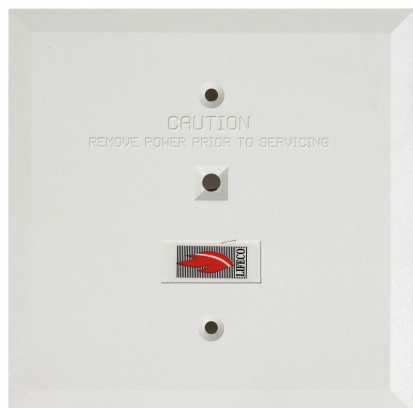


TECHNICAL DATA SHEET

for use by Architects & Engineers

Conventional Zone Module

Model No: LE-DCP-CZM



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 Analog Control Panel Protocol. The device address shall be electrically programmable 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.

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-SLR, LE-SIJ, LE-SLK, LE-SLV, LE-DCD, LE-DFE and LE-SIH series
- Compatible with TH series linear heat cables from Proline Protection Systems

Description

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 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 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.

Technical & Environmental Specification

Supply voltage	25.3 ~ 39 VDC
Auxiliary supply voltage	18.8 ~ 27.2 VDC
Average current consumption	670µA
2-Wire detector loop current	1mA Max
standby detector load	
From auxiliary supply	60mA Max
EOL device	4.7K 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 detector	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



