

AEP452EP AC Voltage Transducers

- Suitable for wide range of AC current / Voltage inputs.
- True Universal: 21 through to 265V AC/DC
- Amelec 2 year warranty

APPLICATION

- Any application where AC signal is required to be isolated, converted and transmitted.

TECHNICAL SPECIFICATION

INPUT

AEP452EP: AC Voltage up to 500V max

Typical input range: 0 – 110Vac.

OUTPUT

DC current or voltage available in the range of:
0 – 20mA, 4 – 20mA (dc) into 650 ohms max.
0 – 5V, 0 – 10V, 1 – 5V, 2 – 10V (dc) into 1Kohms min.

Typical output range: 4 – 20mA (Source)

CONTROLS

15 turn potentiometer.
Zero $\pm 10\%$ per output
Span $\pm 10\%$ per output

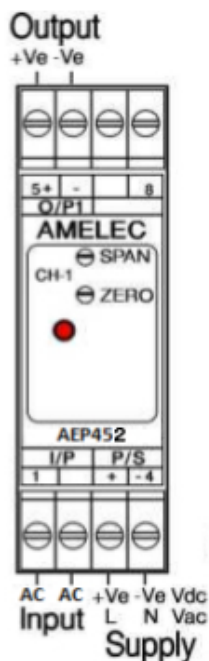
PERFORMANCE

Response time: Typically < 400ms
Accuracy: < $\pm 0.5\%$
Supply regulation: $\pm 20\%$
Supply consumption: < 3.5VA

PROTECTION

Isolation: IP/OP/OP/Supply
Internal Fuse.
Input over range up to typically 300%.

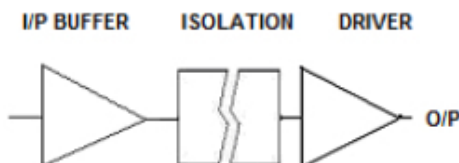
TERMINATION



FRONT VIEW



FUNCTION BLOCK DIAGRAM



ENVIRONMENTAL CONDITION

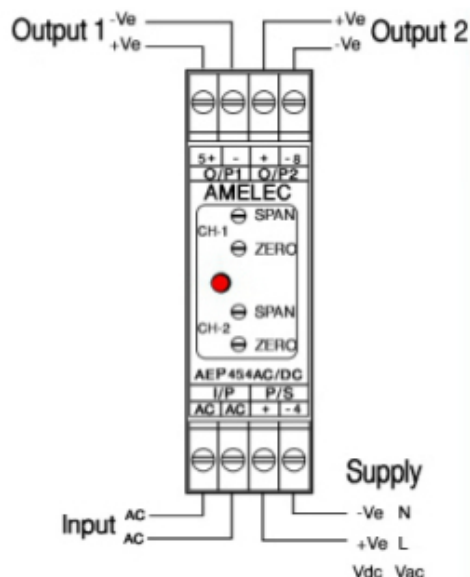
Storage temperature: - 20 to +70 °C
Operating Ambient: 0 to +60 °C
Relative Humidity: 5 to 95% RH

WIRING/MOUNTING / DIMENSION

Detachable plug/socket terminal blocks
Enclosure: 22 x 75h x 105d
Mounting: Din rail
Weight < 250g

AEP454EP Dual Output AC Voltage Transducers

TERMINATION



FRONT VIEW



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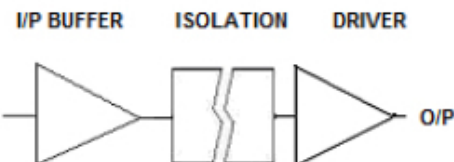
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