

## ADP901-1 Single Channel Loop Power Supply Unit

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

### Technical Specifications

#### Output

5V, 10V and 24Vdc options available, with a nominal 20% adjustment, Loads of up to 30mA as standard.  
(Loads >30mA to 200mA max available – 'X' option)

#### Typical Application

Excitation of a 2 wire DP cell

#### Protection

Isolation: 1000VRMS\* Output/Supply/Earth  
\*(500Vdc when RFI protection option 'K' is specified)  
Internal Fuse

#### 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 to the highest Generic Industrial levels)  
Consumption: <3VA

#### Dimensions

50w x 75h x 110d mm ('K' option = 182d mm)

#### Mounting

Either Din Rail (TS35) **or** Surface by corner fixing holes as standard.  
(K' option Surface by rear Keyhole Plate 50w x 130h mm)

### WIRING

