RemoteTRAK I/O Modules

Introduction

In 1998 Sixnet expanded its I/O module product line by adding the RemoteTRAK I/O modules. Since then Sixnet/Red Lion has released the EtherTRAK-2 and E3 I/O modules which have many of the same features as the RemoteTRAK I/O modules. EtherTRAK-2 and E3 are now the preferred choice of I/O modules. We will now completely phase out the RemoteTRAK I/O modules. Please review the EOL document as not all models are being discontinued at his time.

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

Please note some RemoteTRAK I/O Modules will not be available for last time buy.

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:

September 2019 Announcement of Product Discontinuation	**October 31, 2019*** Acceptance of Last Time Buy Orders Ceases	**December 31, 2019*** Final Shipments of RemoteTRAK I/O Modules included in this EOL

September 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

October 31, 2019

- General availability of RemoteTRAK I/O Modules in this EOL ceases
- Acceptance of last time buy orders concludes

December 31, 2019

- Shipment of RemoteTRAK I/O Modules in this EOL stops

*Dates may be subject to change depending on product sales

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Why is this announcement taking place?

Due to lack of demand the RemoteTRAK modules are no longer economical to manufacture.

What happens to my current investment in RemoteTRAK I/O Modules?

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 EtherTRAK-2 and E3 I/O modules as a designated replacement for the older models. The new models provide up-to-date technology and improved space saving packaging while still maintaining functional compatibility in most cases. It is important to review the new products as some of the updates provide some differentiation from the older models. Please see support.redlion.net for more information on how replace the models affected by this EOL.

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

What is the complete list of RemoteTRAK I/O Modules that are affected by this announcement?

Models affected by EOL	Recommended Replacement	Last Time Buy
RM-232-485-4U	SER-485-IC	October 31, 2019
RM-8DI2-F	E2-16DI24-D/E3-16DI24-1	October 31, 2019
RM-8DI2-U	E2-16DI24-D/E3-16DI24-1	October 31, 2019
RM-8AI2-F	E2-32AI20M-D/E3-32AI20M-1	October 31, 2019
RM-16AI2-H	E2-32AI20M-D/E3-32AI20M-1	October 31, 2019
RM-8INS-U	E2-16ISOTC-D and E2-16ISO20M-D or E3-16ISOTC-1 and E3-16ISO20M-1	October 31, 2019
RM-RTU-8440-F	E2-MIX24880-D/E3-MIX24880-1	October 31, 2019
RM-16DI2-H	E2-32DI24-D/E3-32DI24-1	None.
RM-8DO2-F	E2-16DO24-D/E3-16DO24-1	None.
RM-16DO2-H	E2-16DO24-D/E3-16DO24-1	None.
RM-8AO2-F	E2-8AO20M-D/E3-8AO20M-1	None.
RM-4AO2-F	E2-8AO20M-D/E3-8AO20M-1	None
RM-4DI2-4AI2-U	E2-MIX24880-D/E3-MIX24880-1	None.
RM-4DI2-4DO2-U	E2-MIX24880-D/E3-MIX24880-1	None.

Appendix A

Comparison Devices

RM-232-485-4U   SER-485-IC

RS232 to RS485 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.

RM-232-485-4U to SER-485-IC

RS232 to RS485 Converter		
Part Number	RM-232-485-4U	SER-485-IC
Set-up	NA	DIP Switches
Isolation	1200V RMS	3-Way 2000V Optical
Power	9 to 30 VDC	10-48 VDC
Width	120.7 mm	32 mm
Operating Temperature	-30 to 70 °C	-40 to 80 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous
List Price	$478	$291

RM-8DI2-U/F   E2-16DI24-D   E3-16DI24-1

Discrete input module

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.

RM-8DI2-U/F to E2-16DI24-D/E3-16DI24-1

Discrete input module		
Part Number	RM-8DI2-U/F	E2-16DI24-D/E3-16DI24-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8	16
Channnel-to-Channel Isolation	500V	150V
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$381	$663/$683

| RM-8AI2-F | E2-32AI20M-D | E3-32AO20M-1 |

Analog input module

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.

RM-8AI2-F to E2-32AI20M-D/E3-32AI20M-1

Analog input module		
Part Number	RM-8AI2-F	E2-32AI20M-D/E3-32AI20M-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8	32
Accuracy and scan time	.10% and 500ms	.02% and configurable (880ms to 1ms)
Input protection	Resistor shunts	Self-resetting fuse
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$571	$775/$1025

RM-16AI2-F   E2-32AI20M-D   E3-32AI20M-1

Analog input module

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.

