

ADT128 RTD Quad Trip Amplifier

- Suitable for SIL 1 & SIL 2 rated (EN61508-2) safety instrumented system (SIS) loop applications (HFT:0)
- Supply Voltage options: 20Vac $\pm 20\%$
115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- Front fascia Digital Display available ('DI' Option)
- AMELEC Standard 10 year warranty

Performance

Trip settability: $\pm 1\%$
 Trip repeatability: $\pm 0.1\%$
 Response time: $< 400\text{ms}$
 Input O/C response: Upscale drive as std.
 (O/C Downscale drive option 'X' available if preferred)

Environmental Conditions

Storage Temperature: -40 to $+70^\circ\text{C}$
 Operating Ambient: -15 to $+55^\circ\text{C}$
 Relative Humidity: 5 – 95% RH (Non-Condensing)
 EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Technical Specifications

Input

Any 2/3 wire PT100 or PT1000 RTD input type & temperature range may be specified, with a minimum 50°C calibration span as std.

Relay Outputs

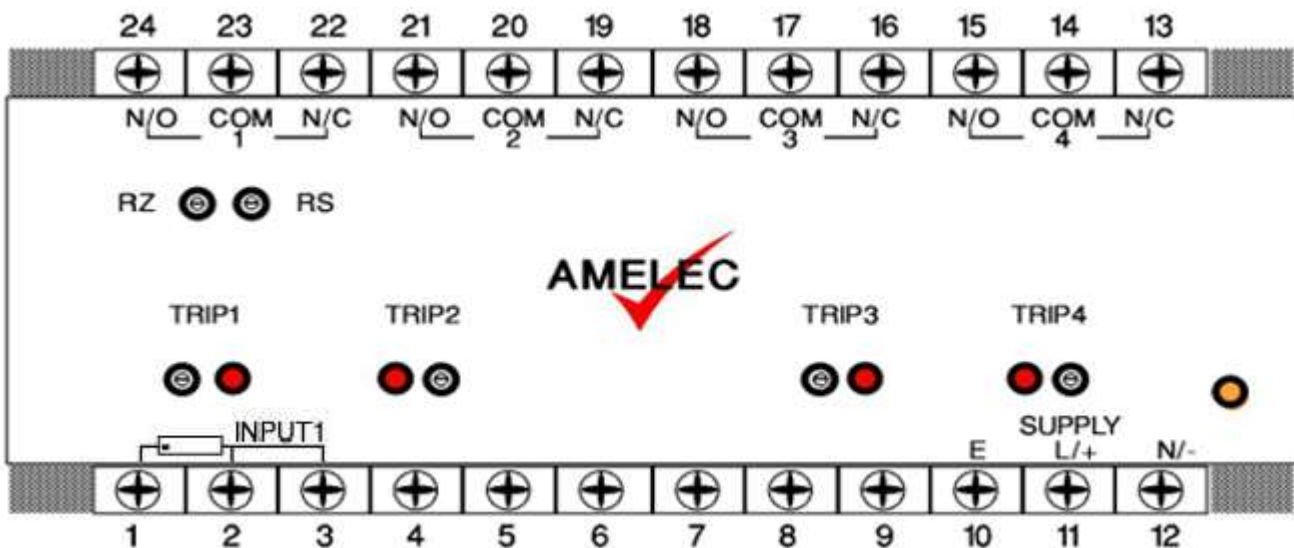
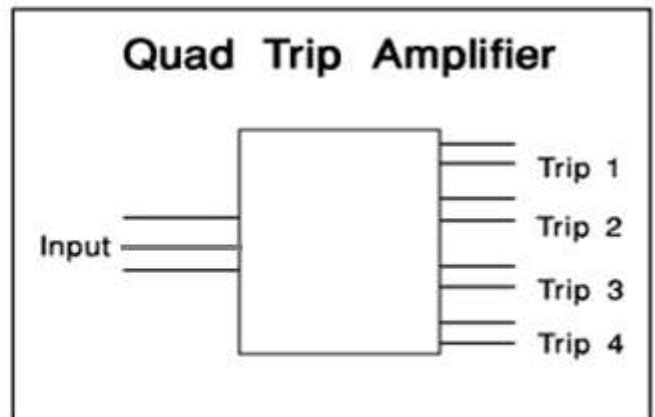
Any combinations of High or Low Trips may be specified. Each of the four trip outputs is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive). Relays De-energise on Trip & Fail Safe on loss of power as std. Deadband:: Fixed 1% resistance span hysteresis as std, Variable 1-20% resistance span hysteresis available ('V' option) Red LED indication of each Relay status; **ON** Energised, **Extinguished** in Trip/De-energised state.

Isolation

1000V RMS. Input/Contacts-Contacts/Supply/Earth

Mounting / Dimensions

Din Rail (TS35)
 Enclosure: 152w x 81h x 137d mm



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