

EAGLE SERIES - FIRE ALARM SYSTEMS

ANALOG ADDRESSABLE FIRE ALARM CONTROL PANEL

LE-FN-2127



FEATURES:

- UL 864 9th edition Listed
- Analog design using Lifeco's advanced DCP protocol for fast and robust communication
- Up to 127 sensors & modules, plus 127 analog sounder bases, for a total of 254 points possible per loop
- Uses standard wire, no shielded or twisted pair required on SLC loops
- Supports Class B (style 4) and Class A (style 6 or 7) SLC loops
- 4 on board Class B (style Y) NAC circuits rated at 2.5 Amps each
- Programmable sensitivity levels per device & automatic day/night sensitivity modes
- Automatic daily calibration & drift compensation routine
- Large 8-line x 40-character LCD display (320 char.)
- 2 or 4 loop versions (800 addresses/ sub-addr. max.)
- Dual RS-485 bus for panel network
- 2 built-in RS-232 interfaces for programming via a PC and serial printer interface
- 5 on board programmable Form C relays rated at 1 amp at 30VDC (Fire1, Fire2, trouble, supervisory, aux.)
- 500mA of auxiliary power available rated at 24 VDC
- Loop Explorer Windows® configuration utility
- *500 network wide software zones
- Network Capability of up to 64 panels
- RS485 slave bus for expansion - up to 31 LE-FN-4127-IO boards or up to 15 LE-FN-LCD-S serial annunciators and up to 16 LE-FN-4127-IO boards
- Auto-learn feature
- Built in help and alarm information screens
- Fire Drill test function
- Walk Test function
- Alarm Verification feature
- FireNET is UL listed for Central Station Service, Remote Station Service and Proprietary Service
- Operates on 120VAC or 240VAC input voltage
- Powerful & versatile Cause & Effect programming (up to 500 maximum, network wide) including:
 - *Cause & Effect action
 - *Disable function configuration
 - *Test mode configuration



UL S24976



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DESCRIPTION:

The Lifeco LE-FN-2127 control panel is an analog addressable fire alarm panel containing 2 SLC loops with each loop supporting 127 devices of any combination (sensors or modules), and 127 analog sounder bases, for a possible total of 254 points.

Communication between devices is transferred through standard cable (shielded or twisted pair is not required). Each panel includes a 5.25 amp power supply and has 4 on board NAC circuits. An RS-485 bus provides communication to the panel network, while the RS-232 interface allows the convenience of programming via a PC.

The system will support a variety of Lifeco devices: photo, ion and heat sensors, which contain a unique, patented sensor design incorporating automatic drift compensation and day/night sensitivity mode. Additional devices include contact monitors, relay controllers, supervised auxiliary output and short circuit isolator modules. In addition, interfaces to conventional detection systems can be established by using a conventional zone-monitoring module.

The Loop Explorer Windows® Software interface provides the installer with fingertip access to installation programming and diagnostic tools.

An Auto-learn feature offers the convenience for quick start applications.

Add to this a reputation for high quality and dedicated service makes this an exceptional product both in performance and value.

SPECIFICATIONS:

| | |
|------------------------|---|
| Primary AC | 120VAC @ 2.1 Amps 60hz or 220VAC @ 1.1 Amps 60hz |
| Output DC | 24VDC @ 5.25 Amps (4 Amps available for system power) |
| Power Supply | 5.25 Amp integrated |
| Charger Current | 1.5 Amps max. |
| Dimensions | 14.5" W x 24" H x 5" D |
| Weight | 31 lbs. (without batteries) |
| Color | Red (optional charcoal) |
| Material | ABS/steel enclosure |
| Display | 8 line x 40 character LCD (320 characters total) |
| Network | Dual RS485 ports (64 panels max.) |
| Zones | 500 network wide software zones per system |
| SLC loops | 2 or 4 (class A, "style 6 or 7" or class B, "style 4") |
| Devices per loop | 127 sensors & modules, plus 127 analog sounder bases, 254 total |
| Addresses per panel | (800 addresses+sub-addresses max. per panel) |
| NAC Outputs | (4) 2.5 Amp @ 24VDC (class B) |
| Relay Outputs | (5) Form C 1 Amp @ 30VDC |
| Voltage Outputs | (3) 500mA @ 24VDC |
| Aux. Power | 500mA @ 24VDC |
| Aux. Inputs | (8) digital pull downs |
| PC Port | RS232 |
| Printer Port | RS232 |



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DESCRIPTION:

| MODEL | DESCRIPTION |
|--------------------------------|--|
| CONTROL PANEL EXPANDERS | |
| LE-FN-4127-SLC | Dual SLC Loop Expansion Card |
| LE-FN-4127-NIC | Network Interface Card |
| LE-FN-4127-IO | 16 Channel Input/Output Board |
| LE-FN-DAC | Digital Alarm Communicator/Transmitter |
| LE-FN-CTM | City-Tie Module (Local Energy Type) |
| ANNUNCIATORS | |
| LE-FN-LCD-N | Network LCD Annunciator |
| LE-FN-LCD-S | Serial LCD Annunciator |
| SLC LOOP DEVICES | |
| LE-ALG-V | Analog Addressable Photoelectric Sensor |
| LE-ALK-V & ALK-V2 | Analog Addressable Photoelectric Sensor |
| LE-AIE-EA | Analog Addressable Ionization Sensor |
| LE-ATG-EA | Analog Addressable Heat Sensor |
| LE-NSA-6 | Six inch Sensor Base |
| LE-NSA-4 | Four inch Sensor Base |
| LE-ASB | Analog Sounder Base |
| LE-DH-98A | Analog Addressable Duct Detector Unit |
| LE-DH-98AR | Analog Addressable Duct Detector Unit (with relays) |
| MS-RA, MS-RA/R, MS-KA/R | Remote Test Station for DH98A & DH98AR |
| LE-FRCME-S | Mini Input Module w/terminal blocks |
| LE-FRCME-P | Mini Input Module w/pigtail leads |
| LE-FRCME-4 | Input Module 4" Box Mount |
| LE-FRCMA, LE-FRCMA-I | Class A Input Module 4" Box Mount (FRCMA-I has built-in SCI) |
| LE-DIMM | Dual Input Monitor Module (with faceplate/indicating LED) |
| LE-CZM | Conventional Zone Module |
| LE-R2M | Dual Relay Module |
| LE-R2ML, R2ML-I | Dual Relay Module, 2 amp @30VDC (R2ML-I has built-in SCI) |
| LE-R2MH, R2MH-I | Dual Relay Module, 8 amp @30VDC (R2MH-I has built-in SCI) |
| LE-SOM | Supervised Output Module |
| LE-SOM-A, LE-SOM-AI | Class A Supervised Output Module (SOM-AI has built-in SCI) |
| LE-SCI | Short Circuit Isolator Module |
| LE-AMS | Series Addressable Manual Pull Station |
| ACCESSORIES | |
| LE-TCH-B100 | Hand Held Programmer (portable device addresser) |
| LE-FN-ACC | Battery/Accessory Enclosure (houses up to 33AH size batteries) |
| LE-FN-ETR | Enclosure Trim Ring for Panel Flush Mount |

| ORDERING MODELS | |
|-----------------|---------------------------------------|
| MODEL | DESCRIPTION |
| LE-FN-2127 | FACP (2 Loop/5.25 Amp) |
| LE-FN-2127N | FACP (2 Loop/5.25 Amp) (w/Network) |