

Product End of Life Notice

Rev 6/2019

Signal Conditioners



Introduction

In 1996, Red Lion expanded the product offering of sensors and panel meters to include signal conditioners. The first models were plug-in units that required a socket to connect. Over the years the units were converted to DIN rail mount and additional models were added to address both analog and frequency applications. That original design served us well, but now is the time to update the technology, packaging and construction, so we are introducing a completely new line of Signal Conditioners. With the introduction of the new models, we will begin to phase out the older models. Please review the EOL document as not all models are being discontinued at this time.

This document describes the alternatives available and provides information on how their features compare with one another.

Timing

Red Lion Controls intends to honor the standard warranty obligation for these products when ordered and delivered in accordance with the following transition schedule:



June 2019

- Announcement to customers
- Red Lion begins accepting non-cancellable, non-returnable last time buy orders
- Orders may be scheduled for delivery between September 2019 and December 31, 2019

September 30, 2019

- General availability of Signal Conditioners in this EOL ceases
- Acceptance of last time buy orders concludes

December 31, 2019

- Shipment of Signal Conditioners in this EOL stops

*Dates may be subject to change depending on product sales

Why is this transition taking place?

The new Signal Conditioners are designed with new and improved features that meet or exceed those available on the older models. Improvements to the new product include size reductions, universal capability, communications and much more.

What happens to my current investment in older Signal Conditioners?

Maintaining excellent compatibility for easy and cost-effective transition is an important design criterion when designing next generation products. Red Lion Controls recommends the new Signal Conditioners as a designated replacement for the older models. The new models provides up-to-date technology and improved space saving packaging while still maintaining functional compatibility. It is important to review the new products as some of the updates provide some differentiation from the older models.

Please see Appendix A for a detailed comparison of the two products.

Appendix A

Comparison Signal Conditioners



AFCM0000



AFCM0001

Analog to Frequency Converter

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

AFCM0000 to AFCM0001

Analog to Frequency Converter		
Part Number	AFCM0000	AFCM0001
Input	Process Current and Process Voltage	RTDs, TCs, Process Current, Process Voltage, and Resistance
Output	0 to 10 KHz	0 to 25KHz
Output Type	NPN OC	NPN OC, PNP OC and Logic
Set-up	DIP Switches	Requires a Programming Module Kit, PGMMOD02
Isolation	3-Way Power/Signal/Output	3-Way Power/Signal/Output
Power	19.2 to 30 VDC	24 to 250 VDC, 24 to 230 VAC
Width	6.2 mm	23.5 mm
Agency Approvals	CE, UL Recognized	CE, UL Listed, UL Hazardous, FM Approval
List Price	\$245	\$255



IAMS0010



IAMS0020

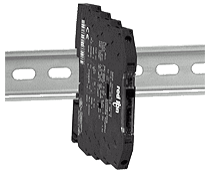
Universal Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

IAMS0001 to IAMS0002, IAMS0010 to IAMS0020, IAMS0011 to IAMS0022

Universal Signal Conditioner		
Part Numbers	IAMS0001 (Converter)	IAMS0002 (Converter)
	IAMS0010 (Setpoints)	IAMS0020 (Setpoints)
	IAMS0011 (Converter and Setpoints)	IAMS0022 (Converter and Setpoints)
Input	RTDs, TCs, Process Current, Process Voltage, and Resistance	RTDs, TCs, Process Current, Process Voltage, and Resistance
Output	0/4 to 20 mA	0/4 to 20 mA
Setpoint Output	Dual Relay (Model Specific)	Dual Relay (Model Specific)
Set-up*	Requires a Programming Module, PGMMOD00	Requires a Programming Module, PGMMOD00
Isolation	3-Way Power/Signal/Output	3-Way Power/Signal/Output
Power	19.2 to 300 VDC, 21.6 to 253 VAC	19.2 to 300 VDC, 21.6 to 253 VAC
Width	23.5 mm	23.5 mm
Agency Approvals	CE, UL Listed, UL Hazardous, FM Approval	CE, UL Listed, UL Hazardous, FM Approval
List Price	IAMS0001 - \$233	IAMS0002 - \$233
	IAMS0010 - \$214	IAMS0020 - \$214
	IAMS0011 - \$251	IAMS0022 - \$251

*Note – Unit programming is completely different between the two models.



