

FEATURES

- Field Adjustable Input Ranges
- Splits Input into two 4-20 mA Outputs
- Plug-in Terminal Blocks
- LED Power Indicator
- Compact and Economical
- Mounts in Snap Track or ENC1 Enclosure

APPLICATIONS

- Signal Loop Monitoring
- Resistance to Current Conversion
- Voltage to Current Conversion
- Shrink or Expand Sensor Ranges
- Increase Analog Input Resolution
- Reverse Signals
- Adapt Non-compatible Signals



PRODUCT DESCRIPTION

The ARM2 will accept a single analog voltage or current signal and split that signal into two DC non-isolated current sourcing outputs that can be re-scaled.

Its primary application is as a signal splitter. The outputs are always scaled identically and will always track each other.

The ARM2 can be powered by a 24 VAC or VDC source. The ARM2 has an adjustable gain and offset and a regulated 23 VDC output power supply to power sensors.

By using voltage divider applications, the ARM2 can accept a resistance input.

ORDERING INFORMATION

Specify: **ARM2** with _____ DRC Kit? or _____ ENC1 Enclosure?

SPECIFICATIONS

Electrical Requirements

Power Supply

Supply voltage	22.8 to 30 VDC
	21.6 to 26.4 VAC
Supply current	100 mA maximum
Power Supply Output (for user)	23 VDC nominal @ 24 VAC Power Supply
	30 mA maximum

Input

Voltage Range	0 to 35 VDC
Impedance	1,000,000 ohms nominal
Current Range	0 to 44 mA
Impedance	249 ohms +/- 1%

Output

Current Range	0 to 20 mA
Impedance	750 ohms maximum
Accuracy	Less than or equal to 1% of output span over full temperature range when using 1:1 input to output. Accuracy is calibration dependent over full temperature range
Signal Gain	1 to 20 times (field adjustable)
Signal Attenuation	0-100% (field adjustable)
Signal Offset	+/-0.25 to 20 volts (field adjustable)
Signal Inversion (Reverse Acting)	20 to 0 mA (field adjustable)

Mechanical Requirements

Connections

Wire Size	Up to one 14 AWG wire maximum
Terminal Type	90° plug-in terminal blocks with 5mm pin spacing

Dimensions

3.69" L x 2.171" W x 1.0" H

Weight

2.0 oz

Mounting

Furnished with 3.25" x 2.25" wide snap track (ENC1 optional)

Environmental Requirements

Operating Temperature	32 to 120 deg F
Storage Temperature	-20 to 150 deg F
Operating Humidity	10% to 95% non-condensing

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