Back of a LE-DCP-CZM

TECHNICAL DATA SHEET

for use by Architects & Engineers

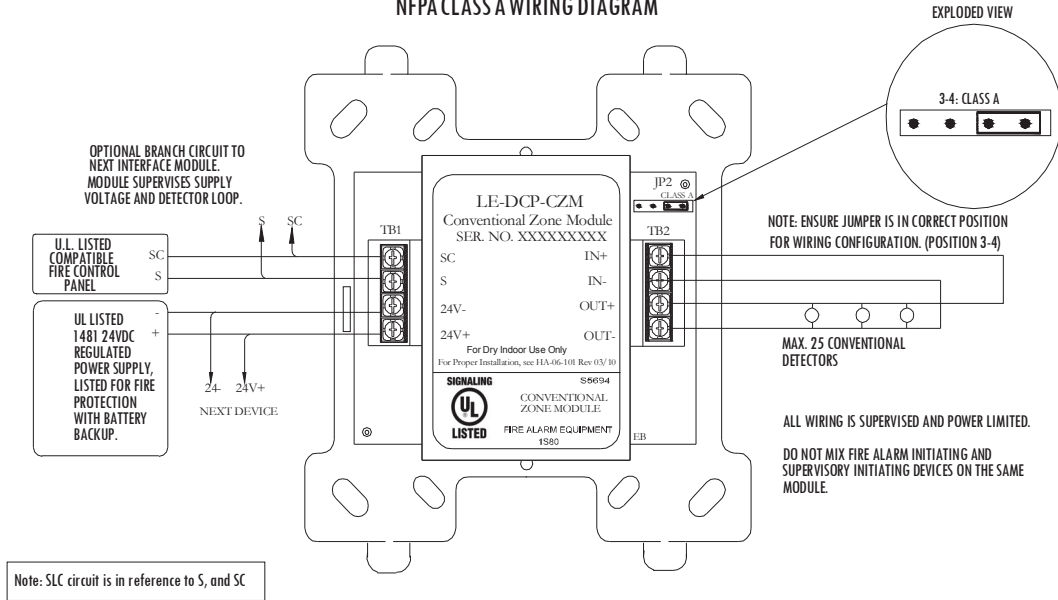
Conventional Zone Module

Model No: LE-DCP-CZM

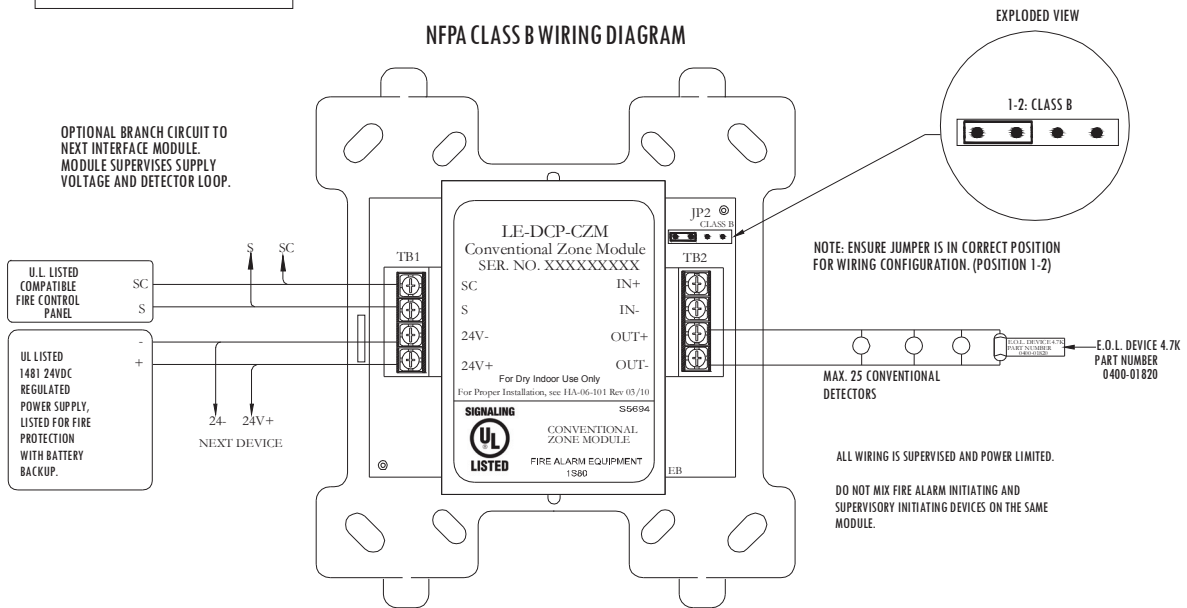


Wiring Details

NFPA CLASS A WIRING DIAGRAM



NFPA CLASS B WIRING DIAGRAM



Compatible Linear Heat Detection Cable for use with the LE-DCP-CZM

Manufacturer	Model	Description	Maximum length
Proline protection systems	TH 68	Fixed temp. line type heat detector cable 155°F (68°C)	8,000ft. (2,438m)
Proline protection systems	TH 68	Fixed temp. line type heat detector cable 155°F (68°C)	8,000ft. (2,438m)
Proline protection systems	TH 68	Fixed temp. line type heat detector cable 155°F (68°C)	8,000ft. (2,438m)

TECHNICAL DATA SHEET

for use by Architects & Engineers

Conventional Zone Module

Model No: LE-DCP-CZM



Compatible Two Wire Detectors for use with the LE-DCP-CZM with Zone Identifier A

Detector Model	Detector identifier	Detector type	Base model	Base identifier	Max detections
LE-SLR-24H	HD-3	Photoelectric w/ heat	LE-NS4-224, LE-NS6-224	HB-5	25
LE-SLR-24H	HD-3	Photoelectric w/ heat	LE-NS4-220, LE-NS6-220	HB-3	25
LE-SLR-24V	HD-3	Photoelectric	LE-NS4-224, LE-NS6-224	HB-5	25
LE-SLR-24V	HD-3	Photoelectric	LE-NS4-220, LE-NS6-220	HB-3	25
LE-DCD-135/-190	HD-3	Heat Fixed Temp / Rate of Rise	LE-NS4-224, LE-NS6-224	HB-5	25
LE-DCD-135/-190	HD-3	Heat Fixed Temp / Rate of Rise	LE-NS4-220, LE-NS6-220	HB-3	25
LE-DFE-135/-190	N/A	Heat Fixed Temp	LE-HSC-224L	HB-62	25
LE-DFE-135/-190	N/A	Heat Fixed Temp	LE-HSC-224L	HB-64	25
LE-SLV-24/-24N/-24V	HD-3	Photoelectric	LE-NS4-224, LE-NS6-224, LE-NS4-224W, LE-NS6-224W	HB-5	25
LE-SLV-24/-24N/-24V	HD-3	Photoelectric	LE-NS4-220, LE-NS6-220, LE-NS4-220W, LE-NS6-220W	HB-3	25