



## INSTALLATION INSTRUCTIONS FOR CZM CONVENTIONAL ZONE MODULE

The information contained in this installation instruction is to be used as quick reference guide. For detailed system information, refer to the panel's installation manual.

### GENERAL DESCRIPTION

This instruction applies to the Convention Zone Module (CZM), which is to be connected 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.

NOTE: Please reference the 2 wire detector compatibility matrix on the preceding page for a complete list of devices approved for use with the "CZM"

### MOUNTING REQUIREMENTS

The (CZM) Conventional Zone module is mounted as shown in Figure 2 on page 2 of this instruction.

### WIRING

NOTE: All wiring must conform to local codes, ordinances and regulations.

- 1) Install module wiring in accordance with the job drawings and appropriate wiring diagram (see Fig.3).
- 2) Secure the module to a U.L. listed electrical box (supplied by installer), as shown in Figure 2.

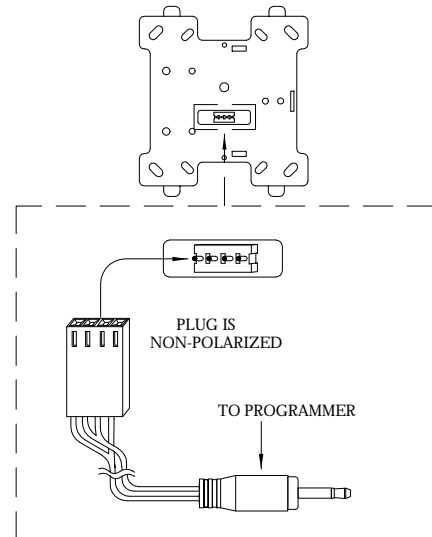


FIGURE 1.  
EXPLODED VIEW OF ADDRESS PROGRAMMING PLUG AND CONNECTOR

#### CAUTION!

Install the modules in this instruction in accordance with applicable NFPA standards, local codes, and the authorities having jurisdiction. Failure to follow these instructions may result in failure of the system to operate as intended. Hochiki America is not responsible for modules that have been improperly installed, tested, or maintained.

#### CAUTION!

To ensure proper operation connect this module to a compatible Fire Control Panel only. Refer to panel instructions for proper connection and compatibility.

#### CAUTION!

If this module will be installed in an existing operation system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the module

NOTE: An average of 6.75mA (communication current) per loop of SLC devices, must be factored into the panel battery backup calculations.

SPECIFICATIONS		
Absolute Maximum Applied Voltage		S, SC: 41 VDC
Supply Voltage Nominal		S, SC: 33 VDC
Auxiliary Supply Voltage Nominal		18.8 ~ 27.2V
Average Current Consumption (From (S-SC))	Typical Quiescent	400 $\mu$ A
2-Wire Detector Loop Current (From Auxiliary Supply)	Standby Detector Load	1 mA Max
	Alarm (Short across detector line)	60 mA Max
Maximum Current Consumption	Surge current: 30mA (in 5 ms.) Alarm and response: 30mA (in 20 ms.) No Alarm and no response: 720 $\mu$ A	
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 (for both legs)	
Operating temperature range	0°C - +49°C	
Storage temperature range	-30°-+60°C (<80% RH at 60°c)	
Relative humidity	10 - 85 % RH, Non-Condensing	

