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# Product Information

## ALP41A Four Point Alarm Board

### features

**Monitored input lines**

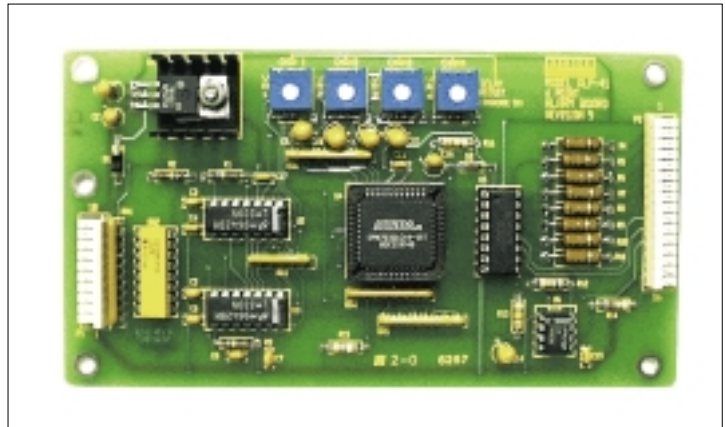
**Open or close on fault inputs**

**Individual delay adjustments**

**Multiple system test options**

**Group alarm output**

**Sonalert output**



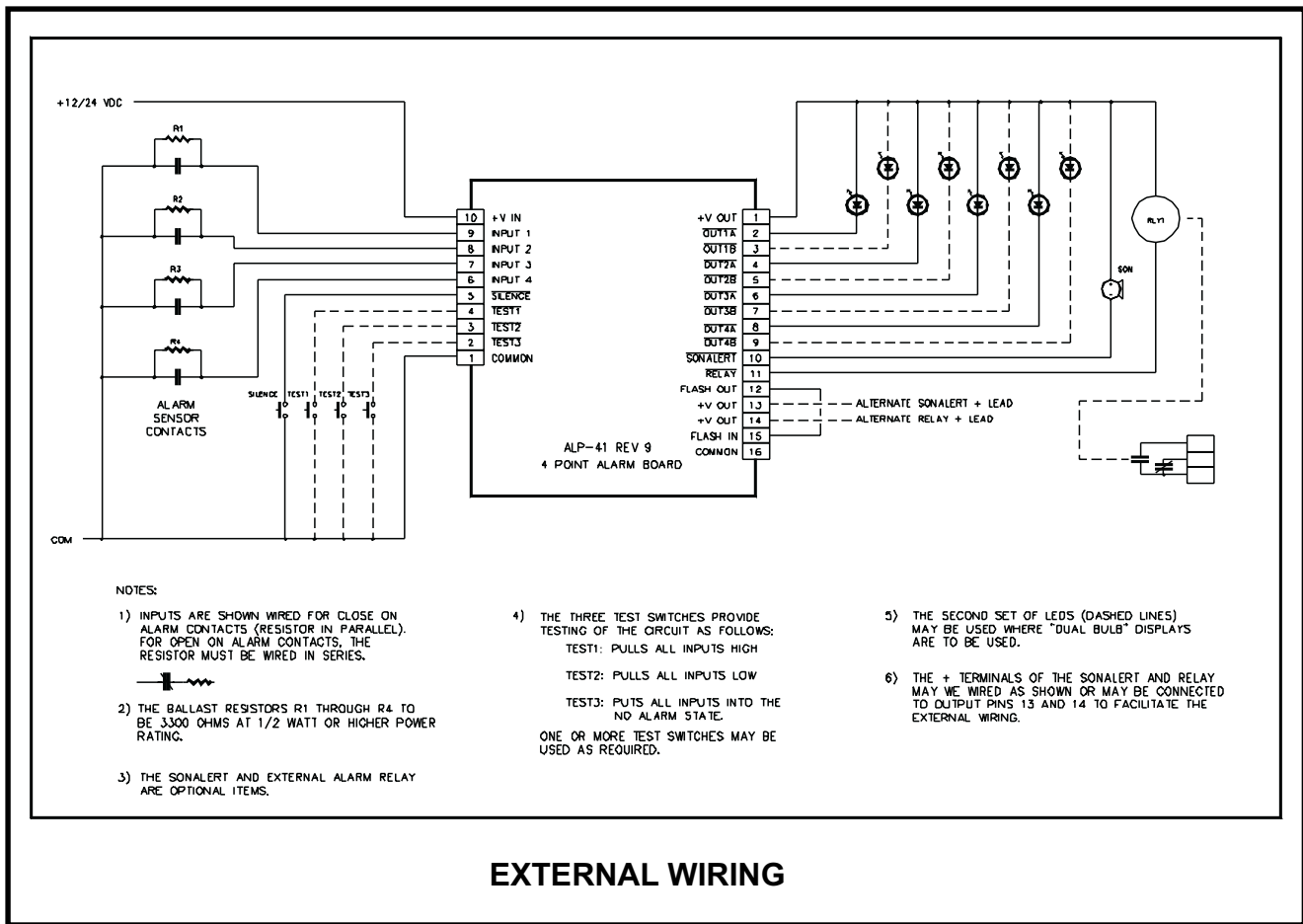
### description

The ALP41 is a complete four point alarm unit capable of providing all the basic alarm functions such as individual delays, latched alarm conditions, new alarm indicator outputs, flashing display on all new alarms and monitored input lines. Where more than four points are to be monitored, additional boards may be added to produce an alarm panel of any size.

The inputs to the panel may be configured for either open or close on fault operation. This is determined by the configuration of the ballast resistor. Placing this resistor in series with the alarm contact produces an alarm when the contact opens. When the resistor is connected in parallel with the contact an alarm will occur when the contact closes. In order to provide for a monitored line, the resistor should be placed at the contact end of the connecting cable rather than at the alarm board. This will give an alarm condition if the wire pair to the contact either shorts or opens. Each alarm point is provided with an individual delay adjustment. This can be used to set the time period that the alarm condition must remain stable before an indication is produced by the alarm board.

The board is capable of driving LEDs or incandescent bulbs with two outputs for each alarm point being provided. There are additional outputs to drive an external relay and sonalert. All new alarm indications on the individual outputs are shown as a flashing lamp. This condition is latched and will remain flashing even if the alarm condition is corrected.

Three switch inputs are provided to give a TEST, SILENCE and ACKNOWLEDGE function. The SILENCE switch deactivates the outputs to the relay and sonalert but retains the flashing display of the new alarm(s). The ACKNOWLEDGE switch converts the flashing display to a steady display and allows the alarm to be reset once the condition is corrected.



## Specifications

Size.....	5.8" X 3.2" (14.7cm. X 8.1 cm.)
Weight.....	Under 4 oz (100 grams)
Supply voltage.....	10 to 28 VDC
Supply current.....	45mA (not including lamps, sonalert and relay)
Lamp outputs.....	8 (2 per alarm point)
Lamp types.....	LED or incandescent as ordered
Auxiliary outputs.....	2 (Sonalert and group alarm relay)
Alarm inputs.....	4 (monitored line)
Control inputs.....	4 (Silence, Test1, Test2 and Test3)
Delay adjustments.....	4 (1 per alarm point)
Delay range.....	0-12 Seconds

For further information on this or other Nortek products, please contact us via any of the following methods-  
 Telephone: (604) 980 2811 / Facimile: (604) 980 0907 / Internet: <http://www.nortek.com>