

ADW230X-2 Dual Process Loop Powered Transmitter

- Suitable for use with SIL1, SIL2 and SIL3 rated (EN61508-2) Safety Instrumented System (SIS) Loop applications
- High Accuracy / High Noise Immunity
- Non-Smart / Non-uProcessor based, Type A instrument
- Low Volt Drop
- 1000V RMS Isolation
- Standard AMELEC 10 Year Warranty

Description

The ADW230 series units are used in applications where an isolated signal is required on site and the only power is that provided by the existing loop. The ADW230X-2 is a dual channel unit.

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 Specifications

Input Current	-50 to 50mA
Full Scale Volt Drop	2.5V per channel
Isolation	1000V RMS
Linearity	<0.1% span
Load Resistance Error	5ppm/Ω
10-90% time Constant	50mS

Optimum Operating Conditions

Input Current	0-20mA @ 24V
Output Current	0-20mA
Output Resistance	0-600Ω

Maximum Transient Conditions

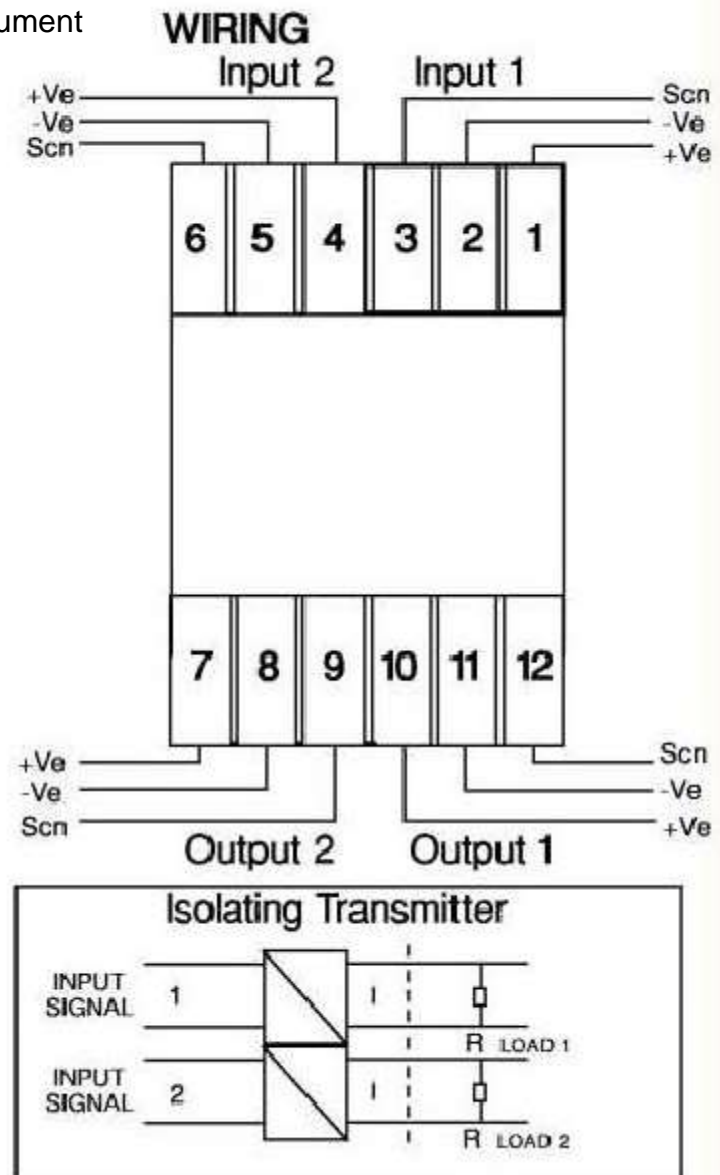
Surge Voltage	1.5kV, 50 microS pulse
Surge Transient	10kV/microS
Overload Capacity	±50mA Input Current

Environmental Conditions

Storage Temperature:	-40 to +70°C
Operating Ambient:	-15 to +60°C
Relative Humidity:	5 – 95% RH (Non-Condensing)
EMC:	2014/30/EU, EN 61326-1:2013 (Controlled EM)

Mounting / Dimensions

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



Notes

1. The device is protected against reverse polarity.
2. Each output drive capability is 2.5V less than the voltage available in the original corresponding current loop.