

ADT131L Latching Trip Amplifier with Single set

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508-2) safety system loop applications
Supply voltage options: 20Vac $\pm 20\%$
115Vac $\pm 20\%$
230Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010 option 'K' available (20-3000MHz 10V/m, 80-1000MHz 30V/m)
- 24Vdc @22mA two-wire Input loop Excitation option 'M' available
- Fixed or Variable Time Delay into Trip 'T' option available
- 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

Trip output is a set of changeover contacts (S.P.C.O + N.O) rated at 250VAC, 2A, 100VA resistive.

Relay De-energises on Trip & Fail Safe on loss of power as std
Red LED indication of relay status

(ON Energised/healthy, Extinguish in Trip/De-energised state)

Latching relay with a remote Reset facility

Isolation

1000V RMS* Input/Contacts/Supply/Earth

*(500Vdc if RFI option 'K' is specified)

Performance

Trip settability: $\pm 1\%$

Trip repeatability: $\pm 0.1\%$

Response time: <100ms

Deadband: 1% Span as std.

Input Open Circuit response: Downscale drive as std

(O/C Upscale drive available on request - 'X' option)

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 - 95% RH

Dimensions

50w x 75h x 110d mm

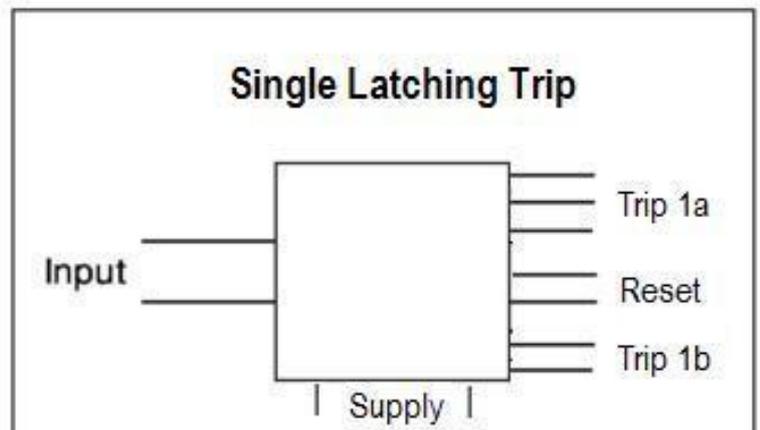
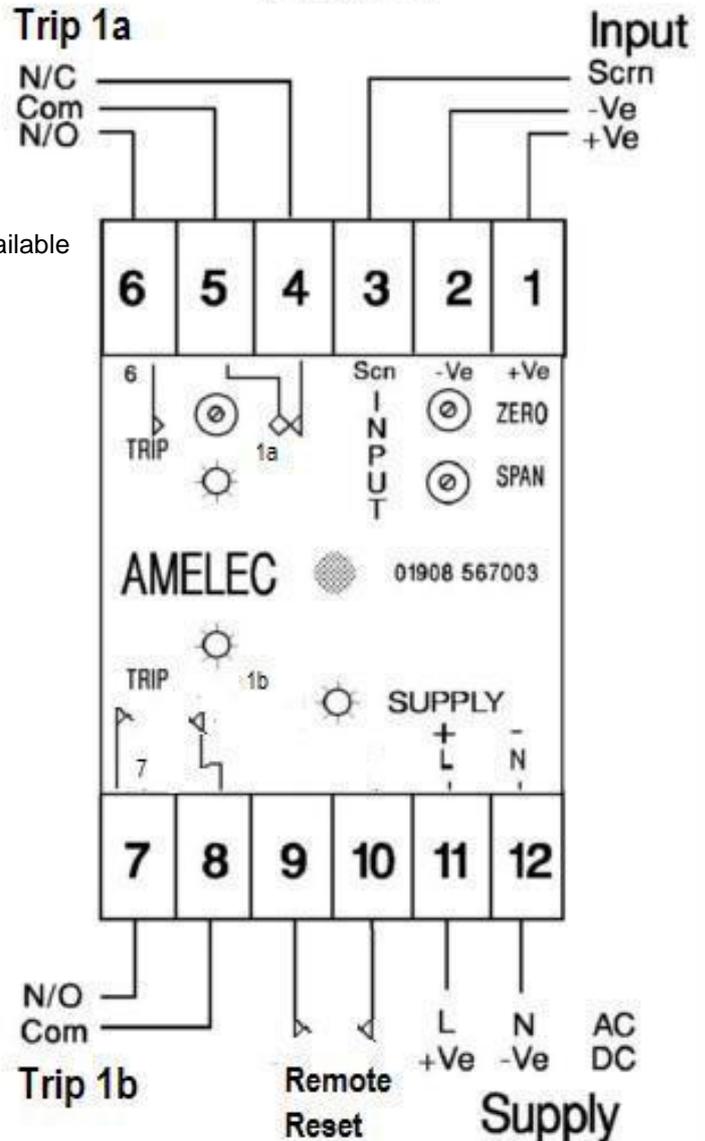
('K' option enclosure = 182d mm)

Mounting

Din Rail (TS35) **or** Surface by corner fixing holes

('K' option enclosure has optional Keyhole mounting plate)

WIRING



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