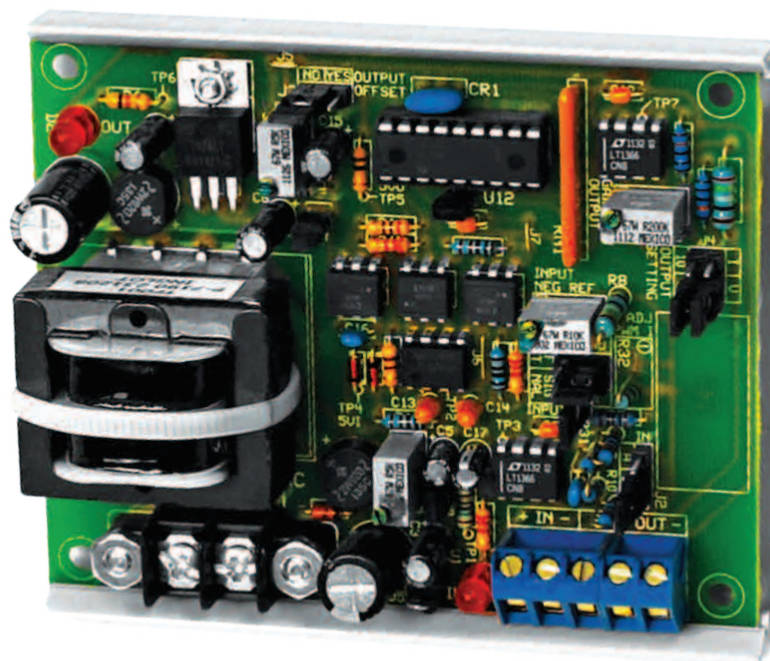




AIM3

Input

Analog

Output

Analog

Analog Isolation Rescaling Module for Variable Frequency Drives

The AIM3 will accept a current or voltage input and deliver a single voltage or sourcing current output. Designed to accept a feedback signal from a variable speed drive and direct it back to the controller (BAS) for monitoring motor speed, it can be modified for signal isolation between the output of the BAS system and the VFD drive controller as well. Isolation is provided between the power supply, signal input, and signal output circuits. The AIM3 must be powered by 120 VAC.

The AIM3 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	120 VAC +/-10%
Max Current Consumption	50 mA
Signal Input (Current Range)	0-20 mA DC, 4-20 mA DC (Jumper Selectable)
Signal Input (Impedance)	249Ω ± 1%
Signal Input (Voltage Range)	0-5 VDC or 1-5 VDC
Signal Input (Impedance)	>5,000,000Ω
Signal Input (Voltage Range)	0-10 VDC or 2-10 VDC
Signal Input (Impedance)	20,000Ω
Signal Output (Current Ranges/Max Impedance)	0 to 20 mA DC or 4 to 20 mA DC/750Ω
Signal Output (Voltage Ranges/Minimum Impedance)	0 to 5 VDC or 1 to 5 VDC/500Ω
Signal Output (Voltage Ranges/Minimum Impedance)	0 to 10 VDC, 2 to 10 VDC/1,000Ω
Signal Output (Accuracy) (Except 2 to 10 VDC)	Less than or equal to 1% of output span
Signal Output (Accuracy) (2 to 10 VDC Range)	Less than or equal to 1.5% of output span
Signal Output (Full Scale Resolution)	256 steps without offset, 205 steps with offset isolation
Isolation	Capable of withstanding 500 VAC (rms) for a minimum of 1 minute from power to input, input to output, and output to power.
Operating Temp/RH	32 to 120°F (0 to 48.9°C)/10 to 95% non condensing
Product Dimensions	(L) 3.25" (W) 4.00" (H) 1.25"

ORDERING

Please select AIM3 as an Interface Device (A).

A Interface Device

☐ **AIM3** (Analog Isolation Rescaling Module for Variable Frequency Drives)

BUILD PART NUMBER

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

A

EXAMPLE: AIM3

