

ADM230-HV High Voltage Process Signal Transmitter

- Suitable for SIL 1, SIL 2 & SIL 3 (EN 61508-2) safety system loop applications
- Suitable for combinations of Voltage inputs & I/V outputs
- Supply voltage options: 115Vac $\pm 20\%$
230Vac $\pm 20\%$
24Vdc $\pm 10\%$
48Vdc $\pm 10\%$
110Vdc $\pm 20\%$
- RFI Protection to EN 61000-4-3:2006/A2:2010 available
- AMELEC Standard 10 year warranty

Technical Specifications

Input

High DC Voltage, from 300Vdc up to 600Vdc

Typical Input

0-550Vdc (impedance $> 2M\Omega$)

Output

Any standard process current or voltage
Current source up to 20mA. Drive voltage 24Vdc
(Current Sink option 30Vdc max external)
Voltage source up to 10V. Max current 20mA

Typical Output

Current: 4-20mA max load 1200Ω
Voltage: 0-10Vdc min load 500Ω

Isolation

1000-1500Vdc Input / (output/supply/earth)
(1000V rms Output/Supply/Earth)

Accuracy/Linearity

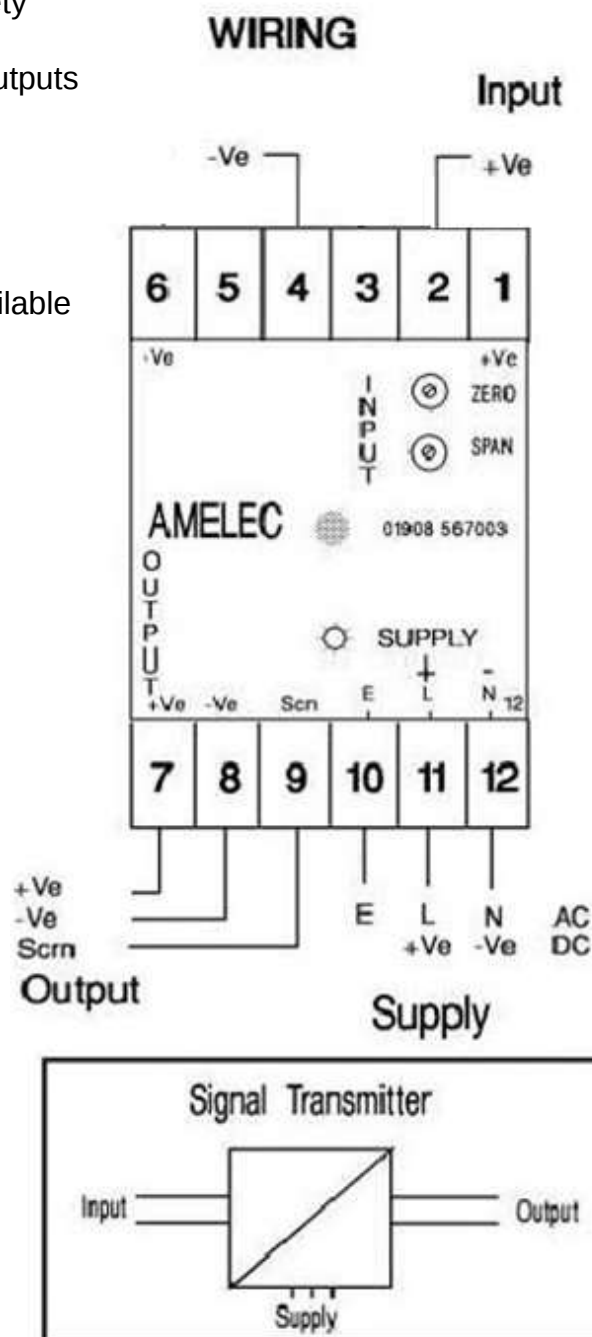
$\pm 0.1\%$ span

Environmental Conditions

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

Mounting/Dimensions

Din Rail (TS35) or Surface by corner fixing holes.
Enclosure: 50w x 75h x 110d mm



Additional Options

DI = A 3½ digit Display of the input or output, scaled as either 0-100.0% or Engineering units.

K = RF Immunity: 20MHz-3GHz/5.25GHz $\leq 10V/m$,
80MHz-1GHz/5.6GHz $\leq 30V/m$, 889MHz-1.75GHz $\leq 40V/m$
(Protection to EN 61000-4-3:2006/A2:2010)
'K' option enclosure = 50w x 75h x 182d mm.

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