

ASW230X-2 Dual Channel Loop Powered Signal Isolator

- Suitable for use with SIL1, SIL2 and SIL3 rated Safety Loop applications
- Compact Design - Only 22.5mm along the length of the rail.
- Standard AMELEC 10 Year Warranty
- Suitable for TS35 Top-Hat DIN Rail Mounting

Description

The ASW230X-2 is used in applications where an isolated signal is required on site and the only power is that provided by the existing loops.

The Isolator is often used when there is a design update, where there is a need to create a new loop which does not interact with the original loop.

Technical Specification (per channel)

Input Current:	-50 to 50 mA
Full Scale Volt Drop:	2.5V
Isolation:	1000V RMS
Linearity:	0.1%
Load Resistance Error:	5ppm/ohm
10-90% Time constant:	50mS

General Specification

Optimum operating conditions

Input Current:	0-20mA @ 24V
Output Current:	0-20mA
Output resistance:	0-600 ohms

Maximum Transient Conditions

Surge Voltage:	1.5kV, 50 microS pulse
Surge Transient:	10kV/microS
Overload Capacity:	+/- 50mA Input Current

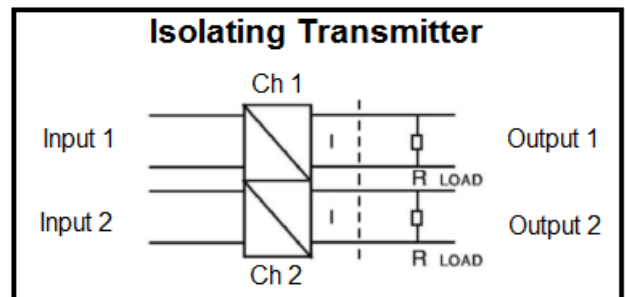
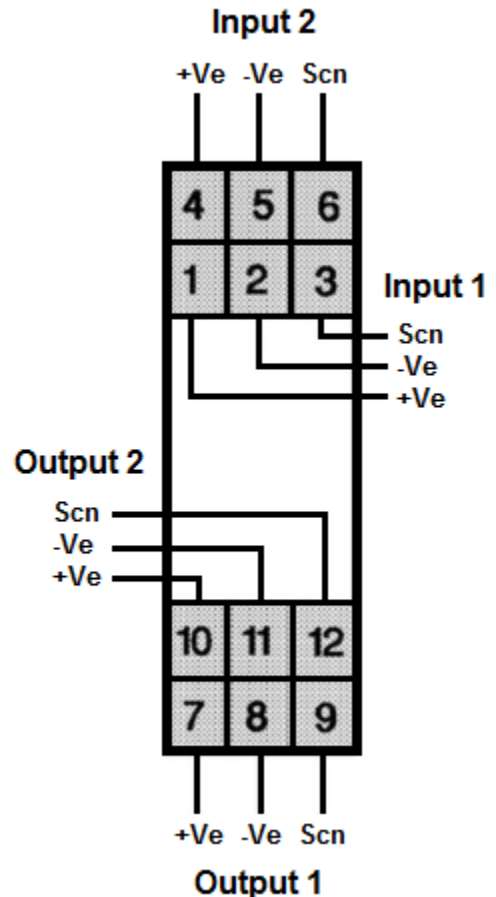
Environmental Conditions

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

Dimensions

H: 75mm W: 22.5mm D: 110mm

WIRING



NOTES:

1. The device is protected against reverse polarity
2. The ASW230X-2's output drive capability per channel is 2.5V less than the voltage available in the original current loop.

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