

## ADT132KTLX Dual Trip Amplifier with Latching Relays + Remote Reset Facility

- Suitable for SIL 1 & SIL 2 rated (IEC61508-2) safety system loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 20Vac  $\pm 20\%$   
115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 10\%$   
48Vdc  $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010
- 24Vdc @22mA two-wire Input loop Excitation option 'M' available
- Fixed or Variable Time Delays into Trip
- Front fascia Digital Display 'DI' option available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Input

Any current or voltage drive that can be terminated in a PI network to produce a 400mV span.

Typical inputs: 4-20mA, 0-10mA, 1-5Vdc or 0-10Vdc

#### Outputs

Each trip output is a set of Latching Relay contacts (T1=N.O, T2=S.P.C.O), with a common Remote Contact Reset facility. Changeover contacts, rated at 250VAC, 2A, 100VA resistive. Relays De-energise on Trip & Fail Safe on loss of power as std. Red LED indication of each relay status (ON Energised/healthy, Extinguish in Trip/De-energised state)

#### Isolation

500Vdc Input/Contacts/Contacts/Supply/Earth

#### Performance

Trip settability:  $\pm 1\%$   
Trip repeatability:  $\pm 0.1\%$   
Response time:  $< 100\text{ms}$   
Deadband: 1% Span Hysteresis as std.  
(Variable hysteresis 0.5%-20% span available – 'V' option)  
Input Open Circuit response: Downscale drive as std  
(O/C Upscale drive available – 'X' option)

#### Environmental Conditions

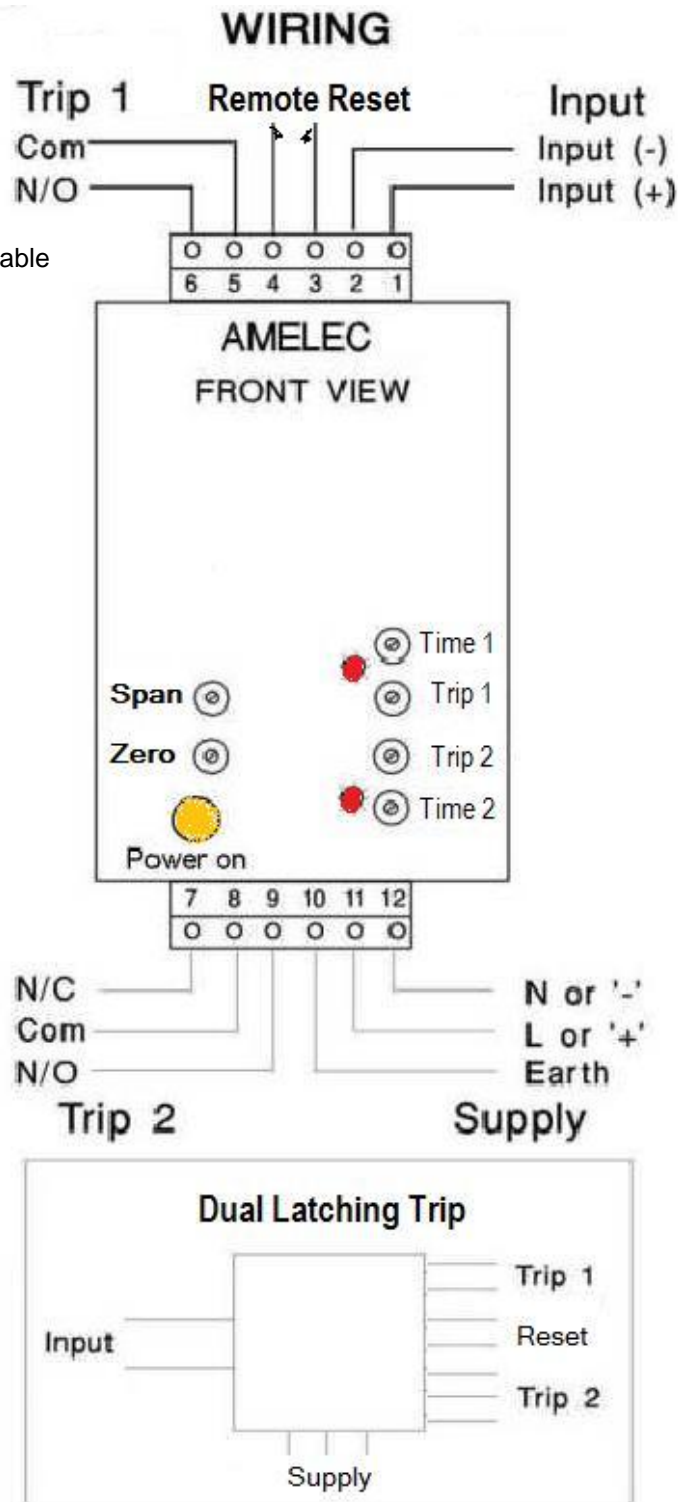
Storage Temperature: -40 to 70°C  
Operating Ambient: -15 to 55°C  
Relative Humidity: 5 – 95% RH  
RF Immunity: 20-3000MHz  $\leq 10\text{V/m}$ , 80-1000MHz  $\leq 30\text{V/m}$ ,  
(889MHz-1.75GHz  $\leq 40\text{V/m}$ )

#### Dimensions

50w x 75h x 182d mm

#### Mounting

Din Rail (TS35) **or** Surface by seismic Keyhole plate (50w x 130h)



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