

## ETHERNET SIGNAL SENSING MODULE

ALM-2001

### *For Detecting the Presence of 10/100/1000 Ethernet Signals*

The ALM-2001 is normally used to sense the activity on a 10/100/1000Base-T Ethernet port and provide an indication of an alarm condition when the port is not active. Actual data does not need to be present since the ALM-2001 only senses signal levels (including negotiation signals) that may be present. It does not decode the actual data itself. If no activity at all is detected a red indicator LED on the unit begins to blink and an audible beeper begins to sound. In addition, a set of separate normally open or normally closed contacts are activated which can be used for the operation of a remote device.

The ALM-2001 is connected to the Ethernet ports to be monitored by means of standard CAT 5 or CAT 6 cables and RJ-45 type connectors. The unit may be used in either a stand-alone mode or mounted to any of the RMP- series of rack mounting panels. An optional DIN rail adapter is also available.

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

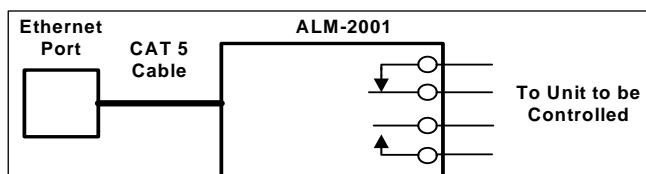


### Technical Specifications

### Important Features

Compatibility	10/100/1000Base-T Ethernet
Signal Connector	RJ-45 (CAT 5, CAT 6)
Visual Alarm Indicator	Blinking Red LED
Audible Indicator	Beeping Piezo Sounder
Controls*	Beeper On/Off
Remote Alarm Contacts	Normally open, Normally
closed Contact Ratings	125VAC 0.5A,
24VDC 1A	
Remote Contact Connector	Removable Terminal Block
Operating Temperature	-35° to +75°C
Humidity	0 to 95% non condensing
MTBF (per MIL HBK 217)	>120,000 hours
Power Requirements*	11-24 VAC/DC @100 mA
Physical Size (mm)	5.0" (127) x 3.0" (76)
	x 1.0" (25.4)

\* Red Alarm LED and Remote Alarm Contacts cannot be turned off.



### Typical Ethernet Sensing System

Note that all specifications are subject to change without prior notice.

- **Visual and Audible Indications**
- **Remote Separate NO/NC Alarm Contacts**
- **Stand-alone or Rack Mountable (same unit)**

### Ordering Information

Ethernet Sensing Module

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\*For stand-alone operation order a PS-1205 power supply.

\*For rack mounted operation all operating power is provided by the power supply used with the rack panel.

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USA 516-931-2800

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