

## ADP991K Single Channel Power Supply

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, 1oo1 architecture (HFT:0)
- Supply voltages:
  - 115Vac  $\pm 20\%$
  - 240Vac  $\pm 20\%$
  - 24Vdc  $\pm 10\%$
  - 48Vdc  $\pm 10\%$
  - 110Vdc  $\pm 10\%$
- RFI Protection to IEC61000-4-3:2006/A2:2010
- AMELEC Standard 10 year warranty

### Technical Specifications

#### Output

5, 10 and 24V with a nominal 20% adjustment  
Loads of up to 2Amps may be specified.

#### Typical Outputs

10Vdc @ 250mA  
12Vdc @ 0.5A  
24Vdc @ 250mA  
24Vdc @ 0.5A  
24Vdc @ 1A

#### Isolation

500Vdc. Output/Supply/Earth

#### Environmental Conditions

Storage Temperature: -40 to 70°C  
Operating Ambient: -15 to 55°C  
Relative Humidity: 5 – 95% RH  
RF Immunity: 20MHz-3GHz/5.25GHz 10V/m,  
(80MHz-1GHz/5.6GHz 30V/m, 889MHz-1.75GHz 40V/m)

#### Mounting/Dimensions

50w x 75h x 182d (mm) enclosure  
Din Rail (TS35) as standard

Surface/Seismic Keyhole plate option available  
(Seismic mounting plate Dims: 50w x 130h mm)

#### Customer Termination

Fixed screw terminals as standard  
(Plug-in terminals optional)

