

ADP451-2EPX AC Current Transducer with Dual Output

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1oo1 architecture (HFT:0)
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- 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 $\leq 10\text{A}$ max, typically 0-1Amp or 0-5Amp,
Intermediate ranges available at no extra cost

Analogue Outputs

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

Typical outputs

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

Isolation

1000V RMS*. Input/Output1/Output2/Supply/Earth
*(500Vdc if RFI option 'K' is specified)

Performance

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

Environmental Conditions

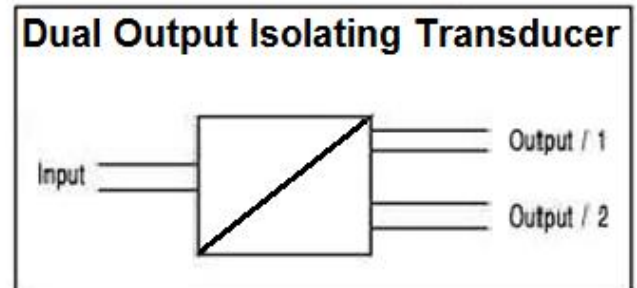
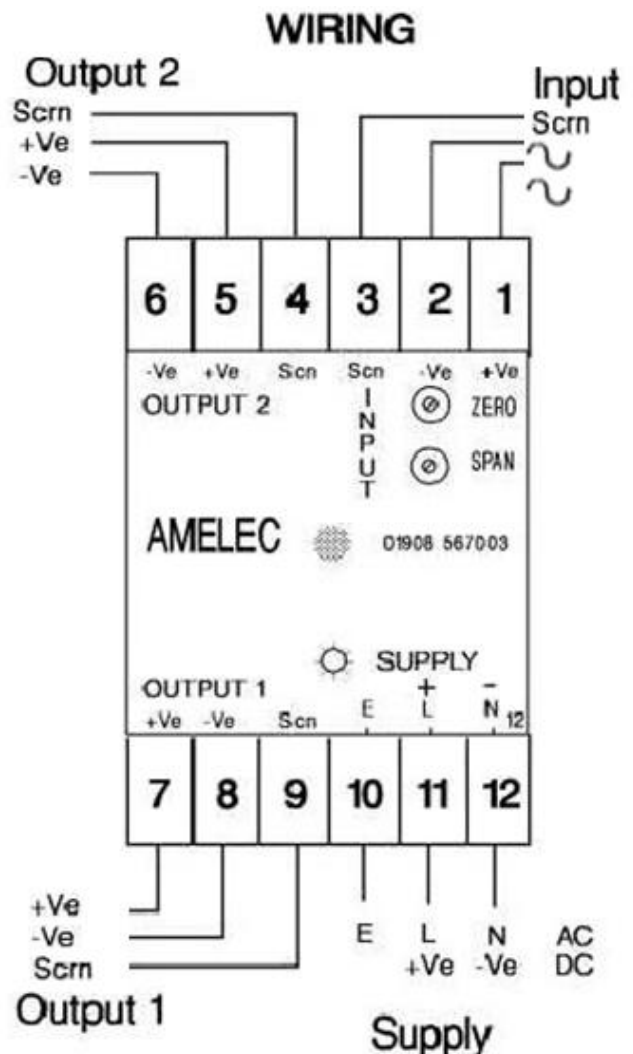
Storage Temperature: -40 to 70°C
Operating Ambient: -15 to 55°C
Relative Humidity: 5 – 95% RH

Mounting

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

Dimensions

50w x 75h x 110d (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