

10 CIRCUIT LED MODULE

The ECU®-LD10 has 10 inputs connected to 10 LED's that are built into the module and a lamp test mode. It also has an alarm output with alarm silence.

ECU®-LD10

**SEPARATE VERSIONS
FOR 12 AND 24 VDC**

APPLICATIONS: Control Panels, Annunciators, and Pre-Alarm Panels

FEATURES:

- 10 LED Circuits
- Alarm Output
- Lamp test signals are isolated from incoming signals to inhibit backfeed
- May be combined with other LD10 modules for larger LED counts
- Standard mounting and size
- Molded in tough resilient epoxy
- Low cost and quick installation



ECU®-LD10 A LOW COST ANNUNCIATOR

Applying a positive DC voltage to one or more of the 10 inputs will light the appropriate LED. When a positive DC signal is applied to the LAMP TEST terminal all LED'S will light. Isolation diodes on the input circuits assure no "backfeed" to the incoming signals.

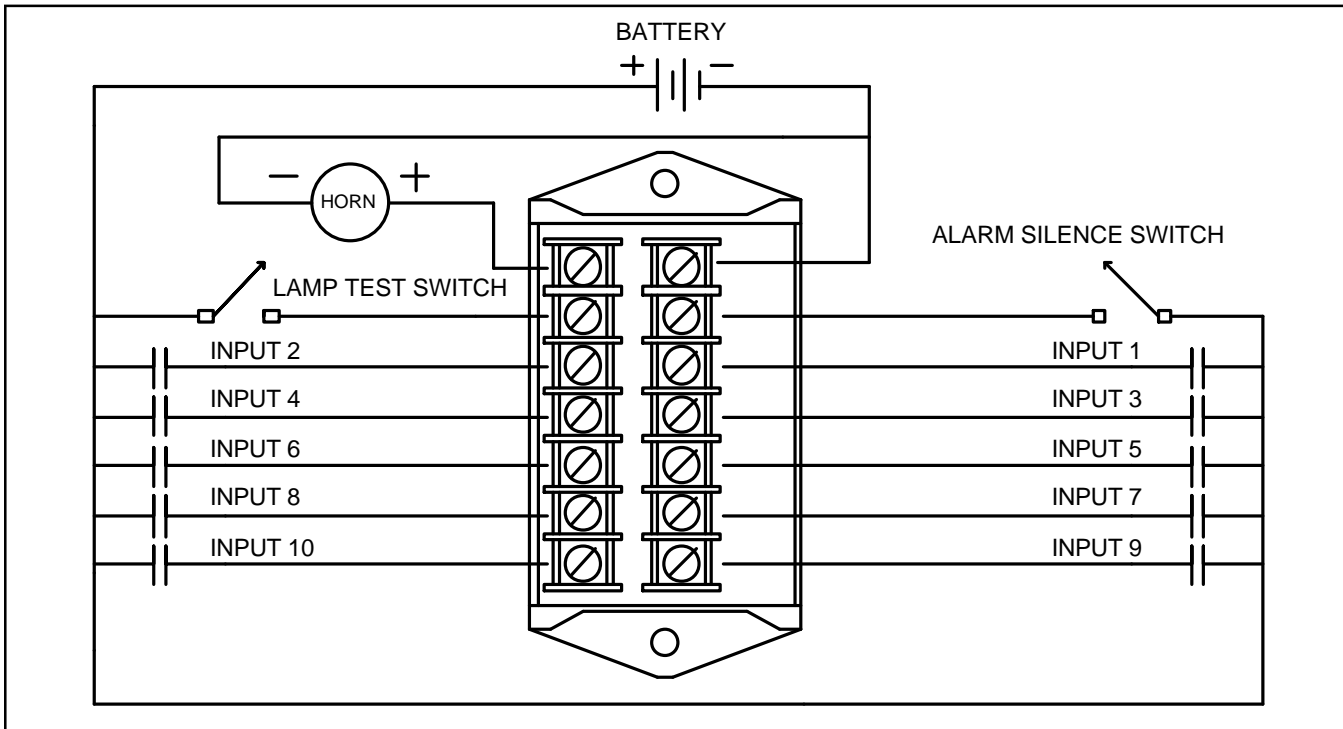
A positive DC voltage will appear on the ALARM output of the LD10 any time a positive DC voltage is placed on one or more of the inputs (if ordered for that input) and the unit is not already in a alarm silenced state. This feature allows a simple common alarm detection scheme for engine systems and annunciators. It should be remembered it is a single shot annunciation scheme and will not have a reoccurring horn on the next fault if it has been silenced already.

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ENGINEERING CONCEPTS UNLIMITED, INC.

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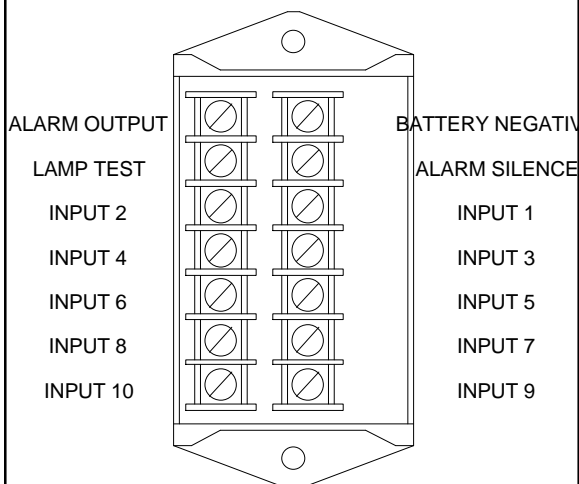
**SAMPLE ECU®-LD10 APPLICATION:
SAMPLE 10 CIRCUIT ANNUNCIATOR**



The example above illustrates the ECU-LD10 used as a basic annunciator. Notice that the input signals are shown being generated by a contact closure to battery positive. They also could have been DC signals generated by other control systems or unit controls thus eliminating the need for dry contacts.

If a signal is applied to the unit the LED will light and the horn will turn on (if ordered for that circuit). The horn may be silenced by actuating Alarm Silence. Once the alarm is silenced if another signal is applied to the unit the LED for that signal will light but the horn will stay silent (no new horn for that next fault). The horn will stay silent until being reset by removing all signal inputs. When a signal input is removed, the LED for that signal will no longer be lit. Placing positive DC voltage on Lamp Test will light all the LED's.

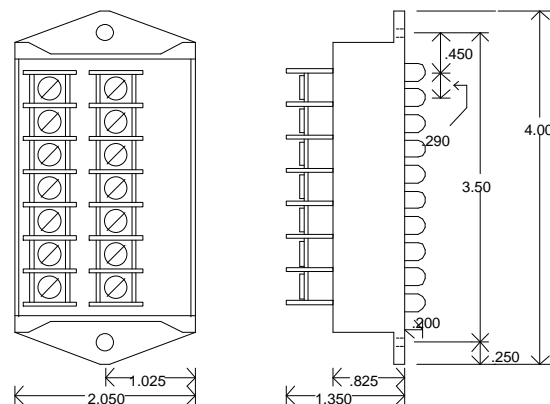
ECU®-LD10 TERMINAL OUT



ORDERING INFORMATION:

This unit requires a copy of exact horn status and LED Color.

PHYSICAL DIMENSIONS



Mounting holes will accept No. 8 or No. 6 screws.
All dimensions in inches.

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