ADT138 Process I/V Quad Trip Amplifier

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN61508-2) safety instrumented system (SIS) loop applications
- Supply Voltage options: 20Vac ±20%
  115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- 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.

24Vdc @22mA two-wire Input loop Excitation ('**M**' option) available.
Input injection Jack '**J**' option available to enable the input loop to be overridden and an external current source to be injected.
Note: the original process loop integrity is maintained.

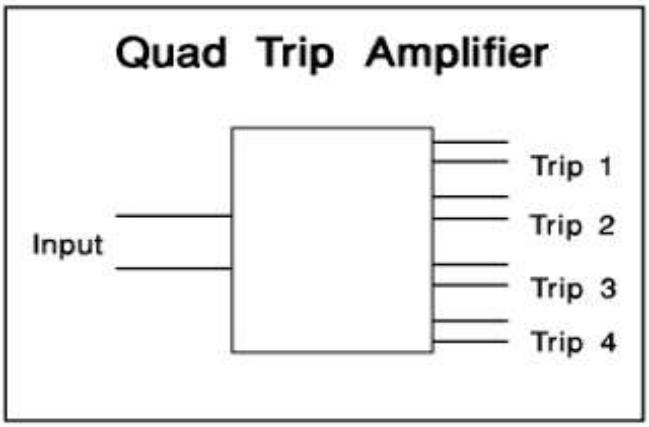
Relay Outputs
Any combinations of High or Low Trips may be specified.
Each of the four trip outputs is a set of changeover contacts, rated at 250VAC, 2A, 100VA (resistive).
Relays De-energise on Trip & Fail Safe on loss of power as std.
Deadband:: Fixed 1% span hysteresis as standard,
Variable 1-20%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

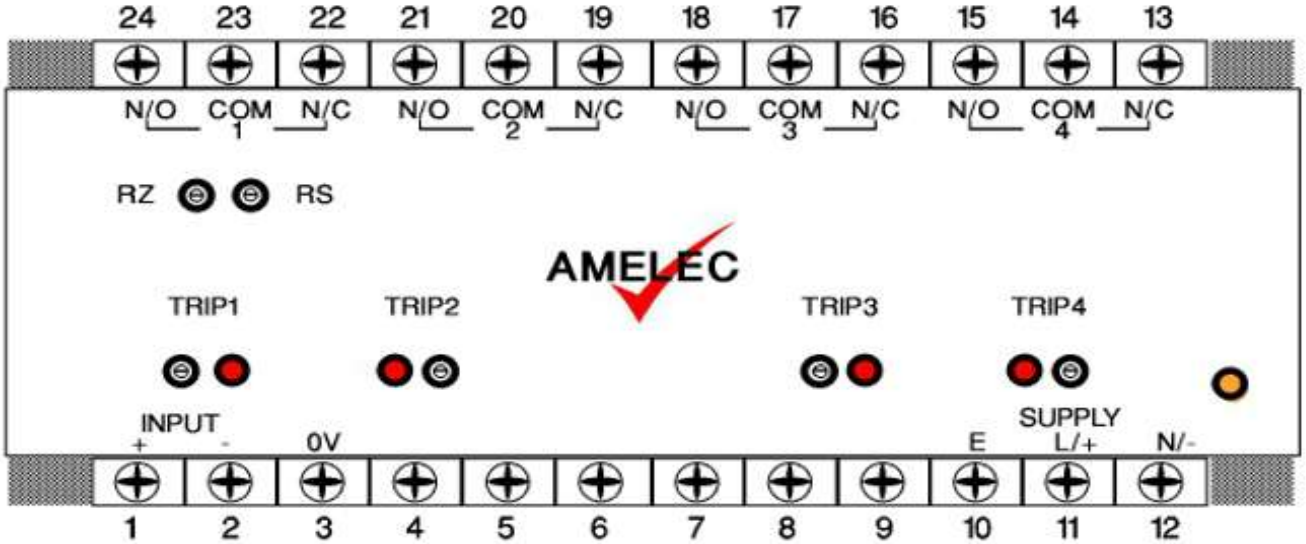
Isolation
1000V RMS. Input/Contacts-Contacts/Supply/Earth

Performance
Trip settability: ±1%
Trip repeatability: ±0.1%
Response time:<100mS (0-100% input step change)
Input O/C response: Downscale drive as standard
(O/C response Upscale drive, '**X**' option available)

Environmental Conditions
Storage Temperature: -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-Condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

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

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