

## CZM - CONVENTIONAL ZONE MODULE



### STANDARD FEATURES

- 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 also be programmed with a handheld programmer. Device Address- ranges from 1 to 127.
- Compatible with Class B (Style B) and Class A (Style D) wiring.
- Auxiliary power source provides power for the zone of detectors.

#### PRODUCT LISTINGS

Underwriters Laboratories: Pending  
 CSFM #: Pending  
 MEA Report # Pending

### SPECIFICATIONS

Supply Voltage (S-SC):	
Loop voltage (Low)	17-31 VDC
Loop pulse voltage	7-9 VDC
Auxiliary Supply Voltage: 19-30 VDC	
Average Current Consumption: (From S-SC)	
Typical Quiescent	400 $\mu$ A
2-Wire Detector Loop Current:	
Standby (CZM + 25 detectors + EOL) From Auxiliary Supply	5mA Max
Alarm (Short across detector line)	60mA Max
Data Transmission Current	22mA $\pm$ 20%
EOL Device	4.7K Ohms
Alarm Threshold Level	<1.5K Ohms
Wiring OK Threshold Level	
	>2.5K Ohms & <6K Ohms
Open Circuit Threshold Level	>10K Ohms
Max. 2-Wire Conventional Detector	
Loop Resistance:	50 Ohms
Operating Temperature Range:	0 $^{\circ}$ C - +50 $^{\circ}$ C
Storage Temperature Range:	-30 $^{\circ}$ +60 $^{\circ}$ C (<80% RH at 60 $^{\circ}$ C)
Relative Humidity:	10-85% RH Non-condensing

### DESCRIPTION

The Conventional Zone Module (CZM) connects to a Signal Line Circuit (SLC). The module allows the analog panel to interface and monitor dry contacts such as pull stations and two-wire conventional smoke detectors. The "CZM" is addressed through the communication line of the system and transmits the status of one zone of devices to the panel. Status conditions are reported as normal, open or alarm. It supervises the external power supply as well as the entire zone of devices.

*Specifications subject to change without notice.*

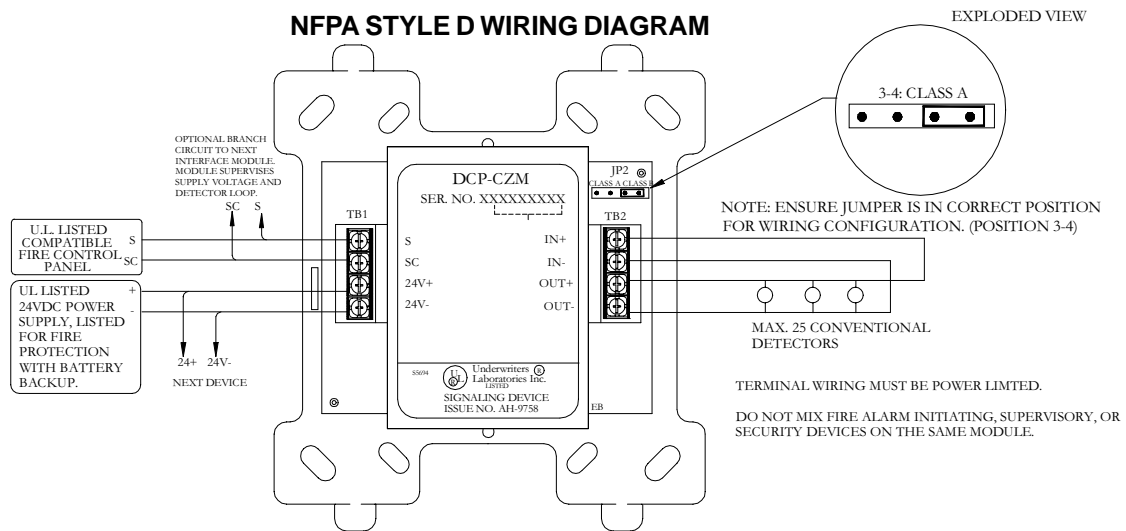
# ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, Conventional Zone Module (CZM). The modules shall be UL listed and compatible with the Hochiki America Analog Control Panel Protocol. The device address shall be electrically programmable and stored in EEPROM. A bi-colored LED shall indicate device status. The 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 CZM shall provide a monitor LED that is visible from outside the cover plate.



Back side of a CZM

## NFPA STYLE D WIRING DIAGRAM



## NFPA STYLE B WIRING DIAGRAM

