

ADP991-1 Single Channel Linear Power Supply

- Suitable for SIL 1 & SIL 2 rated (EN 61508) Safety Instrumented System (SIS) loop applications, as 1oo1 architecture (HFT:0)
- Non-Smart / Non-uProcessor based, Type 'A' instrument PSU
- Supply voltage options: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
- RFI Protection to EN61000-4-3:2006/A2:2010 available ('K' option)

Technical Specifications

Output

5, 10 and 24V with a nominal 20% adjustment, suitable for Loads of up to 250mA.

Typical Application

Excitation of Field Transducers & Transmitter Loops

Protection

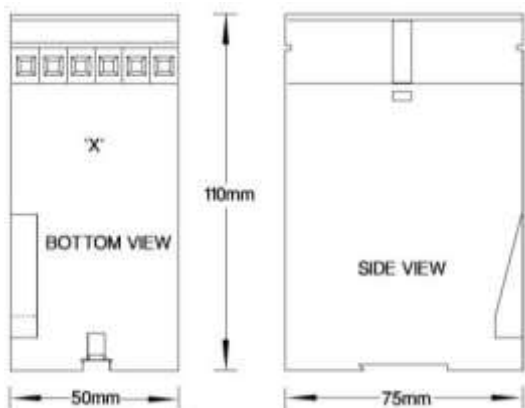
Isolation: 1000V RMS* Output/Supply/Earth
*(500Vdc when 'K' option RFI protection is specified)

Environmental Conditions

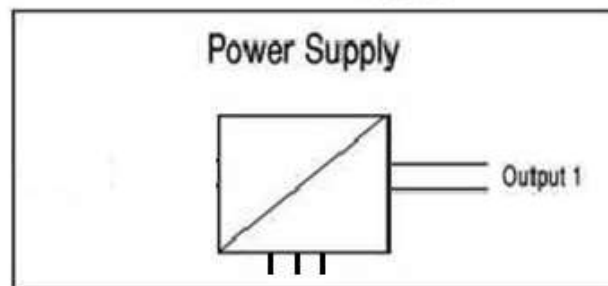
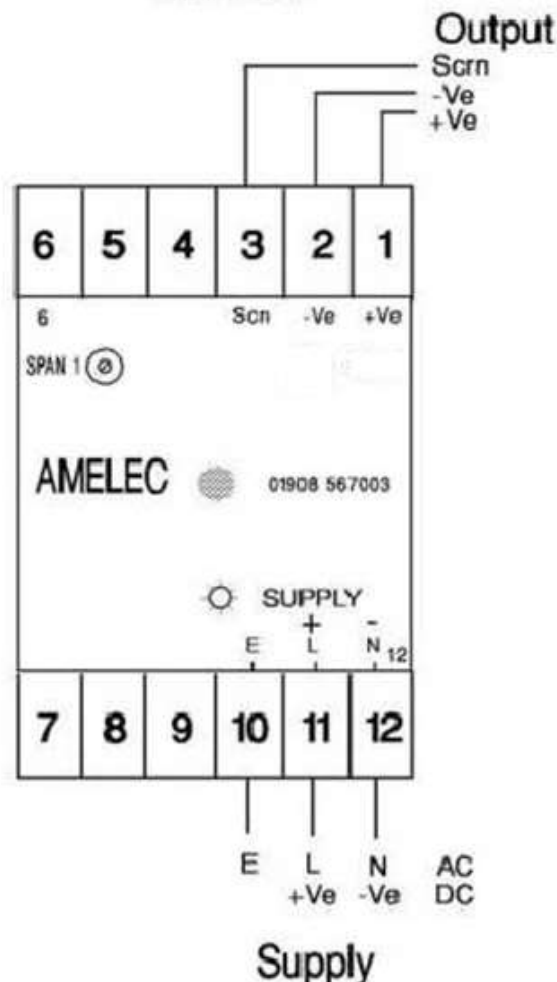
Storage Temperature: -40 to +70°C
Operating Ambient: -15 to +55°C
Relative Humidity: 5 – 95% RH (Non-Condensing)
EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)
(‘K’ option to the highest Generic Industrial levels)

Dimensions

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



WIRING



Mounting

Either Din Rail (TS35) **or** Surface by corner fixing holes as standard.

(K' option Surface mounting enclosure available by rear Keyhole Plate: 50w x 130h mm)