WARRANTY

All fiber optic transmission systems, products and accessories manufactured by Liteway, Inc. and its subsidiaries are fully tested prior to shipment and are warranted against defective materials and workmanship for a period of five full years from the date of the original shipment. Should a problem occur, a Return Material Authorization Number (RMA) must be obtained from Liteway Inc. at (516) 931-2800 and the item returned to Liteway, Inc. 166 Haverford Road, Hicksville, NY 11801, USA, prepaid. Liteway Inc. will then, at its option repair or replace the defective item.

Liteway, Inc. maximum liability under this warranty is limited to the cost of the defective item only. No contingent liabilities of any kind are either assumed or implied.

Any items returned to Liteway, Inc. that have been misused, abused, damaged, modified, connected or adjusted in any way contrary to the instructions furnished by Liteway, Inc. or repaired by unauthorized personnel will not be covered by this warranty. Any non-warranty repairs required will be quoted at the current rate for such services.

Important Notices

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OPERATING INSTRUCTIONS

LuxLink®
Ethernet Signal Sensing Module

Model ALM-2001

The ALM-2001 consists of a small module used to sense the activity on a 10/100/1000Base-T Ethernet port and provides a visual and audible indication of an alarm condition that may occur when the port is not active
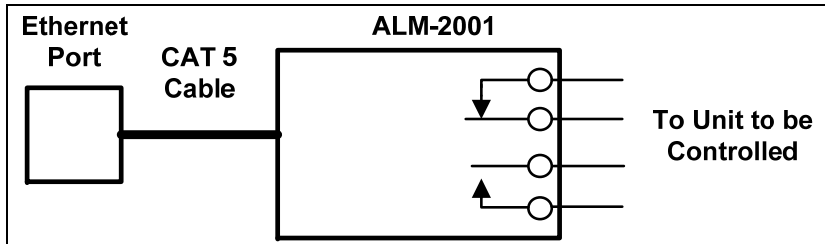
Technical Specifications

Compatibility	10/100/1000Base-T
Signal Connector	RJ-45 (CAT 5, CAT 6, etc)
Visual Indicator	Blinking Red LED
Audible Indicator:	Beeping Internal Piezo Sounder
Control	Beeper On/Off
Remote Alarm Contacts	Separate N/O and N/C
Output Contact Ratings	0.5 A @ 125 VAC (62.5VA) 1.0 A @ 24 VDC
Power Requirements	11-24 VAC/DC @ 100 mA
Temperature Range	-35º to +75ºC
Physical Size (mm)	5.0" (127) x 3.0" (76) x 1.0" (25.4)

All specifications are subject to change without prior notice.

LuxLink®
Fiber Optic Transmission Systems

www.LuxLink.com
USA 516-931-2800

Installation Instructions

The diagram below shows a typical installation of the ALM-2001 Ethernet Signal Sensing Module. Activation is accomplished via connections through the input RJ-45 modular connector. Note that CAT 5 or CAT 6 cable should be used depending on the specific requirements of the Ethernet port being monitored.

Indicator Lights

Indicator	Lights when
Pwr	Proper power is present.
Alrm	Blinks when an alarm condition exists.

Power Terminal Block Connections

Pin	Function
1	Alarm control bus signal
2	+11 to 24 DC or AC Input
3	AC or DC return (Common to Housing)

Note that pin 1 is normally not used.

Operation

When a loss of activity is detected on the port the unit is connected to the external contacts will switch, the red Alarm LED will blink and the internal sounder will beep. The sounder switch is used to turn the beeper on and off as desired. The state of the beeper will not effect the operation of the Alarm light or of the contact closures. Due to the fact that the unit has to sense the complete absence of any activity it may take several seconds or so for the alarm condition to be sensed or cleared.

Note that the ALM-2001 only detects activity on an RJ-45 port. It does not decode signals or detect any potential errors.

External Contact Connections

Pin	Description
1	Connected to Pos 2 during alarm condition
2	Connected to Pos 1 during alarm condition
3	Housing Ground
4	Connected to Pos 5 during normal condition
5	Connected to Pos 4 during normal condition

Note that the contact closures (Pins 1,2 and 3,4) are isolated from any other connections in the unit.

These units may be used stand-alone or in an RMP-series rack mounting plate.

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