

ADP901-1K Single Channel Loop Power Supply Unit

- Suitable for SIL 1 & SIL 2 rated (EN 61508-2) safety instrumented system (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Suitable for the excitation of field transducers
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to EN 61000-4-3:2006/A2:2010
- Non-Smart / Non-uProcessor based, Type 'A' instrument
- AMELEC Standard 10 year warranty

Technical Specifications

Output

5V, 10V and 24V options available, with a nominal 20% adjustment. Loads of up to 30mA

Typical Application

Excitation of a 2 wire DP cell

Protection

Isolation: 500Vdc.Output/Supply/Earth

Internal Fuse

RF Immunity: 20MHz-3GHz/5.25GHz $\leq 10\text{V/m}$,
(80MHz-1GHz/5.6GHz $\leq 30\text{V/m}$, 889MHz/1.75GHz $\leq 40\text{V/m}$)

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 (Generic Industrial Levels)

Consumption: <3VA

Dimensions

50w x 75h x 182d mm

Mounting

Either Din Rail (TS35) **or** Surface by seismic
Keyhole plate
(Surface mounting plate Dims: 50w x 130h mm)

