

ADM240KX Potentiometer Transmitter

- Suitable for Any Resistance / Potentiometer
- Supply voltage: 48Vdc (Other ranges available)
- RFI protection to IEC801-4-3
- Amelec standard 10 year warranty
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

APPLICATION

- Any application where potentiometer signal requires to be converted and transmitted.

TECHNICAL SPECIFICATION

INPUT

Any Potentiometer can be specified in the range of:
1K ohms to 10K ohms.
(Input excitation 1V dc @ 2mA max)

OUTPUT

DC current or voltage specified in the range of:
Current up to 100mA max in Sink configuration (externally powered)
Current up 22mA max Source configuration (Internally powered)
Voltage any from 0.4 to 20V max @ up to 5mA per output.
Typical output range: 4 - 20mA (Source)

CONTROLS

15 turn potentiometer.
Zero $\pm 25\%$
Span $\pm 25\%$

INDICATOR

Power ON: LED, Amber.

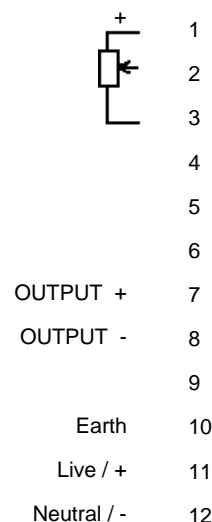
PERFORMANCE

Linearity: $< \pm 0.1\%$
Response time: Typically $< 400\text{ms}$
Accuracy: $< \pm 0.1\%$
Supply regulation: $\pm 20\%$
Supply consumption: $< 2\text{VA}$

PROTECTION

Isolation 500V DC: IP/OP/Supply/Earth
Internal Fuse.
Input over range up to typically 300%.

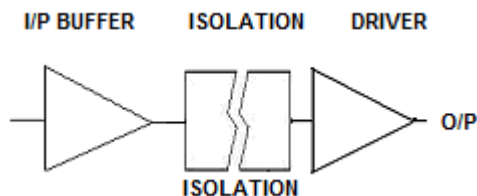
TERMINATION



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

Enclosure: 50w x 75h x 182d
Mounting: Surface Keyhole (optional Din /Panel Mount)
Weight $< 500\text{g}$

ADD ON / OPTIONS

J : Input injection jack socket
P: Test point (Trip set point monitoring)
Non standard Power supply ranges available