



AIM1

Input

Analog

Output

Analog

One to One Analog Isolation Module

The AIM1 optically isolates an analog voltage or current input signal from its corresponding output signal. The factory calibrated output is linear and proportional (1:1 ratio) to the input signal. The AIM1 will accept a 0 to 5 VDC, 0 to 10 VDC, or 0 to 20 mA input span and output any one of those same ranges. It requires one external 24 VAC isolation transformer for power and has an onboard 24 VAC isolation transformer to supply the isolated output.

The AIM1 is covered by ACI's Two (2) Year Limited Warranty. The warranty can be found in the front of ACI's Sensors & Transmitters catalog, as well as on ACI's web site, www.workaci.com.



Specifications

Supply Voltage	24 VAC +/-10%		
Supply Current	100 mA maximum		
Input Signal Impedance	0 to 5 VDC/20,000Ω	0 to 10 VDC/20,000Ω	0 to 20 mA/250Ω
Output Signal/Impedance	0 to 5 VDC/5000Ω	0 to 10 VDC/5000Ω	0 to 20 mA (source or sink)/500Ω
Accuracy	Voltage Modes: +/- 1%	Current Source Modes: +/- 2%	Current Sink Modes: +/- 1% Linearity: +/- 1%
Operating Temp/RH	32 to 120°F (0 to 48,9°C)/10 to 95% non condensing		
Product Dimensions	(L) 3.25" (W) 3.42" (H) 1.50"		

Ordering

Please select AIM1 as an Interface Device (A).

A Interface Device

AIM1 (One to One Analog Isolation Module)

Build your part number

After completing (A) from the above table, fill in the Part Number Table below. An example part number is offered.

A

EXAMPLE: AIM1

