**MXL / MXLV**  
Conventional Zone Module  
Model CZM-4

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**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  

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**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**
**Electrical Ratings**

**Electrical Connections**

1. **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

2. **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).

3. The @UL identifiers for compatibility are the same as the model names specified below. Compatible Siemens Fire Safety detectors are as follows:

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

4. 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.

5. 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]**

<table>
<thead>
<tr>
<th>Model Number</th>
<th>Part Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CZM-4</td>
<td>315-090726</td>
<td>Controllable Zone Module</td>
</tr>
</tbody>
</table>

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

**Related Documentation**

<table>
<thead>
<tr>
<th>Product</th>
<th>Data Sheet Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>MXL</td>
<td>5000</td>
</tr>
<tr>
<td>MXLV</td>
<td>5035</td>
</tr>
</tbody>
</table>

**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).

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**Dimensions (Shown In Inches)**

![Diagram of CZM-4 Module](diagram.png)

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**December 2010**
Supersedes sheet dated 5/02
(Rev.1)