

Alarm Annunciator

AL2000



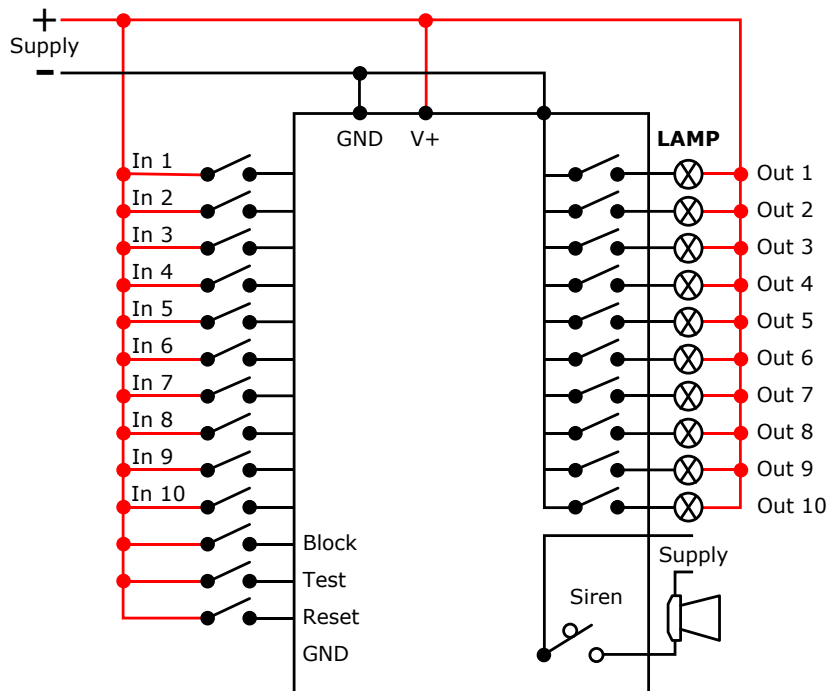
- 10 Channels Input
- LED Display
- Siren Relay Output
- First Alarm Detect
- Expandable Input Channel

Alarm Annunciator AL2000 This device detects, displays, and issues warnings when an alarm condition arises within a system. Control systems typically monitor various parameters-such as temperature, pressure, and motor speed-to prevent potential damage. If an abnormality occurs, the monitoring system alerts the operator so that corrective action can be taken.

Sometimes, an alarm triggered at one point causes subsequent alarms at other points in close succession, making it difficult for operators to identify the root cause of the fault. To address this, the AL2000 is designed so that the alarm LED for the channel that triggers first flashes rapidly, while the alarm LEDs for subsequent channels flash slowly. The siren relay activates when any alarm occurs and deactivates when the "Reset" button is pressed; however, the alarm LED remains steadily lit until the fault is resolved, at which point the LED turns off.

In cases where the alarm system requires more than 10 input channels, AL2000 units can be interconnected to expand the number of input channels.

Input Status	First Alarm	Subsequence Alarm	Siren
First Alarm	Quick Flash	OFF	ON
Subsequent Alarm	Quick Flash	Slow Flash	ON
Return to Normal	Steady - ON	Steady - ON	OFF
Reset	OFF	OFF	OFF
Test	Slow Flash	Slow Flash	ON



Specifications

Alarm Input

Number of channel: 10 Channels

Alarm Input: Programmable (NO/NC Contact)

Alarm Input Delay: Programmable (50 msec, 500 msec, 2 sec and 15 sec)

Lamp Flash Frequency:

Slow Flash 0.8 Hz, Quick Flash 8 Hz

Output

Number of channel: 10 Channels

Output type: NPN (Opto Isolated)

Relay Output

Number of channel: 1 Channels

Output type: N.O. (Siren)

Output range: 500 mA @ 120 VAC

Power Requirements

Power Supply: 12 VDC $\pm$ 20 %, 24 VDC $\pm$ 20 %

Power Consumption

Standby: 1.3 VA

Environmental Limits

Operating Temperature: 0 to 55 °C

Operating Humidity: 5 to 95% RH

Storage Temperature: 0 to 70 °C

Physical Characteristics

Dimension: W144 x H144 x D43 mm.

Mounting: Panel Flash Mounting

Wiring: Screw Terminals

Weight: 0.5 Kg

Warranty

Warranty Period: 5 Year

Ordering Information: Specify Power Supply

Example AL2000/24VDC

Package Checklist

1. AL2000

