

ADM250X - Special Pulse Converter

- Suitable for wide range of Pulses and Frequency
- Supply voltage: 24Vdc /115Vac/230Vac
- Amelec standard 10 year guarantee

TECHNICAL SPECIFICATION

INPUT

DC current / voltage Pulses:

Current up to 100mA max (Passive)
Voltage 10 to 100V max
Frequency up to 10Khz can be specified.

Typical input: 10V pulses @ 4Hz

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 1 to 10Vdc max @ up to 5mA per output.
Typical output range: 0 – 10Vdc (Source)

CONTROLS / FUNCTION

Time: Adjustable time constant range 1 to 60 sec. set by 15 turn blindset potentiometer on the front panel.

Zero: 15 turn blindset potentiometer on the front panel to set low limit. This will ignore the portion of the input pulse that is below the set limit and so the output will represent the DC average of the pulse above the low limit point. Range 1 - 50%.

Span: 15 turn blindset potentiometer on the front panel to set the gain.

INDICATOR

Power ON: LED, Amber.

PERFORMANCE

Response time: Adjustable 1 - 60sec
Accuracy: $< \pm 1\%$
Supply regulation: $\pm 10\%$ (DC) 20% (AC)
Supply consumption: $< 3\text{VA}$
Temp Coefficient: $0.03\% / \text{Deg C}$

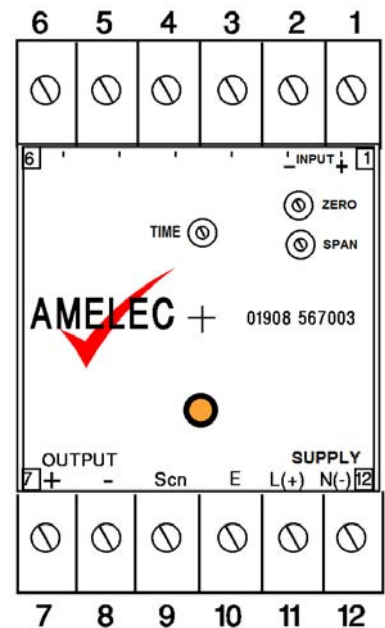
PROTECTION

Isolation 1000V RMS: IP/OP/Supply/Earth
Internal Fuse.
Input over range up to typically 200%.

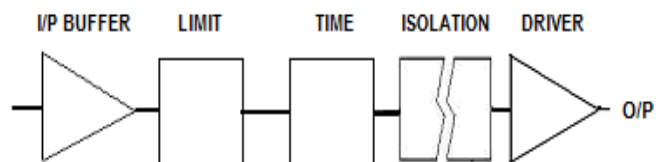
TERMINATION

Input +	1
Input -	2
	3
	4
	5
	6
OUTPUT +	7
OUTPUT -	8
	9
Earth	10
Live / +	11
Neutral / -	12

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 $< 300\text{g}$

ADD ON / OPTIONS

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