

# ARIES®-SLX Fiber Optic Converter Card Module

## FEATURES

- One unit supports single and dual-channel connections
- Dual-channel connection offers a redundant communications path
- Ideal for high security, explosive, flammable or corrosive environments
- Distances of up to 1 mile / 1.6 km between nodes
- 62.5/125 multi-mode duplex fiber optic media
- UL Listed
- FM Approved

## DESCRIPTION

The Fiber-Optic Converter Card (OCC) allows networked ARIES®-SLX and legacy ARIES® Control Units to be interconnected using 62.5/125 multi-mode duplex fiber-optic media.

The numerous advantages of using optical fiber instead of copper wire to connect control unit network nodes include:

- Longer distances between nodes (approximately 1 mile/1.6 km)
- Immune to most electromagnetic interference, such as lightning.
- Safe for use near high voltage electrical equipment and power lines, or between areas with different earth potentials.
- Ideal for environments subject to electromagnetic interference restrictions
- No possibility of spark from a broken fiber, so there is no fire hazard or danger of electrical shock.
- Lightweight and flexible.

## PHYSICAL

One OCC is required to terminate each end of a fiber-optic communications-channel(s) segment. Each OCC connects to a Network Interface Card (NIC) which passes communications to the control units. The networking structure supports a mixture of fiber-optic and twisted-wire interconnections between networked control units.

- For additional information, refer to the ARIES®-SLX Fire Alarm/Suppression Control Unit Installation, Operation, and Maintenance Manual, P/N 06-237491-001.



## SPECIFICATIONS

<b>Part Number:</b>	76-600000-006
<b>Weight:</b>	3.3 lb. / 1.5 kg
<b>Color:</b>	Red
<b>Input Voltage:</b>	24 Vdc Nominal, 18 Vdc Min., 28 Vdc Max.
	<b>Note:</b> Must be connected to Control Panel AUX 24 Vdc
<b>Input Current:</b>	200 mA max.
<b>Electrical Connections:</b>	UL Recognized Terminal Blocks for wire size 26 AWG - 12 AWG
<b>Fiber Optic Connections:</b>	Type 'ST'
<b>Data Ports:</b>	EIA/TIA-485
<b>Baud Rate:</b>	9600 Baud
<b>Optical Link Distance:</b>	1 mile / 1.6 km (with no more than 4 dB/km cable attenuation)
<b>Temperature Range:</b>	32°F - 122°F (0°C - 50°C)
<b>Humidity Range:</b>	0% - 93% RH, non-condensing

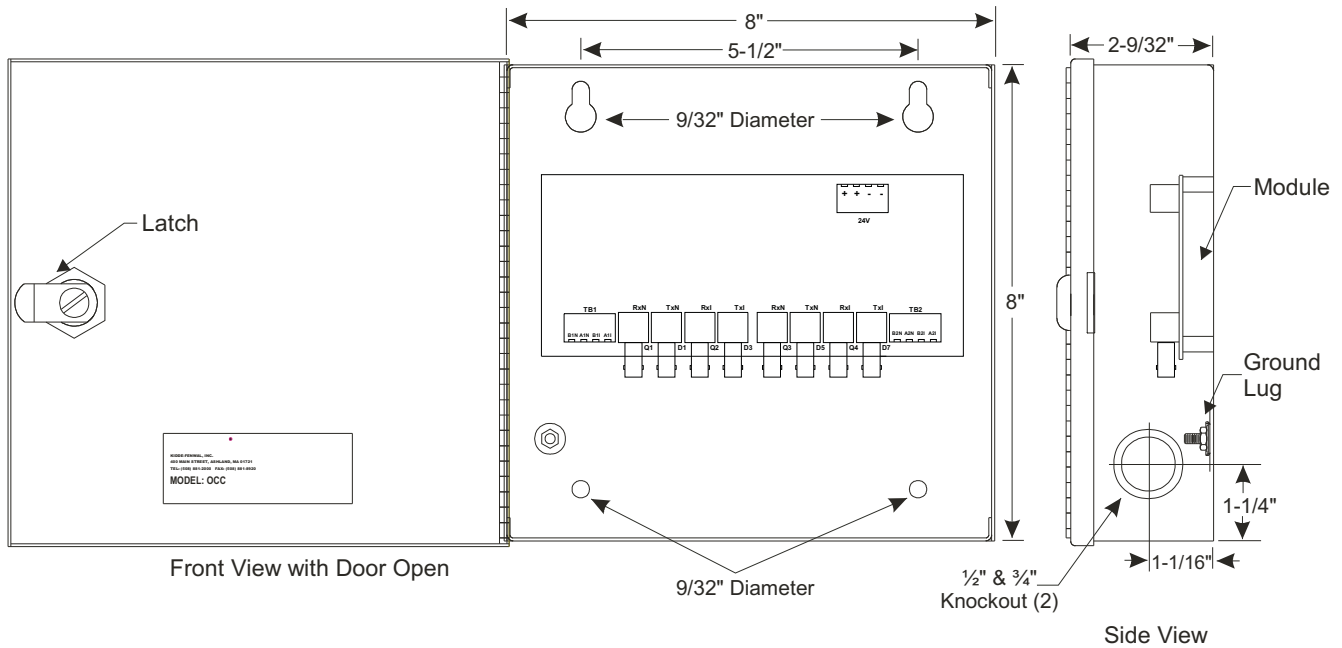


Figure 1. Fiber-Optic Converter Card in Enclosure

**ORDERING INFORMATION**

Part Number	Description
76-600000-006	ARIES®-SLX Fiber Optic Converter Card with Enclosure for use with ARIES®-SLX control unit and legacy ARIES® control units

**EXPORT INFORMATION (USA)**

Jurisdiction: EAR

Classification: EAR99

This document contains technical data subject to the EAR.

ARIES is a registered trademark of Kidde-Fenwal, Inc., or its parents, subsidiaries or affiliates.

This literature is provided for informational purposes only. KIDDE-FENWAL, INC. believes this data to be accurate, but it is published and presented without any guarantee or warranty whatsoever. KIDDE-FENWAL, INC. assumes no responsibility for the product's suitability for a particular application. The fire suppression system design, installation, maintenance, service and troubleshooting must be performed by trained, authorized Kidde Fire Systems distributors for the product to work correctly. If you need more information on this product, or if you have a particular problem or question, contact: KIDDE-FENWAL, INC., Ashland, MA 01721 USA, Telephone: (508) 881-2000.

