

AST121/N RTD Trip Amplifier

- Suitable for SIL 1, 2 & 3 applications
- Suitable for 2, 3 or 4 wire resistance temperature sensor
- Supply voltages: 24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Technical Specifications

Input

Any 2, 3 or 4 wire resistance temperature sensor. Third wire compensation is standard to overcome lead resistance variation.

Output

The trip output is a pair of changeover contacts, rated at 250VAC, 2A, 100VA (resistive)

Isolation

1000V RMS Input/Output(s)/Supply/Earth
Open circuit response may be specified as Upscale or Downscale

Performance

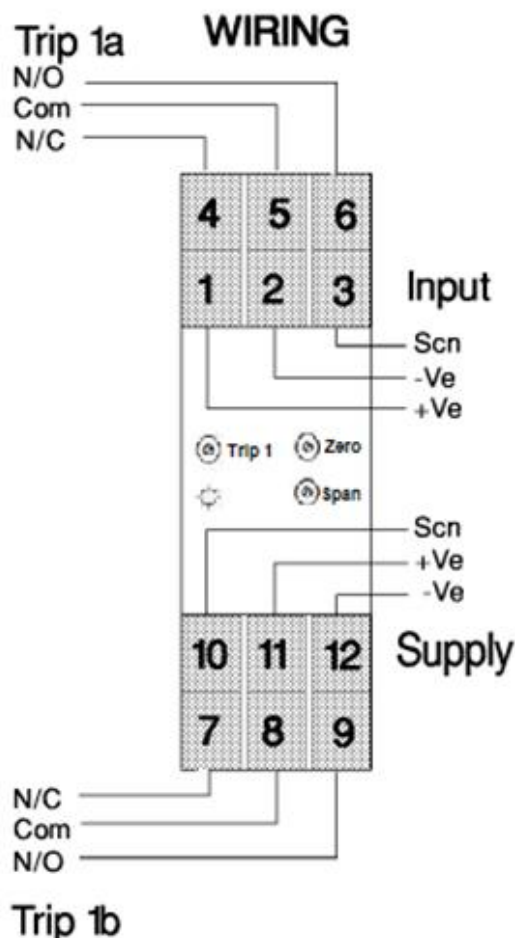
Trip settability: $\pm 1\%$
Trip repeatability: $\pm 0.1\%$
Response time: $< 400\text{ms}$

Environmental Conditions

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

Dimensions

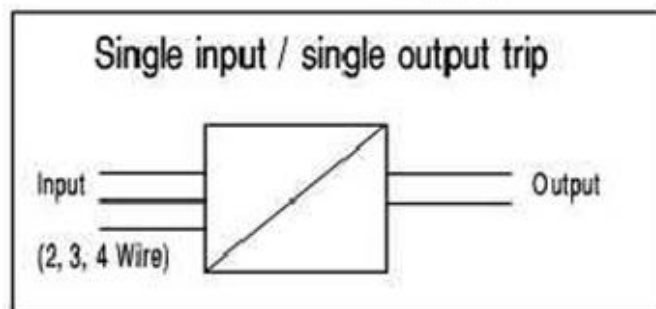
22.5w x 75h x 110d (mm)



Trip mode jumper position

SW1
 HIGH Normally Energised
 LOW Normally Energised

Supply



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