ADT138X-7 Process Trip Amplifier with up to 7 Set points

- Non-Smart/Non-uProcessor based, Type A instrument
- Supply voltage options: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- AMELEC Standard 10 year warranty
- 24Vdc @22mA two wire Input loop Excitation option available ('M' option)
- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508-2) safety instrumented system (SIS) loop applications

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, 0.4-2.0V, 0-10V, 0-100Vdc

Outputs
Each trip output is a N.O. relay contact (fail safe), rated at 250VAC, 2A, 100VA (resistive).

Hysteresis/Deadband
nom 1% Span as std, other fixed Bands available on request.

Controls
Internal Zero/Span potentiometers for Factory calibration.
7 x Trips, 15 turn potentiometers to set trip points.

Indicators
Power: Amber LED, ***ON***
Trip: 7 x Red LED, ***ON*** *Energised*/***Off De-energised***-**Trip** state

(Red/Green 'BI'-colour LED status indicators optional)

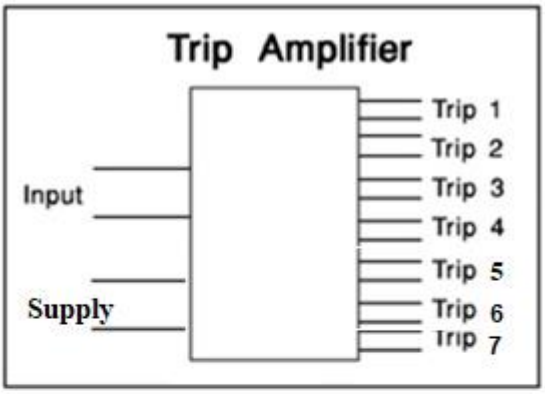
Performance
Trip settability: ±0.1%
Trip repeatability: ±0.1%
Response time: <100mS (0-100% Step change)
Input O/C response: Downscale drive as std
(O/C Upscale drive available if required, 'X' option)

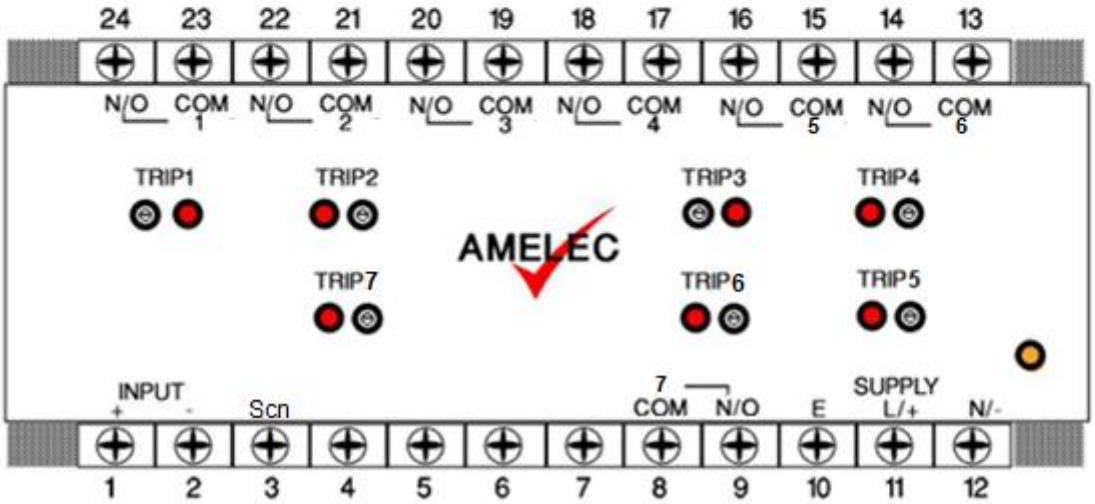
Environmental Conditions
Storage Temperature: -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5–95% RH (Non-condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

Isolation
1000V RMS Input/Output/Contact-Contacts/Supply

Dimensions
152w x 81h x 137d (mm)

Mounting
Standard DIN Rail (TS35)





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