

## **AEC250 AC Voltage/Current Signal Conditioner / Isolator**

- Non-Smart/Non-uProcessor based, Type A instrument
- True universal AC/DC supply voltage 21V through 265V AC/DC

### **Technical Specifications**

# Output 1

WIRING

O/P1

CH-1

AMELEC

O SPAN

→ ZERO

#### <u>Input</u>

Any Sinusoidal AC Voltage or Current signal. Voltage span range from 50mV up to 150V ac Current span range from 1mA to 200mA ac . Frequency range from 10 - 400Hz as std (up to 5000Hz available) Typical Input: 0 – 5mA AC, 0-10mA AC, 0-20mA AC, 0-10Vac or 0-20Vac.

#### Output

The output signal range is 4-20mA (Active port, into 650Ω max load) as std, with other ranges available on request. The current source can be up to 20mA with a drive voltage of 13V. The voltage source can be up to 10V's, max drive 3mA.

Other Typical Output ranges include; 0-10mA, 0-20mA, 1-5mA, 0-

1V, 0-2V, 0.4-2V, 0-5V, 0-10Vdc, 1-5V, 2-10Vdc.

The mA output is configured as an Active/Source port as std.

## <u>Performance</u>

Response time: <250mS (0-100% input step change)

Passive/Sink port option is available on request.

Input O/C response: Downscale drive Accuracy/Linearity: < ±0.5% span

Isolation: 1000V RMS Input/Output/Supply

Supply regulation: Universal 21V up to 265V (AC or DC)

Typical Burden on 24Vdc supply: <1.3W Typical Burden on AC supply range: <3W

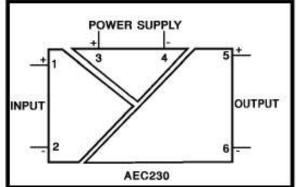
#### **Environmental Conditions**

Storage Temperature: -20°C to +70°C
Operating Ambient: -16°C to +55°C

Relative Humidity: 5 - 95% RH (Non-condensing) EMC: 2014/30/EU, EN 61326-1:2013 (Controlled EM)

#### **Dimensions & Mounting**

22.5w x 75h x 105d mm enclosure for Din Rail (TS35)



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