

ADC321 Lead/Lag Transmitter

- Suitable for SIL 1, 2 & 3 applications
- Suitable for any process input
- Supply voltages: 115Vac $\pm 20\%$
240Vac $\pm 20\%$
24Vdc $\pm 2.5V$
48Vdc $\pm 5V$
- AMELEC Standard 10 year warranty

Environmental Conditions

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

Typical Input

Current 4-20mA 20 Ω
Voltage 1-5Vdc 1M Ω

Technical Specifications

Input

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

Output

Any standard process current or voltage
(The outputs may be different)
Current source up to 20mA. Drive voltage 24Vdc
Voltage source up to 10V. Max current 20mA

Function

Will give linear phase advance or delays to signals.
Time rate is adjustable over 36-360 seconds by 15 turn blindset potentiometer on front fascia. Rate of change of signal is linear with time.

Isolation

1000V RMS. Input(s)/Output(s)/Supply/Earth
Linearity $< \pm 0.1\%$

Typical Outputs

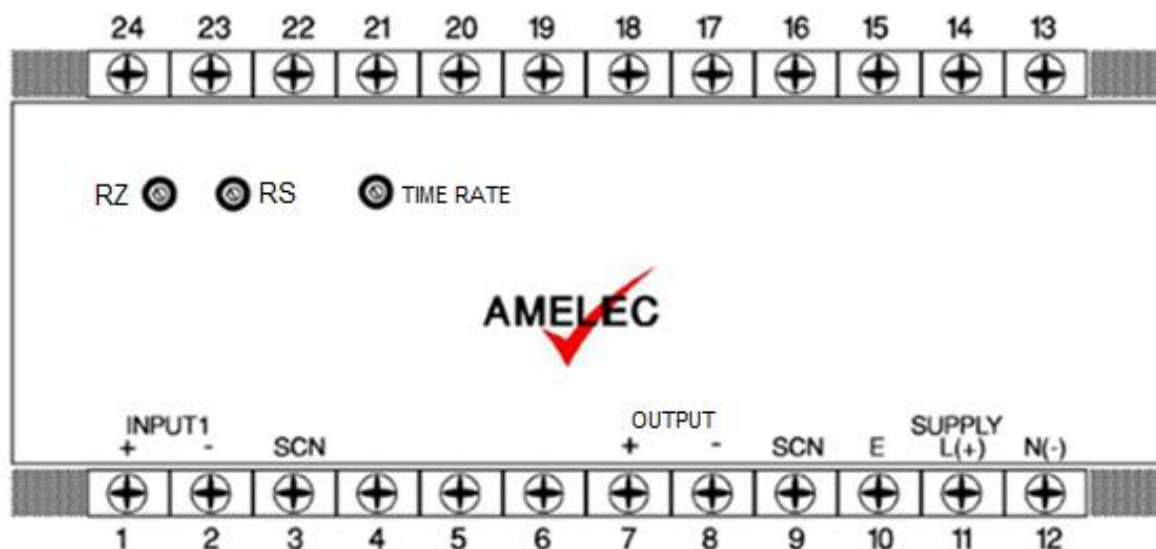
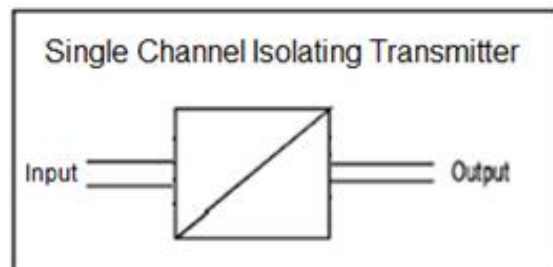
Current 4-20mA max load 1200 Ω
Voltage 1-5Vdc min load 250 Ω

Dimensions

152w x 81h x 137d (mm)

Adjustable Pots

RZ - Zero % (4mA) trimming pot adjustable $\pm 15\%$ -20%
RS - 100% (20mA) trimming pot adjustable $\pm 15\%$ -20%
Time Rate - anti-clockwise - 0-100% minimum time
- clockwise - 0-100% maximum time



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