

ADP452EPX-HV AC Voltage Transducer

- Suitable for SIL 1 rated (EN 61508-2) safety instrumented system (SIS) loop applications
- Supply voltage options:

115Vac	±20%
230Vac	±20%
24Vdc	±10%
48Vdc	±10%
- Non-Smart / Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010 'K' option available; (RF immunity: 20MHz-3GHz/5.25GHz $\leq$ 10V/m, 80MHz-1GHz/5.6GHz $\leq$ 30V/m, 889MHz/1.75GHz $\leq$ 40V/m)
- AMELEC Standard 10 year warranty

Technical Specifications

Input

High AC Voltage ranges, from 600V up to 1600Vac max
 Typical: 0-750Vac, 0-1000Vac or 0-1500Vac
 Intermediate ranges available on request

Output

4-20mA as standard (max 600Ω load)
 Other current or voltage (dc) signal ranges available on request

Isolation

3KV Input / Output
 (1000V RMS Output / Supply/ Earth)

Performance

Accuracy: $<\pm 2\%$
 Linearity: $<\pm 1\%$
 Supply consumption: $<3\text{VA}$
 Input Open Circuit response: Downscale drive as std

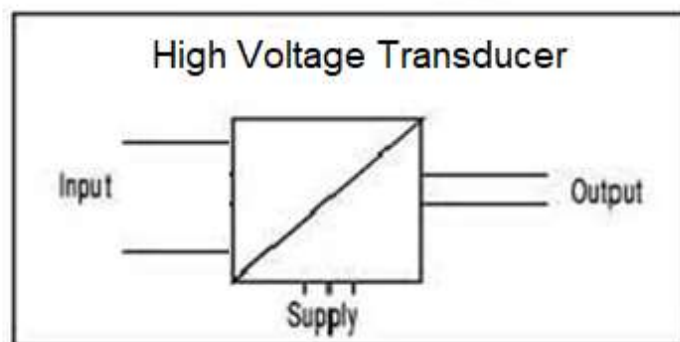
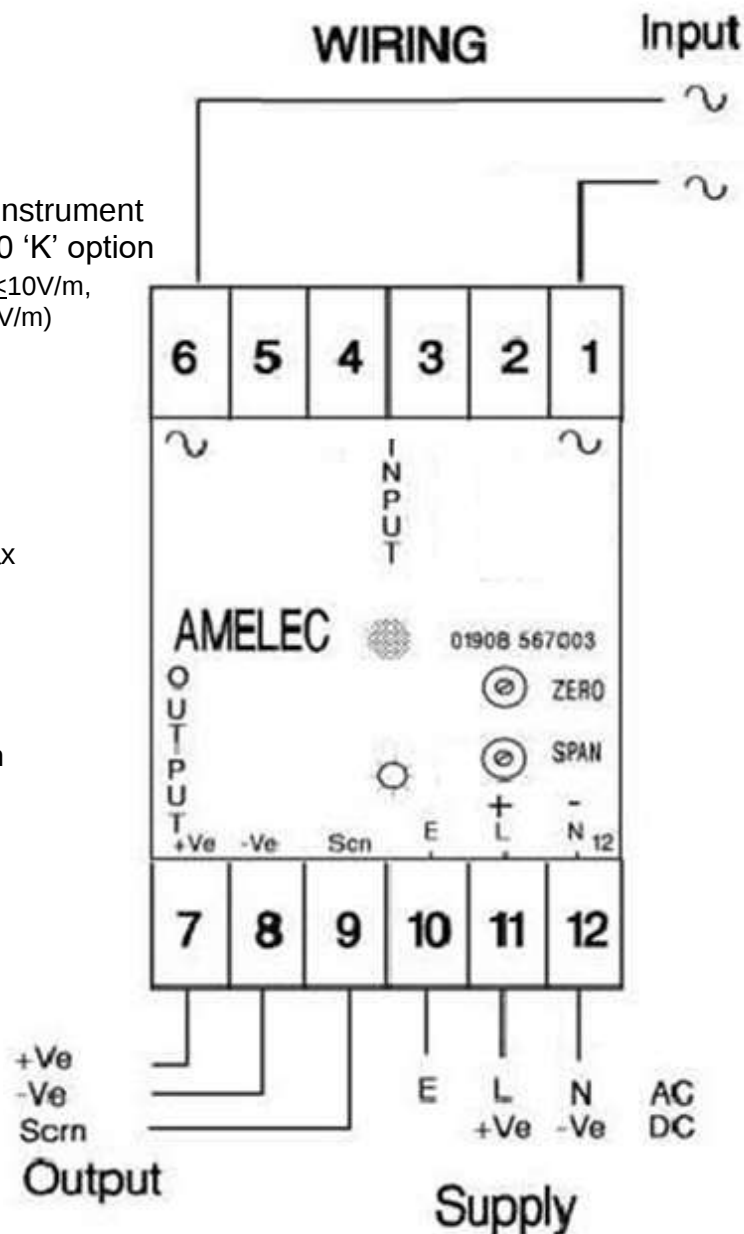
Environmental Conditions

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)
 ('K' option: EMC/EMI/RFI protection to the highest Generic Industrial Standards Test levels)

Dimensions / Mounting

Std Enclosure: 50w x 75h x 110d mm
 TS35 Din Rail or Surface by corner fixing holes

'K' option Enclosure: 50w x 75h x 182d mm
 TS35 Din Rail or Surface by optional Keyhole plate



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