

ADT135 Trip Amplifier with Wide Hysteresis Control

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508-2) safety system loop applications
- Supply Voltages: 20Vac $\pm 20\%$
115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- 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 drive that can be terminated in a PI network to produce a 400mV span.

Typical Input

Current: 4-20mA (impedance 20 Ω)

Voltage: 0-10Vdc (impedance 1M Ω)

Trip Relay Output

In a typical High trip application, the relay will change state when the input exceeds the level set on TRIP 1 and return to normal when it falls below the level set on TRIP 2.

Relay: S.P.C.O, rated 250VAC 2A 100VA (resistive)

Relay Status indicator: Red LED ON Energised, Extinguished in Trip De-energised state

Isolation

1000V RMS* Input/Contacts/Supply/Earth

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

Performance

Trip settability: $\pm 1\%$

Trip repeatability: $\pm 0.1\%$

Response time: <100mS

Input O/C response: Downscale drive as std
(Input O/C Upscale drive response option 'X' available)

Environmental Conditions

Storage Temperature: -40 to 70°C

Operating Ambient: -15 to 55°C

Relative Humidity: 5 – 95% RH

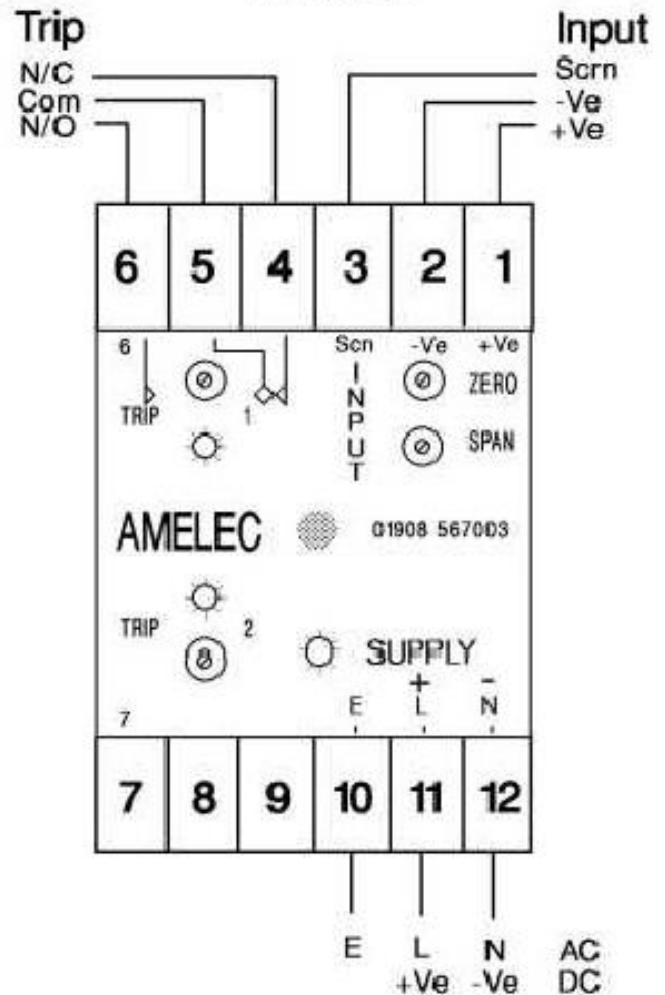
Dimensions

50w x 75h x 110d (mm)

Mounting

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

WIRING



Supply

