ADT371 Rate of Change Trip Amplifier

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508-2) safety system loop applications
- Supply Voltages: 20Vac ±20%
  115Vac ±20%
  240Vac ±20%
  24Vdc ±2.5V
  48Vdc ±5V

- RFI Protection to IEC61000-4-3:2006/A2:2010 available
- Front fascia Digital Display available ('DI Option)
- AMELEC Standard 10 year warranty

Technical Specifications

Input
Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span.
Typical examples: 0-1mA, 0-10mA, 4-20mA, 0-5V, 0-10V, 0-100Vdc

Rate of Change Trip Function
In a typical high trip application, the relay will change state for a rapid rising input signal. The Set point is adjustable over a rate of change range to suit the application.

Relay output
D.P.C.O contacts, rated 250Vac 2A 100VA resistive
The unit is monitoring for rapid change of the input signal

Front fascia Red LED to indicate relay status, ON when relay is energised healthy, OFF when De-energised in over acceleration Alarm status

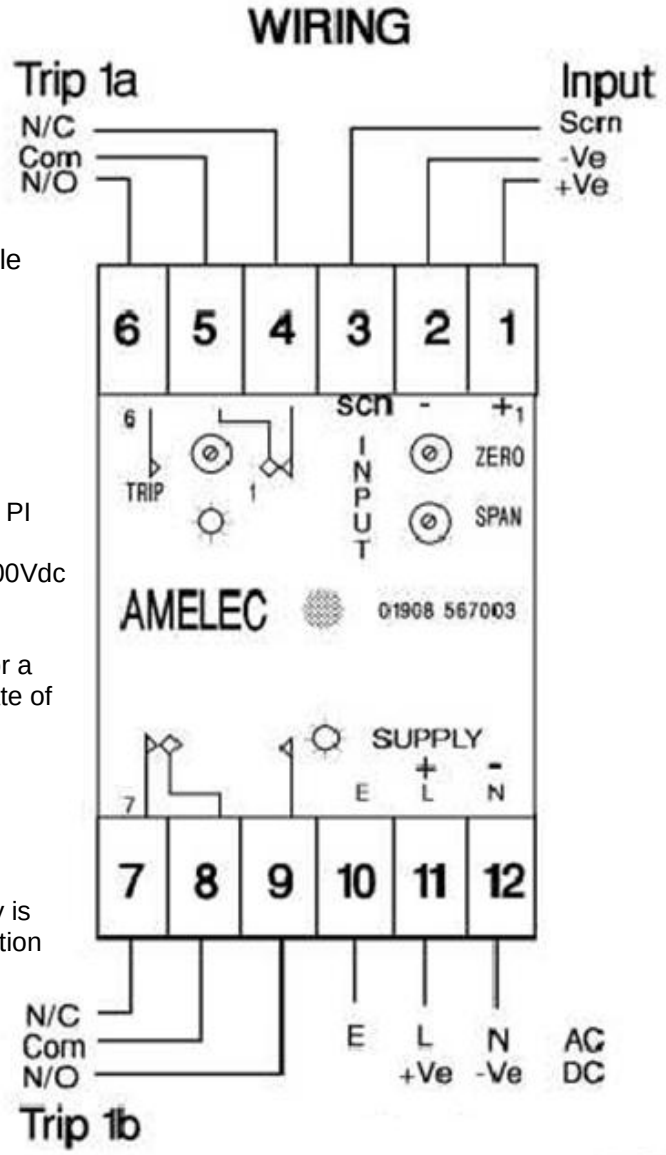
Isolation
1000V RMS* Input/Contacts/Supply/Earth
*(500Vdc when option 'K' RFI protection is specified)

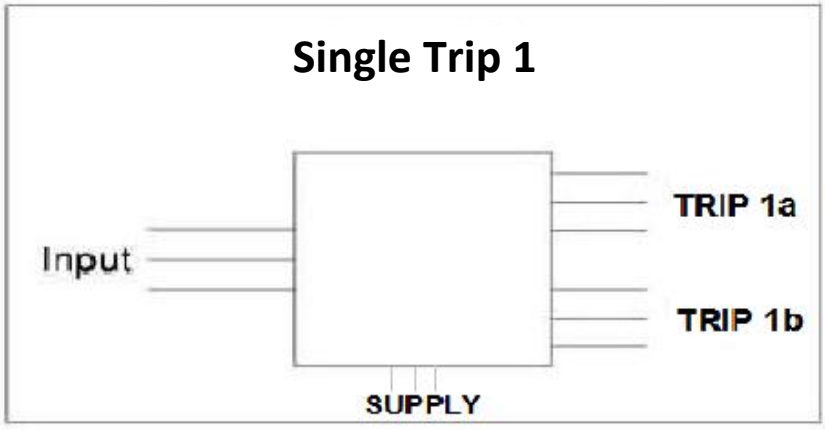
Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time: <100mS
Deadband: 1% Span std.

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)

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





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

Issue 4: 2016