



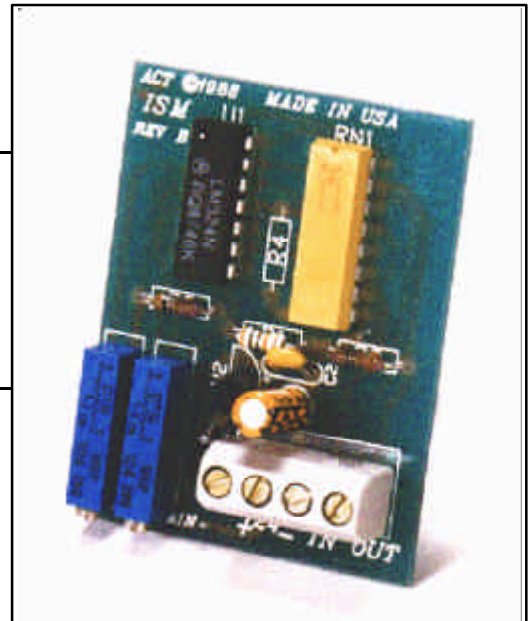
FEATURES

- Small voltage output spans
- Compact and Economical
- Mounts in Snap Track or ENC1 metal enclosure
- Factory calibrated to your specifications

APPLICATIONS

- Voltage Conversion to .050 to 5 VDC Range
- Rescale standard sensor outputs to popular Building Automation System inputs

PRODUCT DESCRIPTION



The ISM3 is an operational amplifier circuit that can offset, amplify or reduce the span of an analog voltage signal. The ISM3 accepts a 0 to 5 volt signal and can rescale the output signal to

a range of .050 to 5 volts DC. The ISM3 is also capable of accepting an analog voltage input and converting it to a narrow signal span within the .050 to 5 VDC range.

ORDERING INFORMATION

Specify: **ISM3** _____ **Input** and _____ **Output** with _____ **ENC1 Enclosure?**
(Factory calibration required)

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage	Regulated 15 VDC +/- 10%
Supply Current	9.5 mA maximum

Input

Voltage Range	0 to 5 VDC
Input Impedance	>10 teraohms

Output

Voltage Range	.050 to 5 VDC
Gain	1 to 5 times Input Span
Signal Attenuation	50%, others optional
Signal Offset	+/- 0 to 4 volts
Accuracy	.16%

Mechanical Requirements

Connections

Wire Size

Up to one 14 gauge maximum per connection

Terminal type

Captive screw, moving clamp design in nickel plated copper alloy

Dimensions

2.185" L x 1.67" W x .6" H

Weight

.75 oz

Mounting

2.035" length of 8TK snaptrack (ENC1 optional)

Environmental Requirements

Operating Temperature

32 to 120 deg F

Storage Temperature

0 to 150 deg F

Operating Humidity

10% to 95% non-condensing

Specifications may change without notice to improve product performance or reliability.

Call for Other Calibration Ranges and Versions.

If you have a different application or need, please call 1-800-886-2281 and discuss your needs with our Sales Engineers.