

ADM230X-2SW Signal Switch

- Suitable for most Process & unusual Signals
- Supply voltage: 24Vdc / 115Vac / 230Vac
- RFI protection to IEC801-3 available
- Amelec standard 10 year guarantee
- Suitable for SIL Level 1, 2, & 3 (IEC 61508-2)

APPLICATION

- Booster/converter for unusual Process signals.

TECHNICAL SPECIFICATION

FUNCTION

Isolate and convert standard process signal to unusual high DC current or Voltage outputs.

INPUT

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

Current up to 100mA max (Passive)
Voltage 0.4 to 100V max
Typical input: 4 - 20mA (Passive).

OUTPUT

DC current or voltage specified in the range of:
Current up 20mA max Source configuration
Switch Voltage any from 0.4 to 24V max @ 20mA.
Typical output range: 0 / 24Vdc

CONTROLS

Zero / Span: 15 turn potentiometer.

INDICATOR

Power ON: LED, Amber.

PERFORMANCE

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

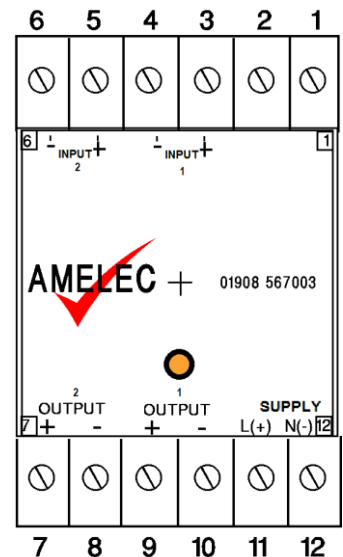
PROTECTION

Input O/C drive Downscale. (Upscale may be specified).
Isolation 1000V RMS. Input / (Output + Supply) / Earth
Internal Fuse.
Input over range up to typically 300%.

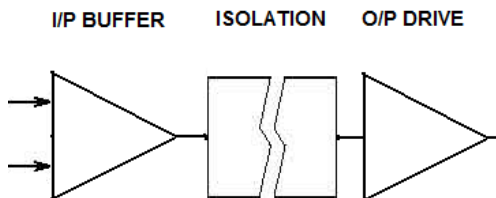
TERMINATION

	1
	2
INPUT 1 +	3
INPUT 1 -	4
INPUT 2 +	5
INPUT 2 -	6
OUTPUT 2 +	7
OUTPUT 2 -	8
OUTPUT 1 +	9
OUTPUT 1 -	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 110d
Mounting: Din rail / (optional Surface/ Panel Mount)
Weight < 300g

ADD ON / OPTIONS

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