

## ADT121DIL(BI)(V)(X)(K) RTD Trip Amplifier with Display

- Suitable for SIL 1, 2 & 3 applications
- Suitable for 2, 3 or 4 wire resistance
- Supply voltages: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 2.5V$   
48Vdc  $\pm 5V$
- RFI Protection to IEC61000-4-3 available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

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

#### Outputs

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

Latching relay Reset options:#

Local on unit Front Facia or Remote reset.

Red LED indication of Relay status as standard (Red/Green BI-colour LED optional)

Display of the I/P Temperature on a 3½ digit LCD

Front facia read buttons show the trip set point

Calibration range: -1999 to +1999

#### Isolation

1000V RMS\* Input/Contact(s)/Supply/Earth

\*(500vdc if RFI option (K) is specified)

I/P O/C response UPSCALE as standard

Fail safe on loss of power

#### Performance

Deadband: 1% standard  
(variable 1-20% optional)

Trip settability:  $\pm 1\%$

Trip repeatability:  $\pm 0.1\%$

Response time: <400mS

#### Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

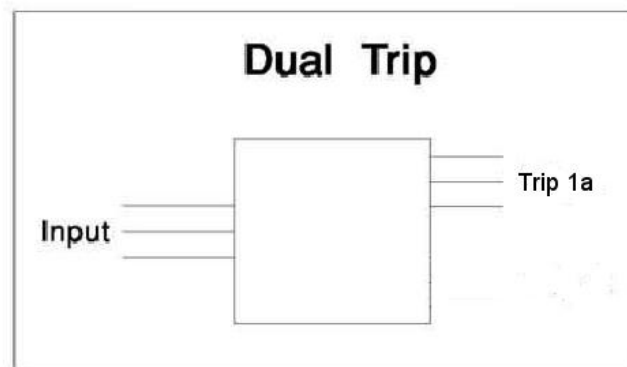
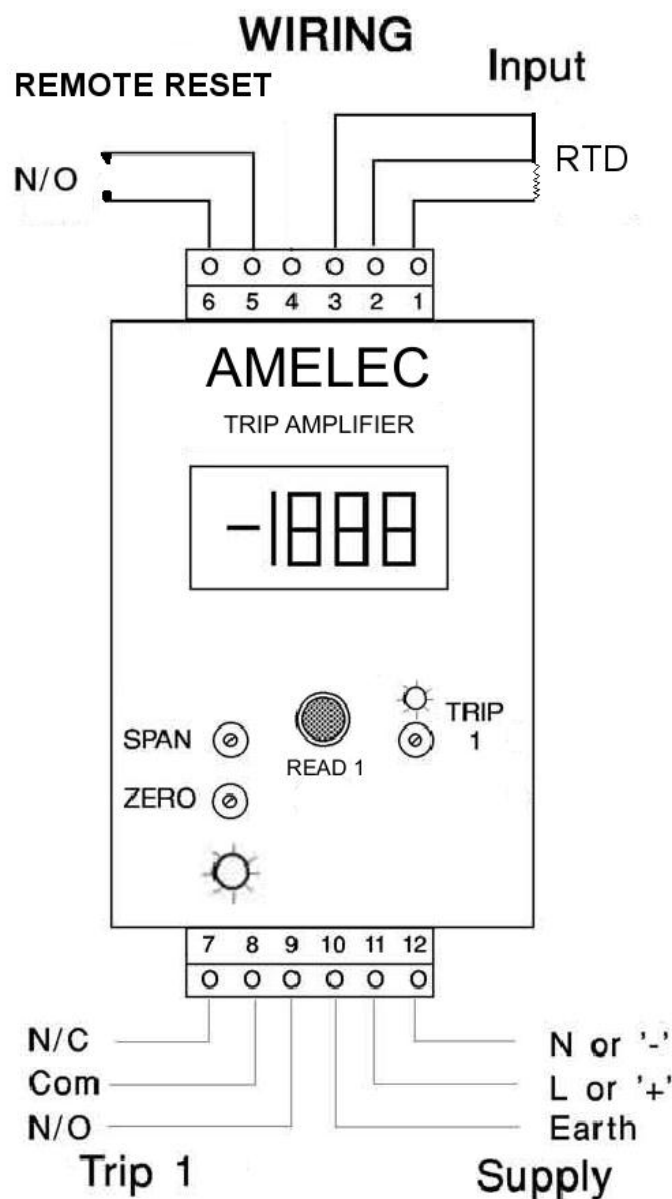
Relative Humidity: 5 – 95% RH

#### Mounting/Dimensions

50w x 75h x 145d (mm)

RFI 'K' option = 182d (mm)

Standard DIN Rail or Surface Keyhole plate and Front Panel options available



#### Customer Termination

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

Tel: 01908-567003 Email: [sales@amelec-uk.com](mailto:sales@amelec-uk.com) Visit: [www.amelec-uk.com](http://www.amelec-uk.com) Fax: 01908-566735

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