**For Indoor Use Only**

HOCHIKI AMERICA CORPORATION  
7051 VILLAGE DRIVE, SUITE 100  
BUENA PARK, CA 90621-2268

DWG. # HA-06-101  
(PG 1 OF 3, 02/04)  
PART# 1700-10170

### NFPA STYLE D WIRING DIAGRAM

EXPLODED VIEW

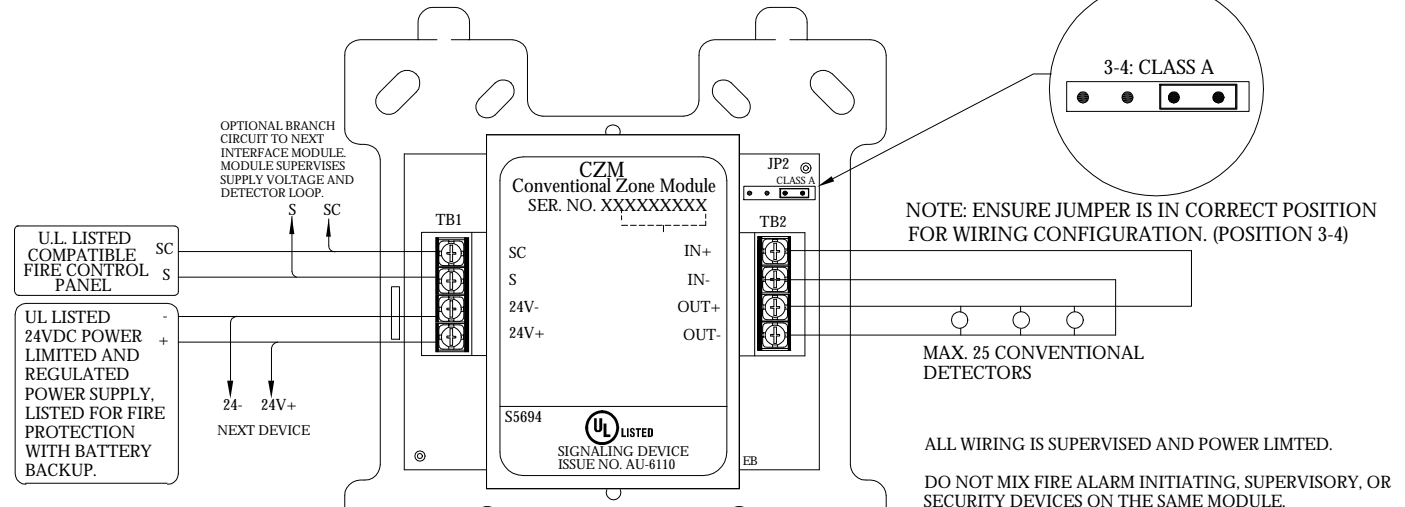


FIGURE 3.