IAMA0006



IAMA0001

Universal Process Current and Voltage Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

IAMA0006 to IAMA0001

Universal Process Current and Voltage Signal Conditioner		
Part Numbers	IAMA0006	IAMA0001
Input	Process Current and Process Voltage	RTDs, TCs, Process Current, Process Voltage, and Resistance
Output	Process Current and Process Voltage	Process Current and Process Voltage
Set-up	DIP Switch	Requires a Programming Module Kit, PGMMODo2
Isolation	3-Way Power/Signal/Output	3-Way Power/Signal/Output
Power	19.2 to 30 VDC	16.8 to 31.2 V
Width	6.2 mm	6.2 mm
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, ATEX, IECEx
List Price	IAMA0006 - \$312	IAMA0001 - \$220



IRMA3035



IAMA0001

RTD Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

IRMA3035 to IAMA0001

RTD Signal Conditioner		
Part Numbers	IRMA3035	IAMA0001
Input	RTDs	RTDs, TCs, Process Current, Process Voltage, and Resistance
Output	Process Current and Process Voltage	Process Current and Process Voltage
Set-up	DIP Switch	Requires a Programming Module Kit, PGMMODo2
Isolation	3-Way Power/Signal/Output	3-Way Power/Signal/Output
Power	9 to 32 VDC	16.8 to 31.2 V
Width	27.5 mm	6.2 mm
Agency Approvals	CE	CE, UL Listed, ATEX, IECEX
List Price	IRMA3035 - \$230	AIMI0001 - \$220



ITMA3035



IAMA0001

Thermocouple Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

ITMA3035 to IAMA0001

Thermocouple Signal Conditioner		
Part Numbers	ITMA3035	IAMA0001
Input	Thermocouples	RTDs, TCs, Process Current, Process Voltage, and Resistance
Output	Process Current and Process Voltage	Process Current and Process Voltage
Set-up	DIP Switch	Requires a Programming Module Kit, PGMMODo2
Isolation	3-Way Power/Signal/Output	3-Way Power/Signal/Output
Power	9 to 32 VDC	16.8 to 31.2 V
Width	27.5 mm	6.2 mm
Agency Approvals	CE	CE, UL Listed, ATEX, IECEx
List Price	ITMA3035 - \$230	AIMI0001 - \$220



IRMA2003



IRMA0001

RTD Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

IRMA2003 to IRMA0001

Thermocouple Signal Conditioner		
Part Numbers	IRMA2003	IRMA0001
Input	RTDs	RTDs
Output	0(4) to 20 mA	0(4) to 20 mA
Set-up	DIP Switch	DIP Switch
Isolation	2-Way Input/Output and Power	2-Way Input/Output and Power
Power	Loop Powered	Loop Powered
Width	22.5 mm	6.2 mm
Agency Approvals	CE	CE, UL Listed
List Price	IRMA2003- \$230	IRMA0001 - \$230



ITMA2003



ITMA0001

Thermocouple Signal Conditioner

The new product while offering some significant advantages is not a direct replacement for the older model. Please use the chart below to gain an understanding of the differences.

ITMA3035 to IAMA0001

Thermocouple Signal Conditioner		
Part Numbers	ITMA2003	ITMA0001
Input	Thermocouples	Thermocouples
Output	0(4) to 20 mA	0(4) to 20 mA
Set-up	DIP Switch	DIP Switch
Isolation	2-Way Input/Output and Power	2-Way Input/Output and Power
Power	Loop Powered	Loop Powered
Width	22.5 mm	6.2 mm
Agency Approvals	CE	CE, UL Listed
List Price	ITMA2003 - \$230	ITMA0001 - \$250

All listed are Red Lion standard list price at time of publication, in USD. Pricing is for illustrative purposes only and does not constitute a quote.