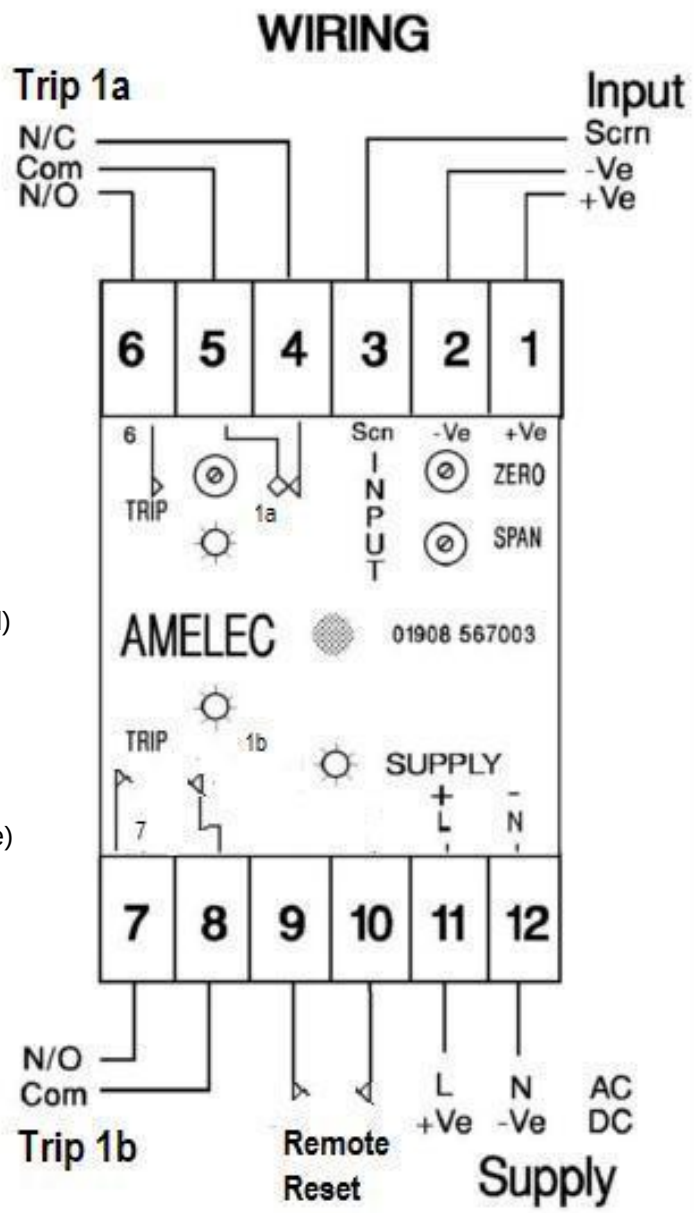
Isolation
1000V RMS* Input/Contacts/Supply/Earth
*(500Vdc if RFI option 'K' is specified)

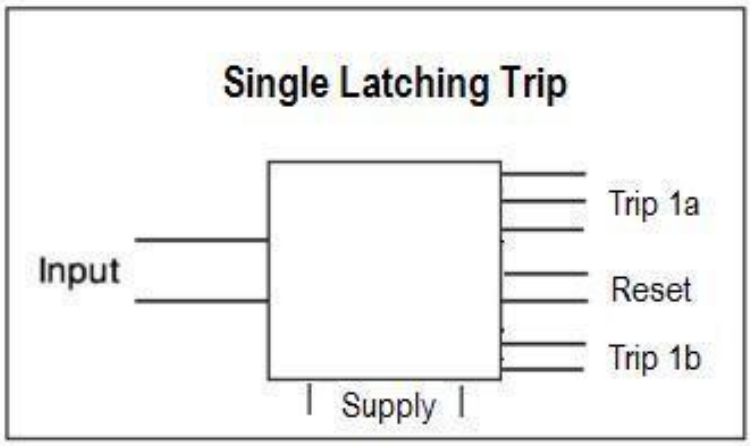
Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: <100mS
Deadband: 1% Span as std.
Input Open Circuit response: Upscale drive as standard
(O/C Downscale drive may be specified if preferred)

Environmental Conditions
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Dimensions
50w x 75h x 110d mm
('K' option enclosure = 182d mm)

Mounting
Din Rail (TS35) ***or*** Surface by corner fixing holes
('K' option enclosure has optional seismic keyhole Surface mounting plate available)





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