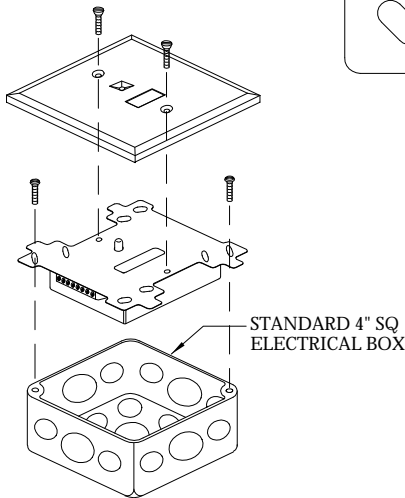


FIGURE 2  
TYPICAL MOUNTING ARRANGEMENT

### NFPA STYLE B WIRING DIAGRAM

EXPLODED VIEW

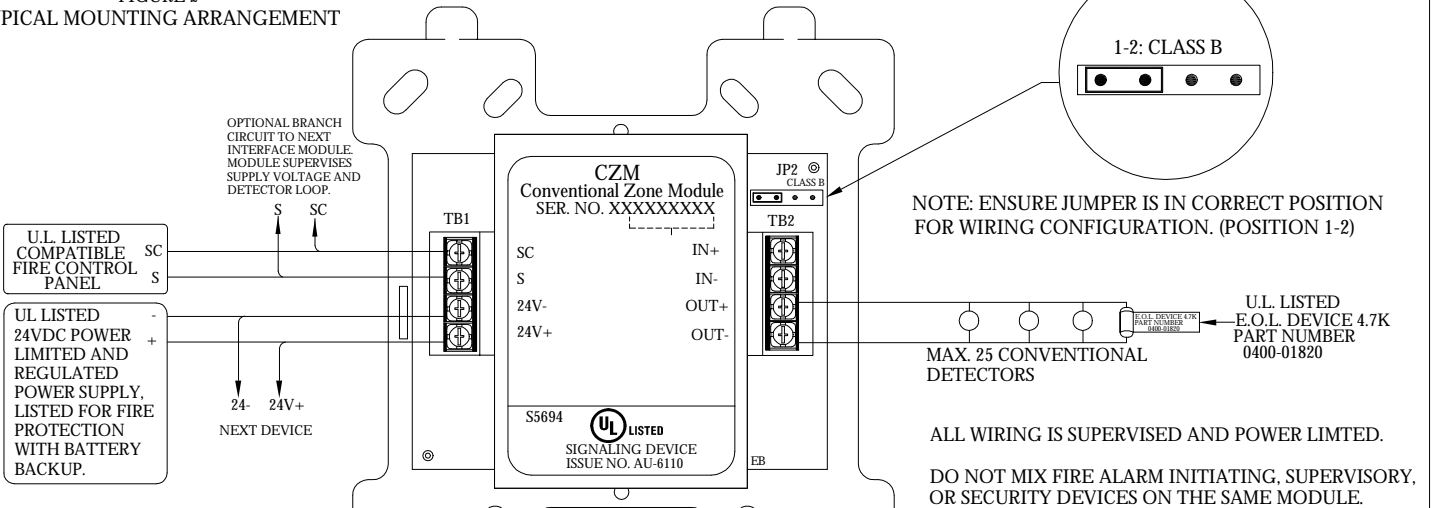


FIGURE 3.

NOTE: INSTALLATION WIRING SHALL NOT EXCEED 50 OHMS (14-18 AWG)

## Compatible Two Wire Detectors for use with the CZM with zone identifier A:

Detector Model	Detector Identifier	Detector Type	Base Model	Base Identifier	Max Detectors
SLK-24F	HD-3	Photoelectric	HSB-224	HB-53	25
SIH-24F	HD-3	Ionization	HSB-224	HB-53	25
SLR-24H	HD-3	Photoelectric w/heat	NS4-224, NS6-224	HB-5	25
SLR-24V	HD-3	Photoelectric	NS4-224, NS6-224	HB-5	25
SLR-835/-835W	HD-3	Photoelectric (8-35V)	NS4-224, NS6-224 NS4-224W, NS6-224W	HB-5	18
SLR-835H/-835HW	HD-5	Photoelectric (8-35V) w/thermal	NS4-224, NS6-224 NS4-224W, NS6-224W	HB-5	18
SLR-835B-2	HD-6	Photoelectric (8-35V) (baseless)	N/A	N/A	18
SLR-835BH-2	HD-6	Photoelectric (8-35V) w/thermal (baseless)	N/A	N/A	18
SIJ-24	HD-3	Ionization	NS4-224, NS6-224	HB-5	25
DCD-135/-190	HD-3	Heat Fixed Temp/Rate of Rise	NS4-224, NS6-224	HB-5	25
DFE-135/-190	N/A	Heat Fixed Temp	HSC-224L	HB-62	25

### One Year Limited Warranty

Hochiki America (HA) warrants its digital communication modules to be in conformance with its own plans and specifications and to be free from defects in materials and workmanship under normal use and service for a period of one (1) year from date of delivery. All warranties are void and HA is not obligated to repair or replace equipment which has been repaired by others, abused, improperly installed, altered or otherwise misused or damaged or exposed to conditions outside the products specifications in any way. HA will not be responsible for any dismantling, reassembling or re-installation charges. Please contact HA's Sales department for proper procedure for claims and return of merchandise. This warranty is in lieu of all other warranties expressed or implied.