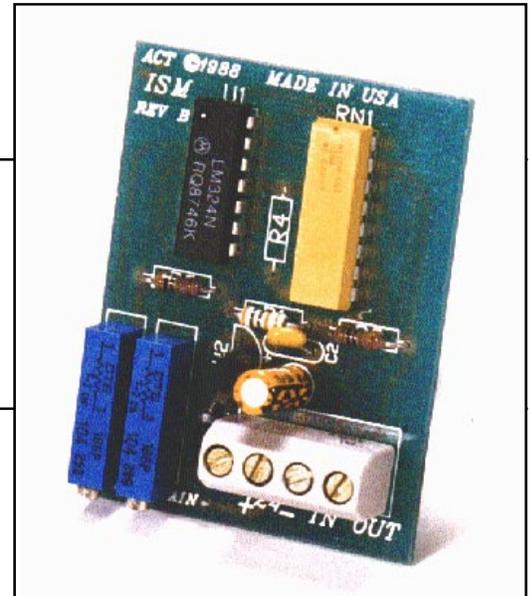


## FEATURES

- 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.**