ARM2

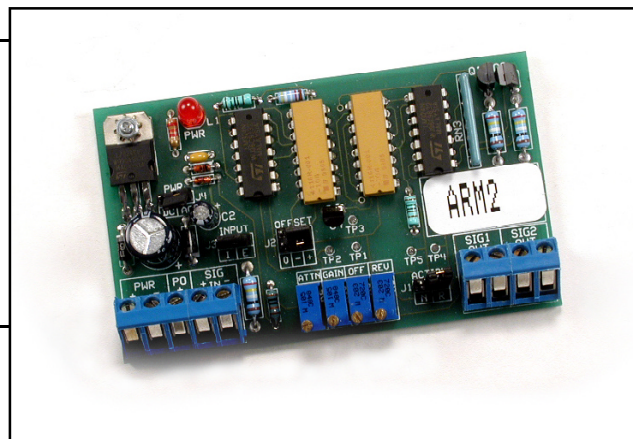*Analog Current or Voltage to Dual 4-20 mA Output*

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.

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.