# FiberLink®
# 6020A



**Alarm Sensing modules for use with the FiberLink 6000 & 6000A Card Cages**

**Installation and Operations Manual**

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## Introduction

The Model 6020A Alarm Sensing Module is a single position plug-in card for use with the model 6000 card-cage. When installed, the Alarm Sensing Module senses a fault condition from any FiberLink® alarm-equipped transmission card/module plugged into the card-cage. When a fault occurs, a visual, audible and remote indication from the unit informs the user of the fault condition.

All operating power for the Alarm Sensing Module is provided by the Model 6000 card-cage.

| Technical Specifications | |
|---|---|
| Number of positions occupied | 1 |
| Alarm Indications | Blinking Red LED, Pulsing piezo sounder, external SPDT Contact closures |
| External Contact Ratings | 0.4A 125 VAC 50/60 Hz, 2 Amperes 32 VDC resistive |
| Operating Temperature Range | -35  to +75 degrees, C |

## Installation and Operation

1. Plug the Alarm Sensing Module into any available position in the card cage.

2. Connect the external SPDT contacts to the externalalarm circuit. The external contacts are available on the three-position terminal block at the rear of the card. Connections to this terminal block are as follows:

   Position 1:    Normally closed for no alarm condition; opens for alarm
   Position 2:    Common
   Position 3:    Normally open for no alarm condition, closes for alarm

3. Under normal, "no alarm" conditions, only the power indicator LED will illuminate. When an alarm condition occurs, the red ALRM LED will begin to blink, the internal piezo sounder will beep and the external contacts will activate. A switch on the front panel of the unit allows you to turn off the sounder, but the ALRM LED will continue to blink and the external contacts will remain activated until the fault is corrected.

## Fault Conditions Sensed by the Alarm Sensing Module

The Alarm Sensing Module senses fault conditions from any FiberLink® alarm-equipped transmission card/module that is plugged into the same card-cage. Consult the specific User's Manual for each card/module for a detailed explanation of the fault or faults that can be sensed.

The Alarm Sensing Module will also signal the loss of operating power within the card-cage by means of the external contacts. When operating power is present, the SPDT contacts will be in the "normal" positions indicated in the previous section of this manual. When power is not present (including the condition when the power switch on the internal or external power supply is turned off), the contacts will switch to the alarm state. When this condition occurs, the ALRM LED and piezo sounder will indicate the loss of power only if a redundant Universal Switching Power Supply (model 6010) is installed in the card-cage and operating properly. If a redundant supply is not installed, the ALRM LED or piezo sounder will not operate as no power will be present.

# Proven Products, Unrivaled Service, and Great Support



- High performance plug and play products

- Stand alone and card cage versions available

- Solutions for most video, audio, and data formats

- Multimode and single mode versions

- Designed and manufactured in the USA

- Training and installation support available

- 24x7x365 technical support available

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