

## ADP454EP AC Voltage Transducer / Isolator with dual output

- Suitable for SIL & SIL 2 rated (EN61508) Safety Instrumented System (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type A instrument
- Supply voltage options: 24Vdc or 48Vdc ( $\pm 10\%$ )
- RFI Protection to EN61000-4-3:2006/A2:2010 option 'K' available
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Single Input

Any standard ac voltage range, up to 500Vac max  
 Typical: 0-100Vac, 0-220Vac or 0-440Vac  
 Intermediate ranges available at no extra cost on request

#### Dual Outputs

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

#### Typical Output channel options

4-20mA (max load 500 $\Omega$ ), 0-10mA (max load 1000 $\Omega$ )  
 1-5Vdc (min load 250 $\Omega$ ), 0-10Vdc (min load 500 $\Omega$ )

#### Isolation

1000V RMS Input/Output/Output/Supply/Earth.

#### Controls

Zero/Span:  $\pm 20\%$  span adjustment for each output

#### Accuracy/Linearity

$\leq \pm 0.2\%$  span

#### Environmental Conditions

Storage Temperature:  $-40$  to  $70^{\circ}\text{C}$   
 Operating Ambient:  $-15$  to  $55^{\circ}\text{C}$   
 Relative Humidity: 5 – 95% RH (non-condensing)  
 EMC: 2014/30/EU, EN 61326-1:2013 (controlled EM)  
 ('K' option to the highest EMC/EMI/RFI Generic Industrial levels)

#### Mounting

Din Rail (TS35) or Surface by corner fixing holes

**Dimensions:** 50w x 75h x 110d mm

(RFI 'K' option enclosure = 182d mm)

