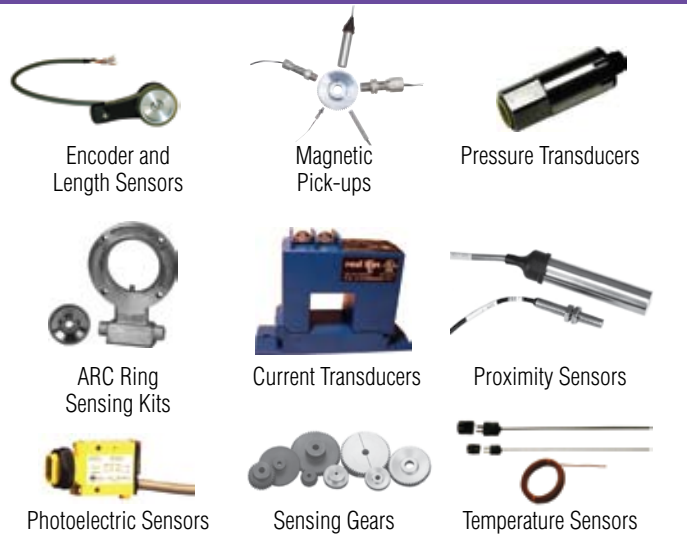




Complete your system with our large sensor selection

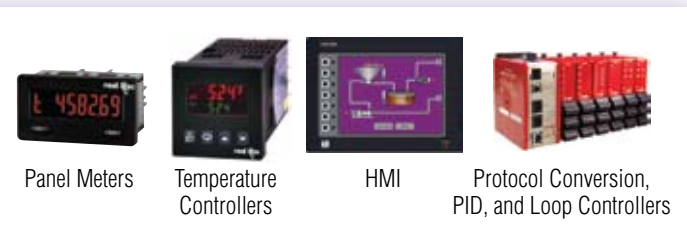


**Signal Conditioners**  
to fit all your needs.



**Red Lion Controls**  
20 Willow Springs Circle  
York, PA 17406  
ph: (717) 767-6511  
fax: (717) 764-0839  
www.redlion.net

Integrate seamlessly with other Red Lion products



# signal conditioning made universally easier.



- Universal modules
- Detachable display module
- Universal input
- Universal AC or DC power
- No DIP switches
- Easy configuration transfer

it's a snap.



## Signal Conditioners from the brand you trust.

Red Lion brings excellence and value not just to your panel, but to your DIN rail too. Our complete line of Signal Conditioners improve accuracy and performance in a variety of applications including:

- Current
- Voltage
- Process
- Temperature
- Frequency
- Communication
- Plus 24 volt DIN rail mount power supplies in 1, 2 and 4 amp models

[www.redlion.net](http://www.redlion.net)



**New Universal Models offer advanced features and detachable programming/display.** Introducing our most advanced Signal Conditioner models—the new **IAMS Series** Universal Signal Conditioners:

- Three models available: Analog Output, Setpoint Control, Analog/Setpoint
- Detachable LCD programming/display module makes programming easy
- Easily transfer configuration from one module to the next
- Removable terminal strips
- Universal input including RTD, TC, Ohm, potentiometer, mA and VDC
- Universal power supply: 21.6 to 253 VAC or 19.2 to 300 VDC
- Output control including retransmitted analog and/or dual setpoint control
- No fussing with tiny DIP switches or PC tethering
- Multi-lingual display with guided configuration in 7 on-board languages
- Reduce module inventories, simplify setup with push button programming
- Access advanced functions and data through the working display
- Over 100 input to output combinations

## Current, Voltage and Process



**2 Models Available**  
**IAMA:** Universal  
**IAMA(6):** Universal

3-Way Isolation

Switch-selectable Input and Outputs

I/O Combinations –  
**IAMA:** 100  
**IAMA(6):** 35

DC Powered

**IAMA:** UL Recognized  
**IAMA(6):** UL Process Control, Class 1 Div 2

**IAMA:** 3.1" x 1.1" x 4.2"  
**IAMA(6):** 3.7" x 0.24" x 4.0"

## Temperature



**2 Models Available**  
**IRMA:** RTD Inputs  
**ITMA:** TC Inputs

2-Way Isolation

Switch-selectable Input with 4 to 20 mA Output

Sensor Break Detection

DC or Loop Powered

N/A

AC Model: 3.1" x 0.9" x 3.3"  
 DC Model: 3.1" x 1.0" x 4.2"

## Frequency



**3 Models Available**  
**IFMA:** Freq to Analog  
**AFCM:** Analog to Freq  
**IFMR:** Speed Switch

**IFMA/AFCM:**  
 3-Way Isolation

Switch-selectable Input and Outputs

**IFMA:** DC mA and V  
**IFMR:** Over, Under and Zero-speed Detection

**IFMA/IFMR:** AC or DC Powered  
**AFCM:** DC Powered

UL Recognized

**IFMA/IFMR:** 3.1" x 1.1" x 4.2"  
**AFCM:** 3.7" x 0.24" x 4.0"

## Communication



**3 Models Available**  
**ICM4:** RS-232/RS-485  
**ICM5:** RS-232/RS-485  
**ICM8:** Serial/Ethernet

**ICM4:** Non-isolated  
**ICM5:** 3-Way Isolation

**ICM4/ICM5:** Switch-selectable Input or Output

**ICM8:** Protocol Conversion set up through Crimson® Software (Red Lion products only)

DC Powered

**ICM4/ICM5:** UL Recognized

**ICM4:** 3.4" x 1.0" x 3.5"  
**ICM5:** 3.67" x 1.0" x 3.1"  
**ICM8:** 4.2" x 1.8" x 5.3"