

ADT121KL- 4Wire RTD Trip Amplifier with Latching Relay

- Suitable for SIL 1, 2 & 3 applications (IEC61508)
- Suitable for 4 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, $\leq 10V/metre$)
- AMELEC Standard 10 year warranty

Technical Specifications

Input

From 4 wire RTD with a span greater than 50°C.

Output

Each Trip output has 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

Input/Contacts/Supply/Earth

*(500Vdc

Performance

Latching Relay with front fascia reset facility

Trip settability: $\pm 1\%$

Trip repeatability: $\pm 0.1\%$

Response time: $< 400ms$

I/P O/P 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

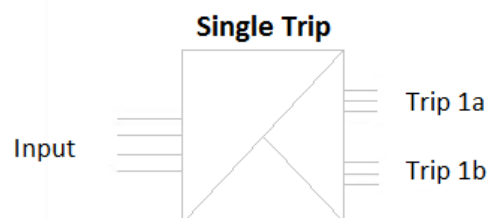
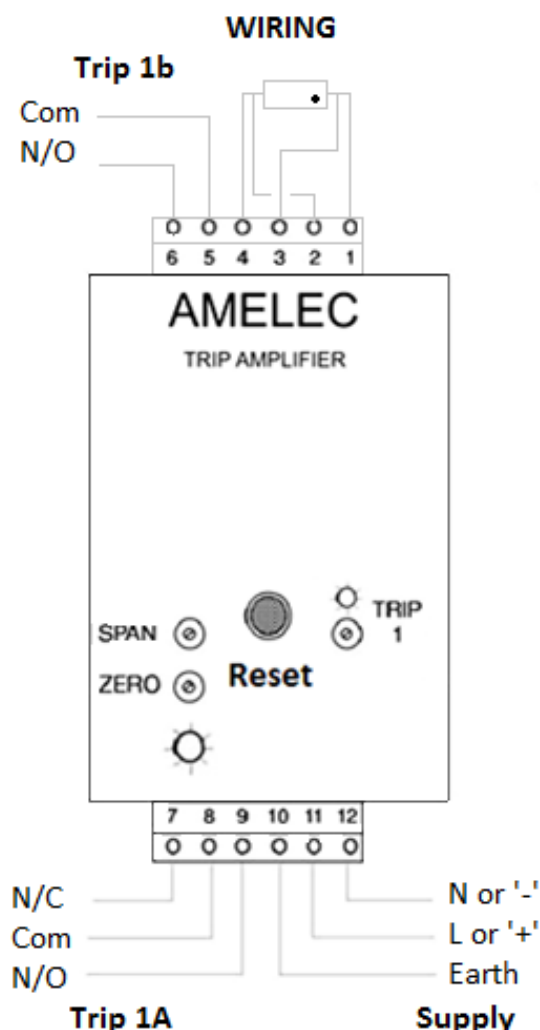
Relative Humidity: 5 – 95% RH

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)

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735

AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