

AHP991 High Current Power Supply

- Suitable for the excitation of field transducers
- Supply voltage 21 to 30Vdc
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

FUNCTION

Power Supply module for field transducer excitation with Dual Output

OUTPUT

12, 15 or 24V with a nominal 20% adjustment.
Loads up to 1A

CONTROLS

Spans: 15 turn potentiometer to calibrate Output.

INDICATOR

Amber Led: power ON indicator

PERFORMANCE

Response time: Typically < 400mS
Linearity : $\pm 0.1\%$

PROTECTION

Isolation 1000V RMS*. Output/Supply
*500VDC if RFI option (K) is specified.
Internal Fuse.
Fail safe on loss of power

TERMINATION

O/P 1 +

O/P 1 -

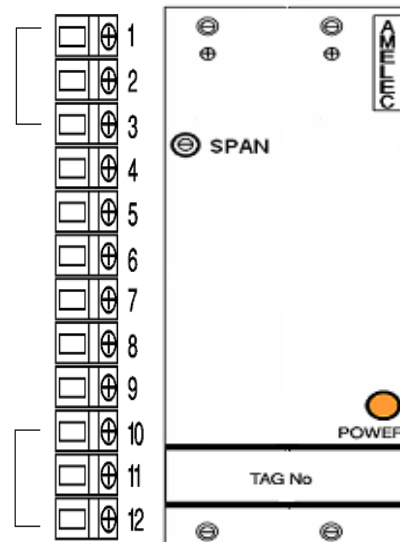
SCN

EARTH

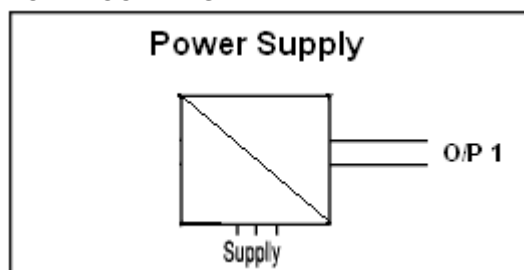
L or +

N or -

FRONT VIEW



FUNCTION BLOCK DIAGRAM



ENVIROMENTAL CONDITION

Storage temperature: - 40 to +70 °C
Operating Ambient: -15 to +55 °C
Relative Humidity: 5 to 95% RH

MOUNTING / DIMENSION

Card 3U high 8E wide
Mounting 19" rack / 84E wide (See rack GA for details)
Card weight < 500g

ADD ON / OPTIONS

K: RFI protection to IEC801-3
Non standard Power supply ranges available