

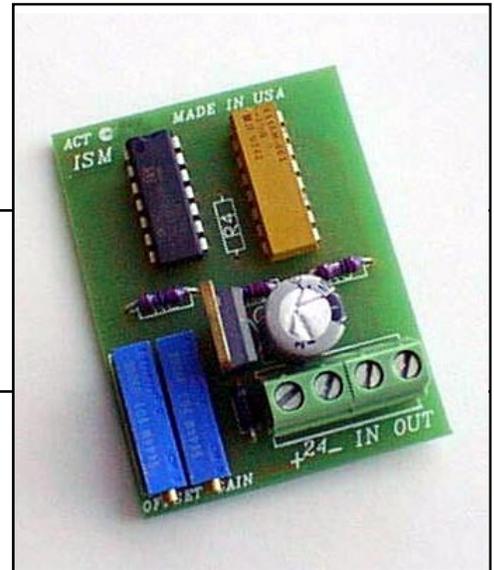
FEATURES

- Adjustable Gain and Offset
- Compact and Economical
- Mounts in Snap Track or ENC1 Enclosure

APPLICATIONS

- Current/Voltage Signal Conversion to a range between 0.05 to 24 VDC
- Control of Dimmable Electronic Ballasts

PRODUCT DESCRIPTION



The ISM4 is an operational amplifier circuit that can offset and amplify an analog voltage or current signal. The ISM4 rescales an analog voltage or current input signal to an output range of

0.05 to 24 VDC. The ISM4 is also capable of accepting analog voltage or current inputs and converting them to narrow signal spans within the 0.05-24 VDC range

ORDERING INFORMATION

Specify: **ISM4** _____ **Input** and _____ **Output** with _____ **ENC1 Enclosure?**
 (Factory calibration required)

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply Voltage 29.5 -35.0 VDC, 9.5 mA maximum
 24.7 -28.5 VAC, 9.5 mA maximum

Input

Voltage Range 0 to 10 VDC or 0 to 5 VDC
 Current 0-20 mA (with addition of resistor -supplied)
 Impedance 200,000 ohms

Output

Voltage Range Maximum of 0.05 to 24 VDC +/-1.0%
 Minimum of 0.05 to 5.0 VDC +/-1.0%
 Impedance 1000 ohms
 Gain 1 to 4.8 times Input Span
 Signal Attenuation 50%, others optional
 Signal Offset - 5.0 to 13.5 volts, +/-1.0% (Note: Use of a negative offset will correspondingly reduce the maximum output)
 Accuracy 1%

Mechanical Requirements

Connections

Wire Size	Up to one 14 gauge maximum
Terminal type	4 - 90° Captive screw, moving clamp terminations in nickel plated copper alloy

Dimensions

1.675" L x 2.185" W x 0.9" H

Weight

.75 oz

Mounting

Furnished with 1.675" length of 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

ISM4 Specifications may change without notice to improve product performance or reliability.

Call for Other Calibration Ranges and Versions.