RM-8AI2-F to E2-32AI20M-D/E3-32AI20M-1

Analog input module		
Part Number	RM-16AI2-F	E2-32AI20M-D/E3-32AI20M-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	16	32
Accuracy and scan time	.10% and 100ms	.02% and configurable (880ms to 1ms)
Input protection	Resistor shunts	Self-resetting fuse
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$809	$999/$1196

| RM-8INS-U | E2-16ISOTC-D and E2-16ISO20M-D | E3-16ISOTC-1 and E3-16ISO20M-1 |

Analog input module

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.

RM-8INS-U to E2-16ISOTC-D and E2-16ISO20M-D or E3-16ISOTC-1 and E3-16ISO20M-1

Analog input module			
Part Number	RM-8INS-U	E2-16ISOTC-D/E3-16ISOTC-1	E2-16ISO20M-D/E3-16ISO20M-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB	2 Ethernet, 1 RS485, 1 USB
# of chans	8	16	16
Accuracy and scan time	.02% and Configurable (1600ms to 400ms)	.02% and configurable (3200ms to 8ms)	.02% and configurable (2000ms to 336ms)
Input protection	Resistor shunts	Self-resetting fuse	Self-resetting fuse
RS485 isolation	1200VRMS	NA	NA
Width	120.7 mm	88.77 mm/142.2 mm	88.77 mm/142.2 mm
Operating Temp	-30 to 70 °C	-40 to 75 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine	CE, UL Listed, UL Hazardous, Marine
List Price	$893	$1179/$1196	$1179/$1196

RM-RTU-8440-F	E2-MIX24880-D	E3-MIX24880-1

Combo I/O module

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.

RM-RTU-8440-F to E2-MIX24880-D/E3-MIX24880-1

Combo I/O module		
Part Number	RM-RTU-8440-F	E2-MIX24880-D/E3-MIX24880-1
Ports	RS232/RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8DI, 4DO, 4AI	24DI, 8DO, 8AI
RS485 isolation	1200VRMS	NA
Power	10-30 VDC	10-30 VDC
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-40 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$655	$842/$888

RM-16DI2-H   E2-32DI24-D   E3-32DI24-1

Discrete input module

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.

RM-16DI2-H to E2-32DI24-D/E3-32DI24-1

Discrete input module		
Part Number	RM-16DI2-H	E2-32DI24-D/E3-32DI24-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8	32
RS485 isolation	1200VRMS	NA
Power	10-30 VDC	10-30 VDC
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$447	$551/$683

RM-16DO2-F   E2-16DO24-D   E3-16DO24-1

Discrete output module

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.

RM-16DO2-F to E2-16DO24-D/E3-16DO24-1

Discrete output module		
Part Number	RM-16DO2-F	E2-16DO24-D/E3-16DO24-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	16	16
Max output	10A	16A
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$447	$551/$683

RM-8DO2-F   E2-16DO24-D   E3-16DO24-1

Discrete output module

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.

RM-8DO2-F to E2-16DO24-D/E3-16DO24-1

Discrete output module		
Part Number	RM-8DO2-F	E2-16DO24-D/E3-16DO24-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8	16
Max output	8A	16A
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$471	$551/$683

RM-8AO2-F/RM-4AO2-F   E2-8AO20M-D   E3-8AO20M-1

Analog output module

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.

RM-8AO2-F/RM-4AO2-F to E2-8AO20m-D/E3-8AO20m-1

Analog output module		
Part Number	RM-8AO2-F/RM-4AO2-F	E2-8AO20M-D/E3-8AO20M-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	8/4	8
Accuracy	.03%	.02%
RS485 isolation	1200VRMS	NA
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$809/$571	$551/$641

RM-4DI2-4AI2-U   E2-MIX24880-D   E3-MIX24880-1

Combo I/O module

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.

RM-4DI-4AI2-U to E2-MIX24880-D/E3-MIX24880-1

Combo I/O module		
Part Number	RM-4DI2-4AI2-U	E2-MIX24880-D/E3-MIX24880-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	4DI, 4AI	24DI, 8DO, 8AI
RS485 isolation	1200VRMS	NA
Power	10-30 VDC	10-30 VDC
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$571	$842/$888

RM-4DI2-4DO2-U   E2-MIX24880-D   E3-MIX24880-1

Combo I/O module

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.

RM-4DI2-4DO2-U to E2-MIX24880-D/E3-MIX24880-1

Combo I/O module		
Part Number	RM-4DI2-4DO2-U	E2-MIX24880-D/E3-MIX24880-1
Ports	RS485	2 Ethernet, 1 RS485, 1 USB
Number of channels	4DI, 4DO	24DI, 8DO, 8AI
RS485 isolation	1200VRMS	NA
Power	10-30 VDC	10-30 VDC
Width	120.7 mm	88.77 mm/142.2 mm
Operating Temperature	-30 to 70 °C	-40 to 75 °C
Agency Approvals	CE, UL Listed, UL Hazardous	CE, UL Listed, UL Hazardous, Marine
List Price	$447	$842/$888