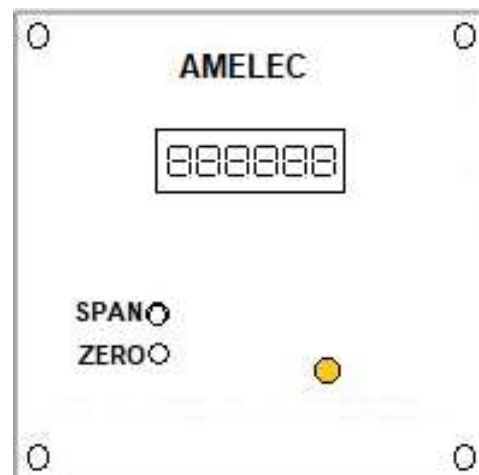


## ADC353D6PX Linear Integrator

- Suitable for SIL 1, SIL 2 & SIL 3 rated (EN 61508-2) safety instrumented system (SIS) loop applications
- Suitable for flow applications where an external counting device totalises impulses, or as a voltage/current to pulse transmitter.
- Supply voltage options: 115Vac  $\pm 20\%$   
240Vac  $\pm 20\%$   
24Vdc  $\pm 10\%$   
48Vdc  $\pm 10\%$
- Non-Smart / Non-uProcessor based, Type A instrument
- RFI Protection to EN 61000-4-3:2006/A2:2010 available ('K' option)
- AMELEC Standard 10 year warranty



### Technical Specifications

#### Input

Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span.

Current from 1mA span, up to 100mA max input (passive port)

Voltage ranges up to 150Vdc max as std (impedance  $\geq 1M\Omega$ )

Typical Input: 4-20mA (impedance  $20\Omega$ ) or 0-10Vdc (impedance  $1M\Omega$ )

#### Display / Output (R)

High performance 6-digit Electromechanical display.

Optional output: contact closure ('R' Option)

Cut off factory set at 1% of span as std.

('other' pulse durations available on request)

#### Typical count rate:

0-1000 counts per hour. Other count rate up to 50000/hr available as standard on request.

Accuracy/Linearity:  $< \pm 0.1\%$  span

#### Isolation

1000V RMS\* Input/Output (R)/Supply/Earth

\*(500Vdc if 'K' option RFI protection is specified)

#### Environmental Conditions

Storage Temperature:  $-40$  to  $+70^{\circ}\text{C}$

Operating Ambient:  $-15$  to  $+55^{\circ}\text{C}$

Relative Humidity: 5 – 95 RH (Non-Condensing)

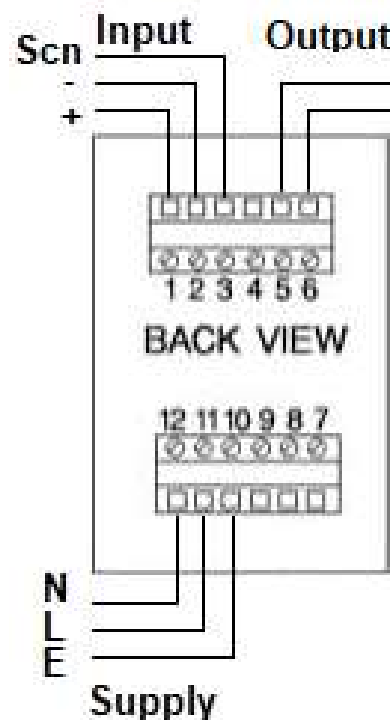
EMC: Directive 2014/30/EU, EN 61326-1: 2013 (Controlled EM)

