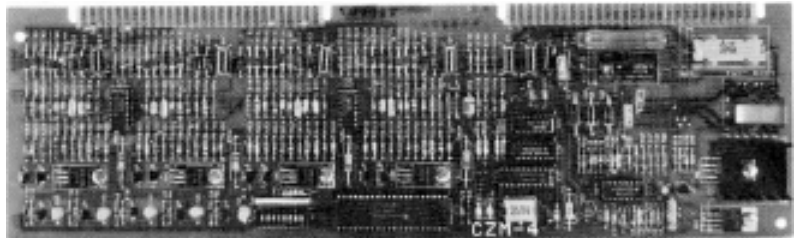


MXL / MXLV Conventional Zone Module Model CZM-4

ARCHITECT AND ENGINEER SPECIFICATIONS

- 32-character, custom alphanumeric message per circuit
- Four (4) conventional initiating-device circuits
- Supports the use of the following fire equipment:
 - 30 two-wire photo or ion detectors per circuit
 - Projected beam detector (limit 1 per circuit)
 - Unlimited shorting devices
 - Remote indicator lamps
 - Detector relay bases
 - Audible bases
- Class A (Style D)
- Class B (Style B)
- On-board microprocessor
- Optional alarm verification by circuit
- Walk test by circuit
- Circuits power limited, per NEC 760



- ®UL 864 9th Edition Listed, ®ULC Listed;
FM, CSFM, NYC Fire Department and
City of Chicago Approved

Product Overview

The Conventional Zone Module (Model CZM-4) is used with the MXL system to provide four (4) Class A [Style D] or Class B [Style B] conventional initiating-device circuits. Each circuit can monitor up to 30 Siemens Fire Safety two-wire photoelectric or ionization smoke detectors, as well as check an unlimited amount of normally open (N.O.) contact devices.

Projected beam smoke detectors may also be used. The Model CZM-4 circuits will support the use of detector relay bases, audible bases and remote-indicator lamps. Activation of any device on a circuit will initiate a zone *alarm* condition resulting in the operation of programmed functions.

Any circuit in the *alarm* or *trouble* condition will be identified by a user specified 32-character alphanumeric message displayed on the MXL's liquid-crystal display (LCD) annunciator.

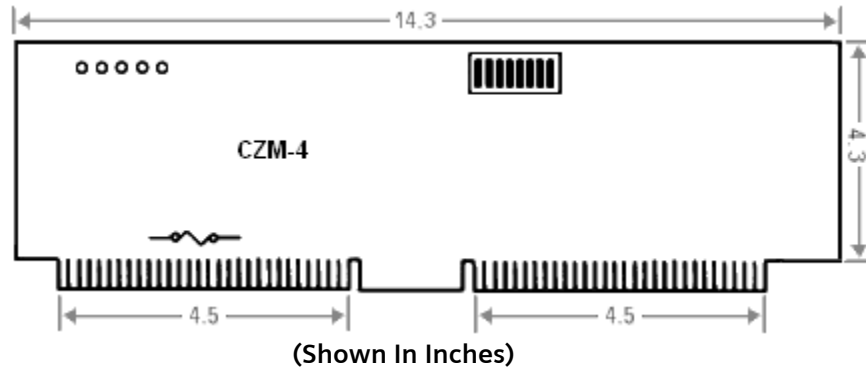
Each circuit of Model CZM-4 are designed to function in a local 'degrade' mode during failure of the MXL system's main processor, or the loss of the system communication network. While in the 'degrade' mode, Model CZM-4 still has capability of reporting *alarm* and *trouble* events, as well as activating local outputs.

Any or all of the Model CZM-4 circuits can be programmed to operate with the 'alarm verification' feature, which allows the automatic verification of *alarm* conditions caused by smoke detectors to take place — thus, preventing nuisance *alarm* events to trigger without cause.

Model CZM-4 plugs into one (1) full slot in the Model MOM-2 or Model MOM-4 expansion card cage. Up to two (2) Model CZM-4 modules may be plugged into each Model MOM-4 card cage.

Conventional Zone Module 5003

Dimensions



Electrical Ratings Electrical Connections

- Initiating device circuits –
 - Voltage Range:** 20 - 24.5 VDC
 - Supervisory Current:** 4mA max capacitor EOL
9mA max resistor EOL
 - Alarm Current:** 180mA max per zone
- Initiating device per zone –
 - Up to 30 detectors [any combination of those shown in Bullet 3] may be used.
 - Up to five (5) waterflow switches may be used.
 - Any number of direct shorting devices may be used. Wiring may be Style D (Class A) or Style B (Class B).
- The UL identifiers for compatibility are the same as the model names specified below. Compatible Siemens Fire Safety detectors are as follows:

<u>Detector</u>	<u>Detector Install Instructions</u>
DI-3 / 3H	P/N: 315-081943
DI-A3 / A3H	P/N: 315-081943
DI-4A / 4H	P/N: 315-085257
DI-6	P/N: 315-085257
DI-B3 / B3H	P/N: 315-086590 P/N: 315-086591 P/N: 315-086592
PE-11 / PE-11T	P/N: 315-094198
DT-11	P/N: 315-095429
PE-3000 / 3000T	P/N: 315-086441
PE-3 / 3T	P/N: 315-086545
PBA-1191	P/N: 315-094912

- All circuits are power limited to NFPA 70 per NEC 760. Each detector or group of detectors must use a two wire circuit of at least 18 AWG thermoplastic fixture wire enclosed in conduit, or 18 AWG limited energy shielded cable without conduit, if permitted by local building codes.
- Total circuit resistance must not exceed 70 ohms [40 ohms, if relay bases are used.]

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.

Installation and Operation Manuals [IOMs]

Model Number	Part Number	Description
CZM-4	315-090726	Controllable Zone Module

Note: For further details, refer to MXLV IOM manual: 315-092036.

Related Documentation

Product	Data Sheet Number
MXL	5000
MXLV	5035

Details for Ordering

Model Number	Part Number	Description
CZM-4	500-890488	Controllable Zone Module

Temperature and Humidity Range

Model CZM-4 is UL 864 9th Edition listed for indoor dry locations within a temperature range of 120+/-3°F (49+/-2°C) to 32+/-3°F (0+/-2°C) and with a relative humidity of 93+/-2% at a temperature of 90+/-3°F (32+/-2°C).