

ADM237XK Signal Isolator / Splitter

- Suitable for Process DC current signal
- Supply voltage: 24Vdc/115Vac/230Vac (Other ranges available)
- RFI protection to IEC61000-4-3 available
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

TECHNICAL SPECIFICATION

INPUT

DC current / voltage can be specified in the range of:

Current up to 100mA max (Sink)
Current up to 22mA (Source)
Voltage 0.4 to 100V max
Typical input: 4 - 20mA (Source)

OUTPUT

DC current or voltage specified in the range of:
Current up to 50mA max in Sink configuration (externally powered)
Current up to 22mA max Source configuration (Internally powered)
Voltage any from 0.4 to 11V max @ up to 20mA per output.
Typical output range: 4 - 20mA (Sink/Source)

CONTROLS (Master)

15 turn potentiometer.
Zero $\pm 25\%$
Span $\pm 50\%$

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: $< 3\text{VA}$

PROTECTION

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

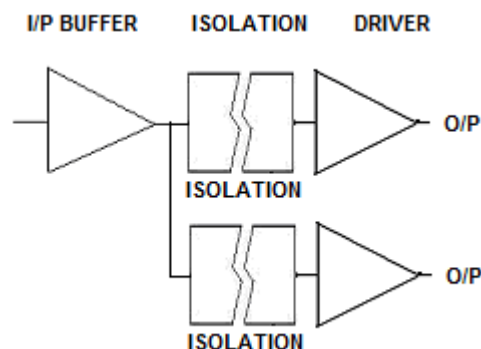
TERMINATION

I/P Source +	1
I/P Source - / Sink +	2
I/P Sink -	3
O/P2 Source +	4
O/P2 Source - / Sink +	5
O/P2 Sink -	6
O/P1 +	7
O/P1 -	8
NC -	9
Earth	10
Live / +	11
Neutral / -	12

FRONT VIEW



FUNCTION BLOCK DIAGRAM



ENVIRONMENTAL 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 168d
Mounting: Din Rail (optional Surface Keyhole /Panel Mount)
Weight $< 500\text{g}$

ADD ON / OPTIONS

DI: 3.5 digit LCDdisplay
J : Input injection jack socket
P: Test point (Trip set point monitoring)
Non standard Power supply ranges available

ADM237XK Signal Isolator / Splitter

