

8 POINT ALARM BOARD

features

Microprocessor based

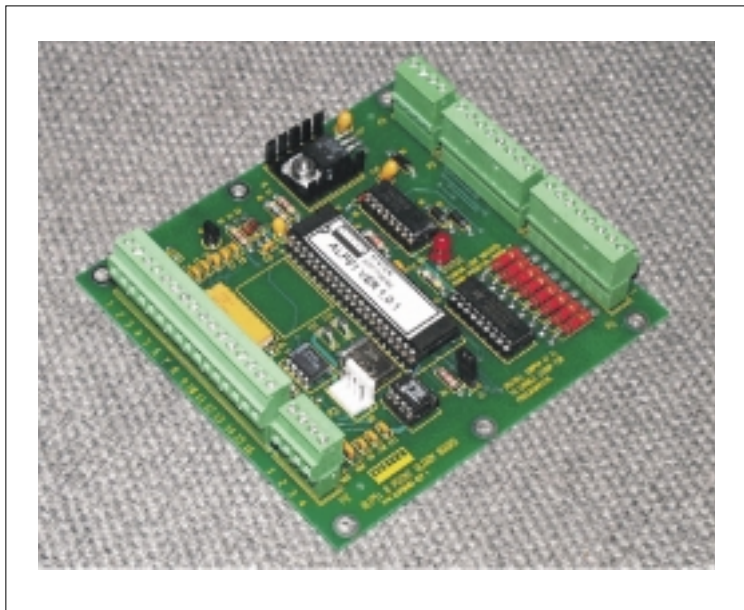
8 analog or digital inputs

3 group alarm outputs

Common new alarm output

Hardware watchdog monitor

Field programmable



description

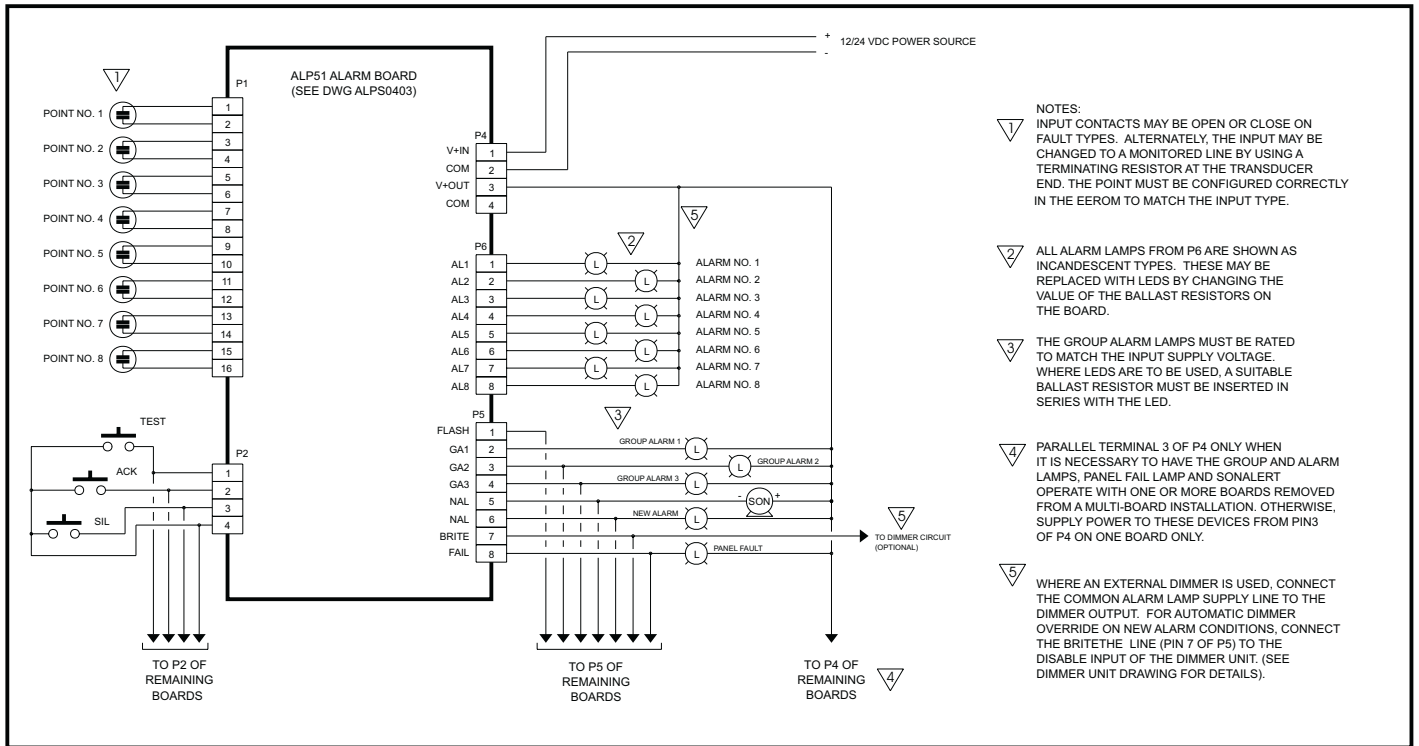
The ALP51 is a microprocessor based card that contains all the operational functions necessary to construct a complete alarm and monitoring system. Alarm sensors can be either digital or analog in nature. When used with switch type alarm sensors all modes of operation are provided including open-on-fault, close-on-fault and monitored lines. Where more than eight alarm points are required, additional boards can be cascaded to produce a panel of any size.

All new alarms are latched and provide a flashing output display as well as a general NEWALARM signal. When the alarm is acknowledged, the output changes to a steady display until the fault is corrected. Each alarm point may be assigned to one or more of the three group alarm outputs to provide an additional output signal that can be used to drive a remote display or other indicating device.

Any of the eight inputs may also be configured as a status point rather than an alarm point. This provides an indication without generating a new alarm condition.

It is also possible to define any of the eight inputs as an enabling point. This input can then be used to enable any of the remaining alarm inputs.

The board can be supplied fully configured or can be field programmed using either a laptop computer or a dedicated programmer unit.



TYPICAL INSTALLATION

SPECIFICATIONS

Supply voltage	12-28 VDC
Supply current (less external lamps).....	50 mA (max)
Size	4.3" X 4.5" (10.9 mm X 11.4 mm)
Weight	3 oz. (85 g)
Number of alarm point inputs	8
Number of group alarm outputs	3
Number of new alarm outputs	2
Input configurations.....	digital, analog or monitored line
Alarm set points	2 (high and low limit)
Point types	Alarm, enabling or status
Latching of new alarm conditions.....	Yes
Individual transient delays.....	Yes (0-255 seconds)
Individual initial delays	Yes (0-255 seconds)
Watchdog circuit.....	Yes
Board fail output line	Yes
Synchronized flash in multi-board systems.....	Yes
Control switches.....	Acknowledge, Silence and Test
Multiple group alarms per point.....	Yes
Multiple points per group alarm.....	Yes
Number of group alarm output modes	4
Dimmer disable output	Yes (active on new alarms)

All specifications are subject to change. Nortek Electronics reserves the right to modify the above product without notice in order to improve performance and other specifications.