
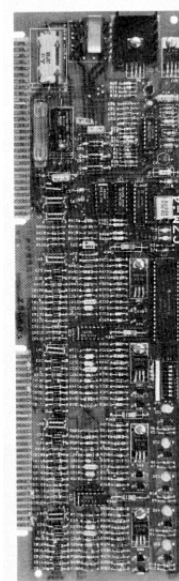


## CZM-4

### Conventional Zone Module

#### ENGINEER AND ARCHITECT SPECIFICATIONS

- Four Conventional Initiating Device Circuits
- Supports the Use of:
  - 30 Two Wire Photo or Ion Detectors Per Circuit
  - Projected Beam Detector (Limit 1 Per Circuit)
  - Unlimited Shorting Devices
  - Detector Relay Bases
  - Audible Bases
  - Remote Indicator Lamps
- Class A (Style D)
- Class B (Style B)
- On-Board Microprocessor
- 32 Character Custom Alphanumeric Message Per Circuit
- Optional Alarm Verification by Circuit
- Walk Test by Circuit
- Circuits Power Limited per NEC 760
-  Listed, ULC Listed, FM, CSFM, NYMEA and City of Chicago Approved



### Description

The Conventional Zone Module CZM-4 is used with the MXL to provide four 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 photo-electric or ionization smoke detectors and an unlimited number of normally open contact devices. Projected Beam Detectors may also be used. The 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 LCD annunciator.

Each of the CZM-4's circuits are designed to function in a local "Degrade" mode during failure of the MXL main processor or the loss of the system communication network. While in the "Degrade" mode the CZM-4 is still capable of reporting both alarm and trouble conditions and activating local outputs.

Any or all of the CZM-4 circuits can be programmed to operate with the "Alarm Verification" feature. This feature allows the automatic verification of alarm conditions caused by smoke detectors in order to prevent nuisance alarms.

The CZM-4 module plugs into one full slot in the MOM-2 or MOM-4 expansion card cage. Up to two CZM-4 modules may be plugged into a MOM-4 card cage.

## Electrical Specifications

### 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 devices per zone:

Up to 30 detectors, any combination of those in No. 3 below. Up to five 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).

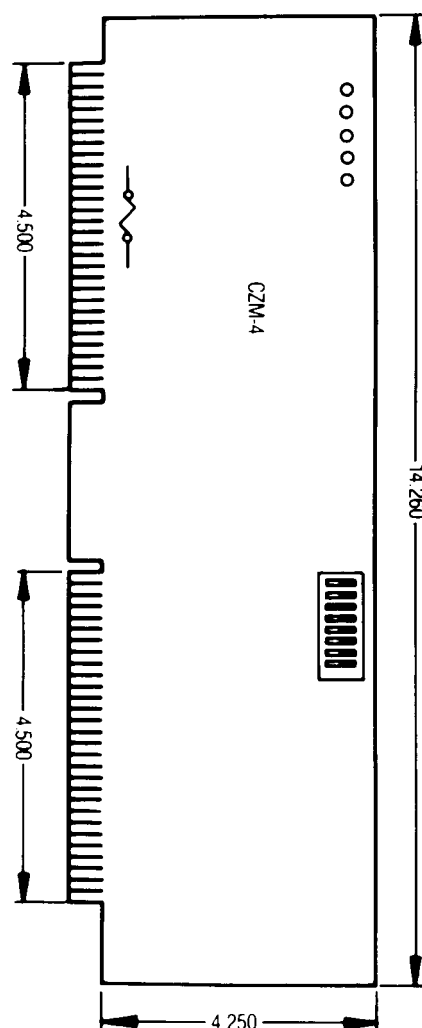
3. The UL identifiers for compatibility are the same as the model names specified below. Compatible Siemens Fire Safety detectors are:

Detector	Installation Instructions
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

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.

## Dimensions



## Ordering Information

Model Number	Description	Part Number
CZM-4	Conventional Zone Module for MXL	500-890488

Refer to Installation Instructions P/N 315-090726