



Features

- UL 864 9th Edition Listed
- Provides an address point for a zone of up to 25 conventional smoke detectors
- Blinks green when polled. Latched on red (controlled by panel) when activated
- Device address can be programmed with a handheld programmer. Device address- ranges from 1 to 127
- Compatible with Class B and Class A wiring
- Auxiliary power source provides power for the zone of detectors
- Compatible with conventional detectors; LE-SOC-24V, LE-SOC-24VN, LE-SLR, LE-SIJ, LE-SLK, LE-SLV, LE-DCD, LE-DFE and LE-SIH series
- Compatible with TH series linear heat cables from

Engineering Specification

The contractor shall furnish and install where indicated on the plans, Conventional Zone Module (LE-DCP-CZM). The modules shall be UL Listed and compatible with the LIFECO Control Panel Protocol. The device address shall be electrically programmed and stored in EEPROM. A bi-colored LED shall indicate device status. The LE-DCP-CZM shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The LE-DCP-CZM shall provide a monitor LED that is visible from outside the cover plate.

Specification

Supply Voltage (S-SC)	25.3 ~ 39 VDC
Auxiliary Supply Voltage	18.8 ~ 27.2 VDC
Average Current Consumption	670µA
2-Wire Detector Loop Current	1mA Max.
From Auxiliary Supply	60mA Max.
EOL Device	4.7 ohms Resistor
Max. Quantity Per Loop	127
Alarm Threshold Level	<1.5K ohms
Wiring Threshold Level	>2.5K ohms & <6K ohms
Open Circuit Threshold Level	>10K ohms
Max. 2-Wire Conventional	50 ohms (total wire length)
Dimensions	4.2"W x 4.7"H x 1.4"D
Operating Temperature	32°F (0°C) ~ 120°F (49°C)
Mounting	4" square electrical box
Relative Humidity	90% RH Non-Condensing

Operation

The LIFECO Conventional Zone Module (LE-DCP-CZM) is designed for use on an analog addressable Fire Alarm system. Up to 127 devices can be placed on a single SLC loop. The device address is uniquely stored on an onboard EEPROM. The module allows the panel to interface and monitor two-wire conventional detectors or pull stations. Each LE-DCP-CZM transmits the status on one zone of devices (25 maximum per zone) back to the panel. It supervises the power supply as well as the entire zone of devices. Status conditions are reported as normal, open or alarm. All 2-wire smoke detectors must be UL listed as compatible to be interfaced with the LE-DCP-CZM. The interrupt driven Digital Communication Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. The module has a single bicolored LED to indicate device status. It fits into a standard 4" square or double gang electrical back box.

Wiring Diagram