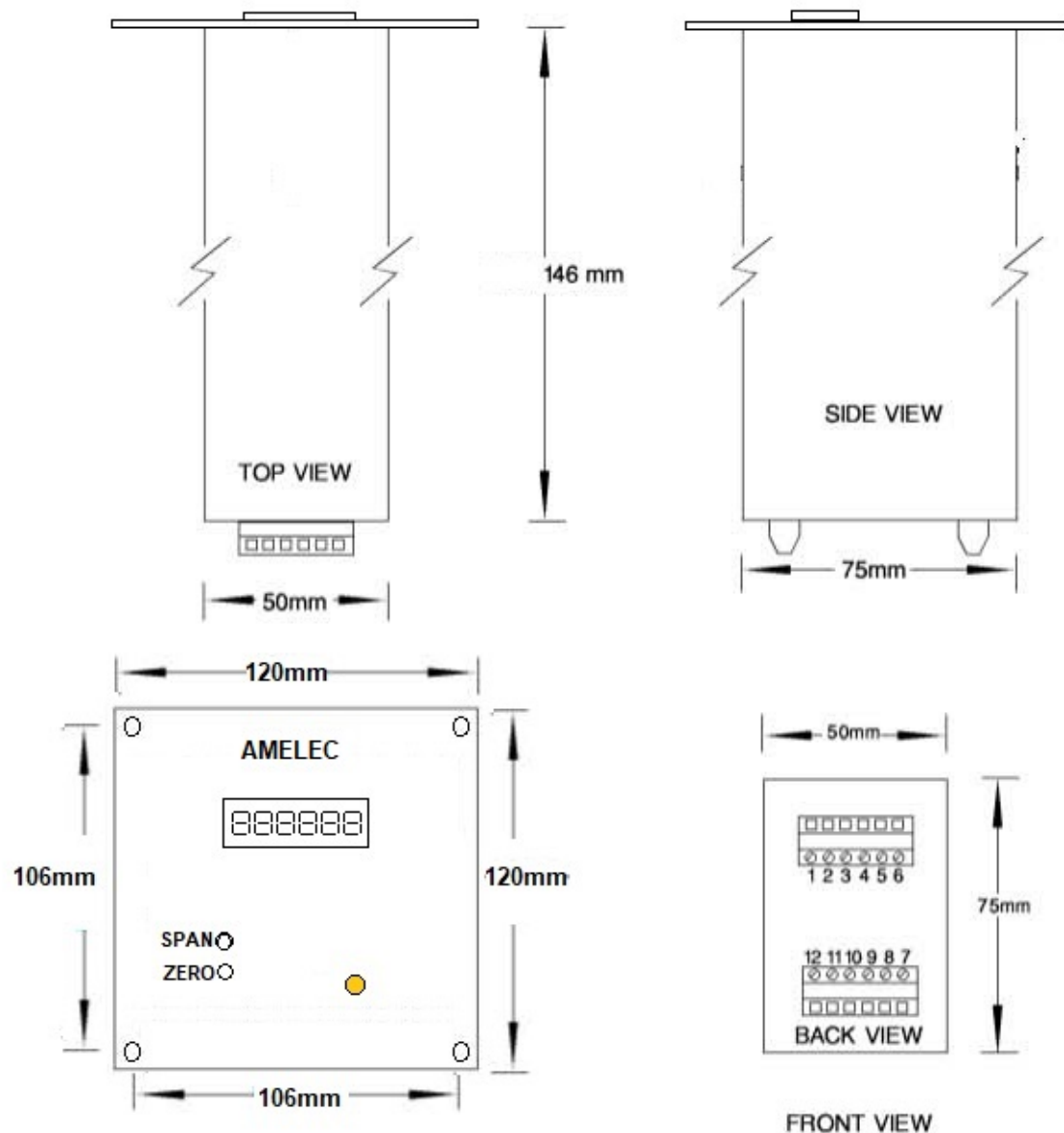
('K' option: to the highest Generic Industrial levels)

#### Dimensions/Mounting

Front of panel: 120w x 120h x 146d mm

Panel cut out: 91 x 91mm





#### NOTES:

- 1) The main part of the enclosure is a one-piece aluminium extrusion. The end panels are machined from solid
- 2) 4 x 3.2mm corner fixing holes for securing the panel in place.
- 3) Panel cut out dimensions 76 x 51mm Minimum  
91 x 91mm Maximum

DIMENSIONS in mm  TOLERANCES ± Nominal 0.4 mm Decimal 0.15 mm  Unless shown otherwise	Drawn: BS	REVISION	TITLE: Panel enclosure		<b>AMELEC</b> <b>INSTRUMENTS</b> Cochran Close, Presley Way Crownhill, Milton Keynes, MK8 0AJ	
	Checked:		Views of enclosure showing major dimensions.			
	Approved:		Used on Assembly	SCALE	DRAWING NO.	Sht 1
	Date: 31/01/2023		AD Series product	N.T.S.	AD Panel mount enclosure	of 1