

ADM231H 4-20mA Signal Splitter / Isolator

Output configured for

Source +Ve

Sink

Output 2

-Ve

Ov

- Suitable for SIL 1 & SIL 2 rated (IEC61508) safety system loop applications, as 1001 architecture (HFT:0)
- Supply voltage options: 24Vdc ±10%, 48Vdc ±10%, 110Vdc ±10%. 115Vac ±20% or 230Vac ±20%
- RFI Protection to IEC61000-4-3:2006/A2:2010 available, 'K' option.
- AMELEC Standard 10 year warranty

Technical Specifications

<u>Input</u>

4-20mA HART signal

Output 1

This is a bidirectional HART compatible in sink and source configuration. Nominal output range is 4-20mA. Other ranges available on request.

Output 2

Non-HART process output as Standard, normally 4-20mA although Other ranges are available on request.

May also be requested as a second bidirectional Hart compatible channel if required, 'H2' option.

Performance

Isolation: 1000V RMS Input/Output1/Output2/Supply/Earth

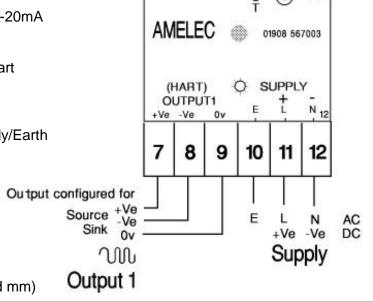
Accuracy/Linearity: <±0.1% span

Environmental Conditions

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

Dimensions

 $50w \times 75h \times 110d \text{ mm}$ ('K' option enclosure = 182d mm)



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OUTPUT2

WIRING

3

2

0

1

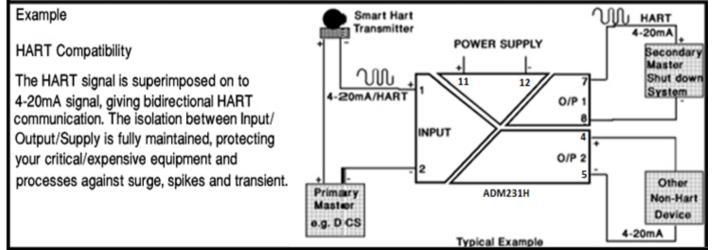
+Ve

ZERO SPAN

Input VM

Screen

-Ve +Ve Sink



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