

ADC353K Linear Integrator

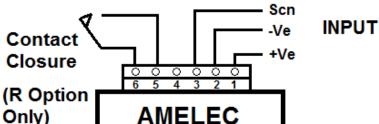
Only)

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1001 architecture (HFT:0)
- Suitable for flow applications where an external counting device totalises impulses or as a voltage/current to pulse transmitter.
- Supply voltage options: 115Vac ±20%

240Vac ±20% 24Vdc ±2.5V 48Vdc ±5V

- RFI Protection to IEC61000-4-3:2006/A2:2010
- AMELEC Standard 10 year warranty

WIRING



Technical Specifications

Input

Any current or voltage (DC) drive that can be terminated in a PI network to produce a 400mV span. Typical examples; 4-20mA (impedance 20 Ω), 1-5Vdc or 0-10Vdc (impedance 1M Ω)

Output

A pulse (24Vdc 30mS duration as std) and/or Volt Free Contact Closure ('R' Option), with a full scale specified anywhere in the range of 0-50 counts up to 50,000 counts per hour. Cut off factory set at 1% of span as std.

Protection

Isolation: 500Vdc Input/Contacts/Contacts/Supply/Earth RF Immunity: 20MHz-3GHz/5.25GHz <10V/m, (80MHz-1GHz/5.6GHz <30V/m, 889MHz-1.75GHz <40V/m)

Performance

Response time: <100mS

Input Open Circuit response: Downscale drive

Accuracy/Linearity: <±0.1% span

Supply regulation: AC +/-20%, DC +/-10%

Consumption: 3VA

Environmental Conditions

Storage Temperature: -40 to 70°C Operating Ambient: -15 to 55°C Relative Humidity: 5 – 95 RH

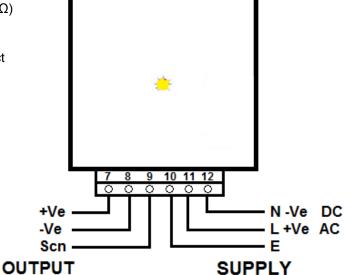
Enclosure Dimensions

50w x 75h x 182d mm

Mounting

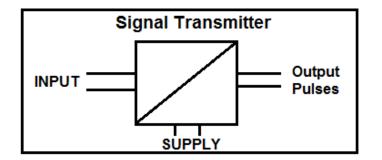
Heavy duty Din Rail (TS35) as std.

Surface by Seismic Keyhole Plate option is available, with a rear mounting plate Dimension of: 50w x 130h mm.



ZERO

(Ø) SPAN



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