
**MODELS
6020, 6020A**

**ALARM SENSING MODULE
(For Use With Model 6000 Card Cage)**

USER'S MANUAL



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P/N: 120162 Rev. C

INTRODUCTION

The Model 6020 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 Pure Digital One Fiber™, Fiberlink® or Pure Digital 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 external alarm 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

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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 Pure Digital One Fiber™, Fiberlink® or Pure Digital 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.

WARRANTY

Communications Specialties Inc. warrants that for a period of three years after purchase by the Buyer, all fiber optic transmission systems will be free from defects in material and workmanship under normal use and service. A Return Material Authorization (RMA) number must be obtained from the company before any equipment is returned by the Buyer. All material must be shipped to Communications Specialties Inc. at the expense and risk of the Buyer.

Communications Specialties Inc. obligation under this warranty will be limited, at its option, to either the repair or replacement of defective units, including free materials and labor. In no event shall the company be responsible for any incidental or consequential damages or loss of profits or goodwill.

Communications Specialties Inc. shall not be obligated to replace or repair equipment that has been damaged by fire, war, acts of God, or similar causes, or equipment that has been serviced by unauthorized personnel, altered, improperly installed or abused.

RMA numbers and repairs can be obtained from:

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Internet: www.commspecial.com

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Please have your serial number available when contacting us.