

ADT121KL RTD Trip Amplifier with Latching Relay

- Suitable for SIL 1, 2 & 3 applications (IEC61508)
- Suitable for 2 or 3 wire resistance temperature sensor
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- 'K' Option RFI Protection to IEC61000-4-3 (20-1000MHz, $<10V/metre$)

Technical Specifications

Input

From 2 or 3 wire RTD with a span greater than 50°C.
Third wire compensation is standard to overcome lead resistance variation

Relay Output

Output is a set of latching changeover contacts, rated at 250VAC, 2A, 100VA (resistive).

Red LED indication of Relay status

Front fascia Push Button to reset trip relay

(Remote reset option available on request)

Isolation

500Vdc Input/Contacts/Supply/Earth

Performance

Latching Relay with front fascia reset facility

Trip settability: $\pm 1\%$

Trip repeatability: $\pm 0.1\%$

Response time: <400mS

Input O/C response: UPSCALE as standard

(DOWNSCALE drive available on request, 'X' Option)

Fail safe on loss of power as standard

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

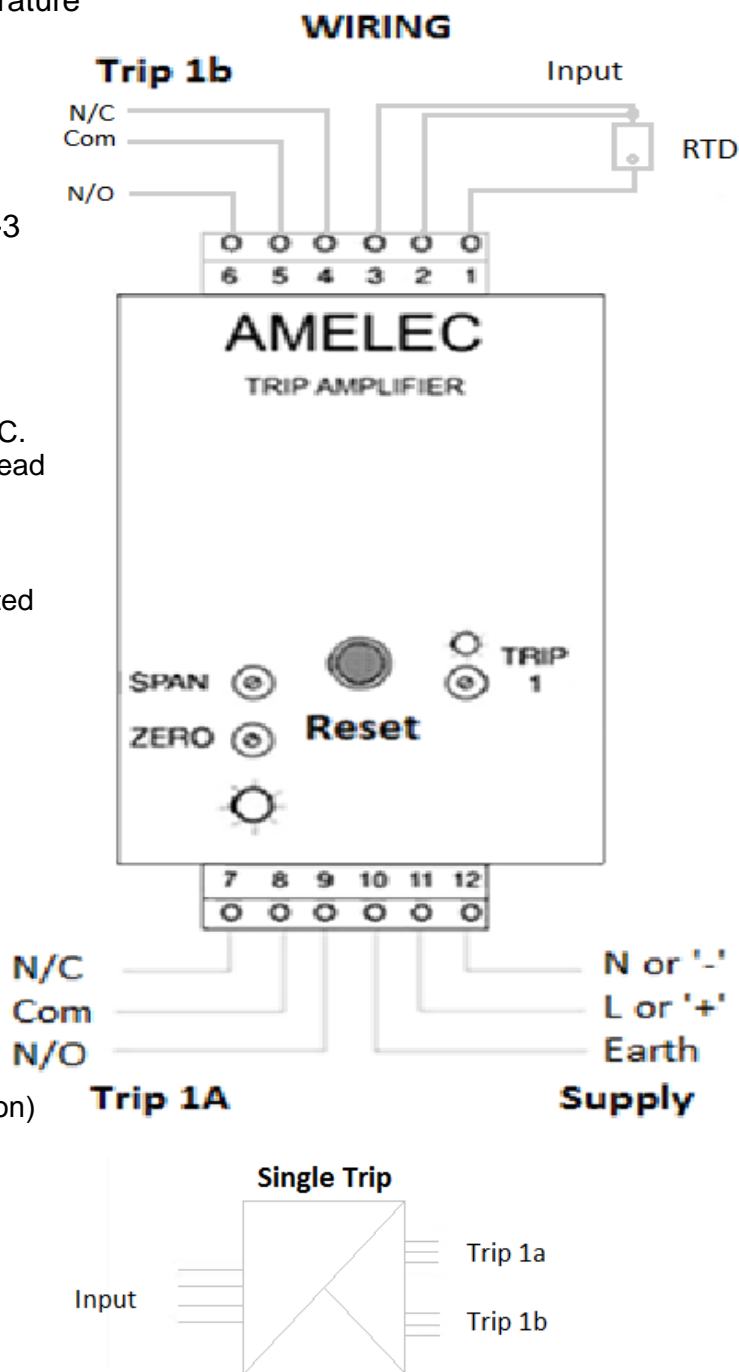
Relative Humidity: 5 – 95% RH

Mounting/Dimensions

50w x 75h x 182d (mm)

Standard DIN Rail or Surface by Seismic Keyhole plate
option available

(Seismic mounting plate Dim. 50w x 130h (mm))



Customer Termination

Fixed screw terminals as standard
(Plug-in terminals optional)

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