

ADP451EPX AC Current Trip Transducer

- Suitable for SIL 1, SIL 2 & SIL 3 rated (IEC61508) safety system loop applications
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
220Vdc $\pm 22V$
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option)
- Digital Display available ('DI' option)
- AMELEC Standard 10 year warranty

Technical Specifications

Input

AC Current ranges $\leq 10A$ max, typically 0-1Amp or 0-5Amp,
Intermediate ranges available at no extra cost

Analogue Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 11Vdc
Voltage source up to 10V. Max current 20mA

Typical output

Current: 4-20mA (max load 550 Ω)
Voltage: 0-10Vdc (min load 500 Ω)

High or Low Trip Output

Changeover contacts, rated at 250Vac, 2A, 100VA (resistive)
High Trip option: relay De-energises above set point
Low Trip option: relay De-energises below set point
Set point adjustable via 15-turn blindset potentiometer

Isolation

1000V RMS*. Input/Output/Contacts/Supply/Earth
*(500Vdc if RFI option 'K' is specified)

Performance

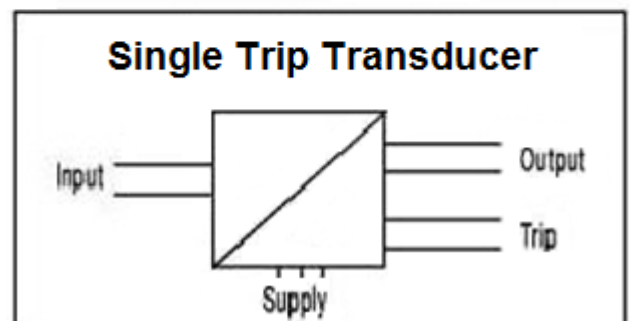
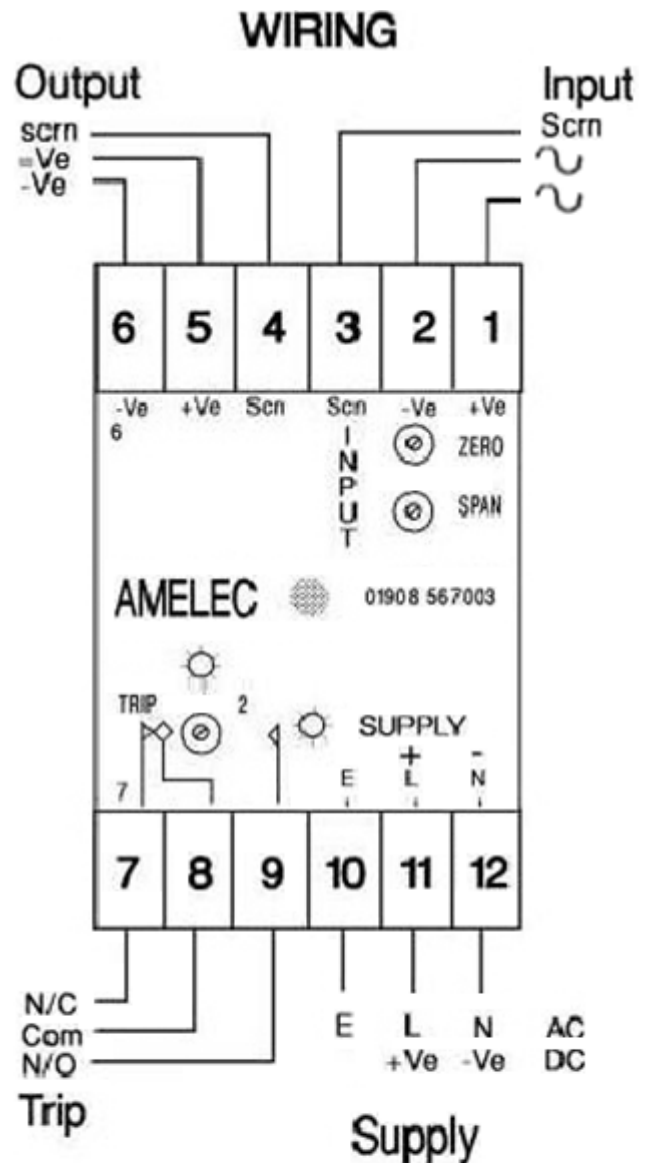
Accuracy/Linearity: $< \pm 0.2\%$ span
Input open circuit response: Downscale drive

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

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