



LDM Series Lamp Driver Modules

Section: Annunciators

GENERAL

The **LDM Series** Lamp Driver Modules, when combined with a custom graphic display, provide annunciation and control for the **Sensiscan 2000** and **MicroScan-9200** fire alarm control panels. These modules use a serial communications interface, and may be located up to 6,000 feet from the panel.

FEATURES

- ALARM/CIRCUIT ON and TROUBLE lamp/LED per-point option, or more dense alarm-only option (field-selectable).
- Control switch option for remote control per point.
- Lamps/LEDs may be programmed to display status of notification circuits or control relays as well as system status conditions.
- System trouble lamp/LED signal.
- On-line/power LED indicator.
- Alarm and trouble resound with flash of new conditions.
- Local sounder for both alarm/circuit-on and trouble conditions with silence/acknowledge switch connection.
- Serial EIA-485 interface for reduced installation cost.
- May be powered by 24 VDC from the panel or by remote power supplies.
- Efficient switched-power converter reduces power consumption.
- Microprocessor-controlled electronics, fully supervised.
- Plug-in terminal blocks for ease of installation and service.
- Trouble monitor option for remote power supplies.

CONSTRUCTION

Two basic models are available: the LDM-32F control module and the LDM-E32F expander module. Each may be selected to provide 32 alarm indications; or 16 alarm, 16 trouble, and 16 control points.

APPLICATIONS

The LDM-32F/LDM-E32F with a custom graphic array may be used to indicate point status and, in some versions, to control the state of output points.

INSTALLATION

The LDM-32F and LDM-E32F modules mount on four standoffs inside the custom annunciator graphic box. Alternately, the modules may be installed in a standard CHS-4 chassis (Sensiscan 2000), or remotely in an ABS-8RF backbox (when used with the MS-9200). The module size is approximately 4.4" (11.2 cm) x 7.1" (18 cm).

Communications between the LDM Series annunciators and the host Fire Alarm Control Panel are made through a two-wire EIA-485 multi-drop loop, and a two-wire regulated 24 VDC power loop. Up to 32 LDM systems may be connected to a single control panel.

All field-wiring terminations use removable, compression-type terminal blocks for ease of installation, wiring, and circuit testing.



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CS635

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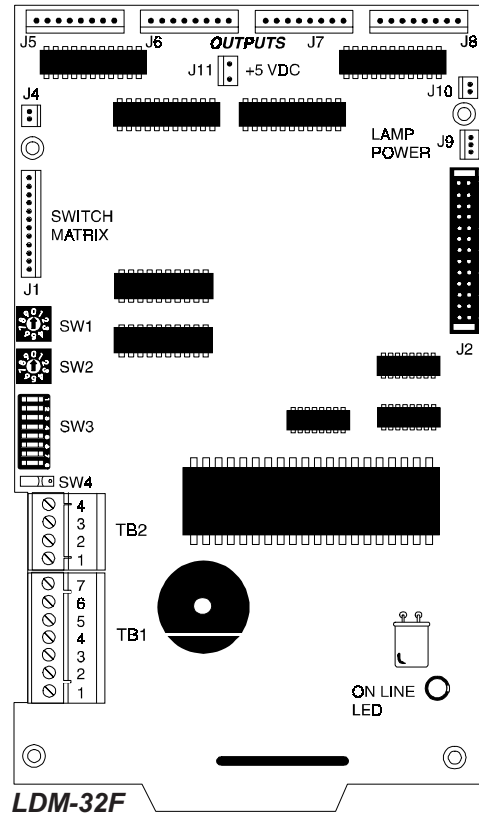
219-94-E
(Sensiscan 2000)



California
State Fire
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(Sensiscan 2000)



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact **Fire-Lite**. Phone: (203) 484-7161 FAX: (203) 484-7118



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Engineering and Manufacturing
Quality System Certified to
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OPERATION

LDM Series Lamp Driver Modules are used to provide the Fire•Lite Sensiscan 2000 and MicroScan-9200 with an interface to a custom graphic annunciator.

Local or remote power supplies and serial communications allow the custom annunciators to be located virtually anywhere on the protected premises.

MS-9200 system alarm and/or trouble conditions may be annunciated on a per-point basis, or in a grouped-zone configuration.

Control of system operational controls, such as Signal Silence, System Reset, and local annunciation controls (such as Local Acknowledge), and Lamp Test may be accomplished through special key- or push-switches.

PRODUCT LINE INFORMATION

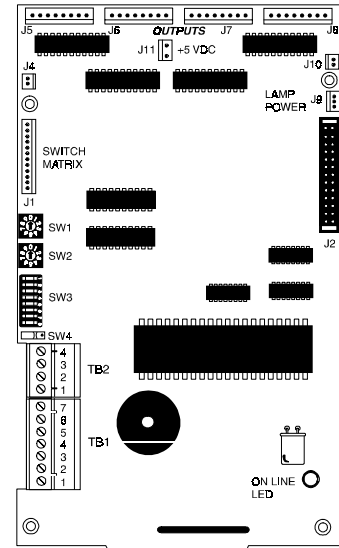
LDM-32F: Lamp Driver Module with 32 alarm lamp-driver transistors (sink to power common on alarm). May be selected (dip switch) for 16 alarm/circuit on, 16 trouble, and 16 switch inputs if desired. Also includes system-trouble lamp driver and lamp-test/local-acknowledge switch input. Integral piezo sounder sounds for each new alarm or trouble and is silenced with the Local Acknowledge switch, or permanently disabled with a dip-switch selection. Flash of new alarms or troubles is selectable through dip switches. 16 switch inputs may be used for panel SILENCE, RESET, DRILL, ACKNOWLEDGE, or remote output control (*NACs and relays, Sensiscan 2000 only*). Instructions are included.

LDM-E32F: Lamp Driver Module with 32 alarm drivers; or 16 alarm, 16 trouble, and 16 switch inputs. One LDM-E32F is allowed per LDM-32F in alarm-only mode. Three LDM-E32F modules are allowed per LDM-32F in alarm/trouble. Includes expander ribbon cable.

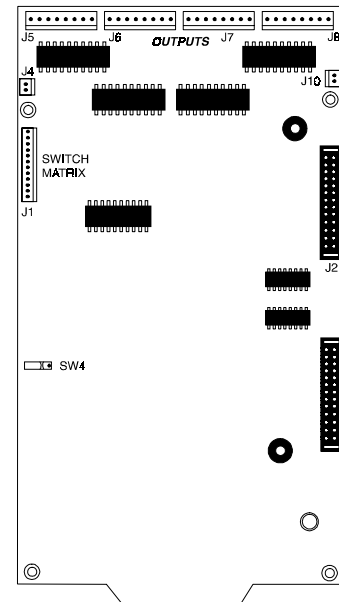
Optional – LDM-CBL24, LDM-CBL48: Ribbon cable sets to provide either a 24" (60.96 cm) or 48" (121.96 cm) connection between LDM-32F/LDM-E32F and LEDs or lamps on a custom graphic panel. Includes all cables necessary for one LDM-32F or LDM-E32F. Cables have connector on one end only (split, strip, and connect other end to graphic annunciator).

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

For specifications on LDM Graphic Annunciator Lamp Driver Modules, contact Fire•Lite.



LDM-32F



LDM-E32F

