

ADM250X- Pulse DC Average 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 1Mhz can be specified.

Typical input: 2.5V pulses @ 1MHz

Output will represent the DC average of the pulse.

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

Zero: 15 turn blindset potentiometer on the front panel to Calibrate Zero Output.

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

INDICATOR

Power ON: LED, Amber.

PERFORMANCE

Accuracy: $< \pm 1\%$

Supply regulation: $\pm 10\%$ (DC) 20% (AC)

Supply consumption: $< 2\text{VA}$

Temp Coefficient: 0.03% / 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

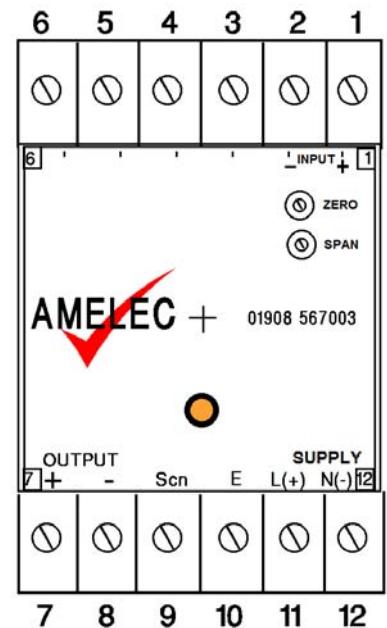
9

Earth 10

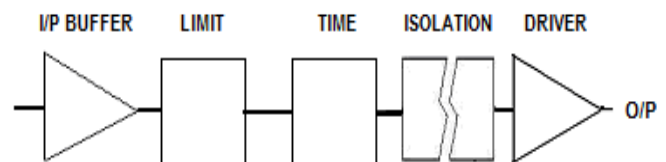
Live / + 11

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 < 300g

ADD ON / OPTIONS

J : Input injection jack socket

P: Test point (Trip set point monitoring)

Non standard Power supply ranges available