ADC374(X) Ramp Generator

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, 1oo1 architecture (HFT:0)
- Suitable for volt free or volt applied contact inputs
- Supply voltage options: 115Vac ±20%
  240Vac ±20%
  24Vdc ±10%
  48Vdc ±10%
- RFI Protection to IEC61000-4-3:2006/A2:2010 available ('K' option; RF Immunity 20MHz-3GHz/5.25GHz ≤10V/m)
- AMELEC Standard 10 year warranty

Technical Specifications

Typical Input/ Function
Volt Free (or DC Voltage applied) contact closures to either raise or lower the output from 0 to 100%, with the output held at last level when both contacts are open.

Either the time of contact closures can determine how long the output takes to rise / fall from 0 to 100%, Or each contact closure event can step the output up or down by a fixed percentage of span (*Typically 10 pulses/0-10 steps for 0-100% span, i.e 10% step changes*).
N.B; The inputs share a common 0v.

Output
Any standard process current or voltage in the range of;
Current source up to 22mA max, with drive voltage 24Vdc (Current Sink option available, 30Vdc max external drive)
Voltage source from 0.4V span, up to 20V max output
Typically 4-20mA (max load 1200Ω) or 0-10Vdc (min load 500Ω)

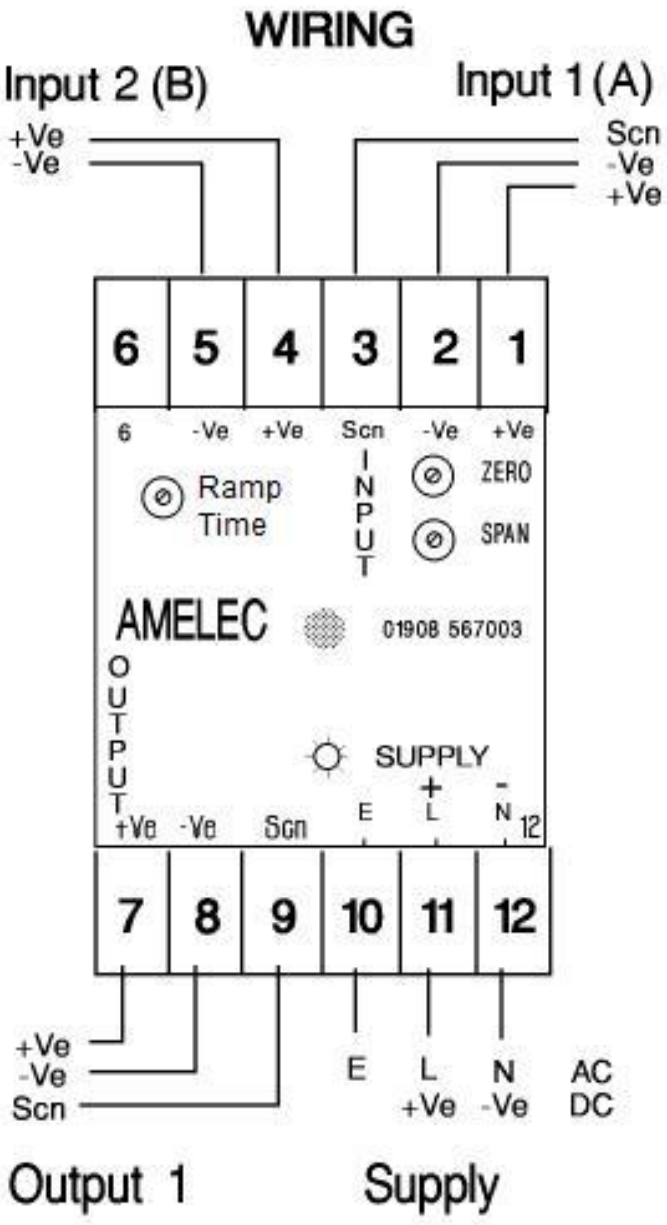
Typical Fixed Ramp Times
Factory set at 10, 20 or 40 seconds full range 0-100%,
Or 10% span step changes per contact closure/pulse.

Suffix 'X' options
Adjustable Ramp Times, AC Voltage applied inputs or 'other' customised functions available on request.

Isolation/Protection
1000V RMS* (Inputs to Output)/Supply/Earth
*(500Vdc when RFI option 'K' is specified)

Environmental Conditions

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



Mounting:

Either Din Rail (TS35) ***or*** Surface by corner fixing holes as standard

Dimensions: 50w x 75h x 110d mm

(**K** option enclosure = 182d mm)

Tel: 01908-567003 Email: sales@amelec-uk.com Visit: www.amelec-uk.com Fax: 01908-566735
AMELEC Instruments, Cochran Close, Crownhill, Milton Keynes, MK8 0AJ

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