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 (con trolled 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.
- Compatible with conventional detectors, SLR, SIJ, SLK and SIH series.

PRODUCT LISTINGS

Underwriters Laboratories: S5694
CSFM #: 7300-0410:150

SPECIFICATIONS

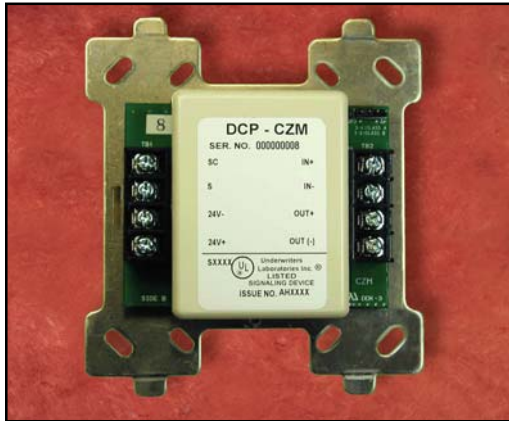|	
Operating Voltage:	17~41 VDC
Auxiliary Supply Voltage Nominal:	18.8~27.2 V
Average Current Consumption: (From S-SC)	
Typical Quiescent	400µA
2-Wire Detector Loop Current:	
Standby Detector Load:	1mA Max
From Auxiliary Supply	
Alarm (Short across detector line):	60mA Max
Data Transmission Current:	22mA ± 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 (total SLC lenght)
Operating Temperature Range:	
	32°F (0°C) ~ 120°F (49°C)

DESCRIPTION

The Hochiki Conventional Zone Module (CZM) is designed for use on the FireNET analog addressable system. Up to 127 devices can be placed on a single SLC loop. The device address is uniquely stored on an onboard EEPROM. The module allows the panel to interface and monitor dry contacts such as two-wire conventional detectors or pull stations. Each CZM is addressed through the panel and transmits the status of one zone of devices (25 maximum per zone) back to the panel. It supervises the power supply as well as the entire zone of devices. Status conditions are reported as normal, open or alarm. All 2-wire smoke detectors must be UL listed as compatible to be interfaced with the CZM. The interrupt driven Digital Communication Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. The module has a single bi-colored LED to indicate device status. It fits into a standard 4" square or double gang electrical back box.

Specifications subject to change without notice.

Find latest revision at **www.hochiki.com**

ISO 9001:2000 REGISTERED

F0004   06/2004

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.
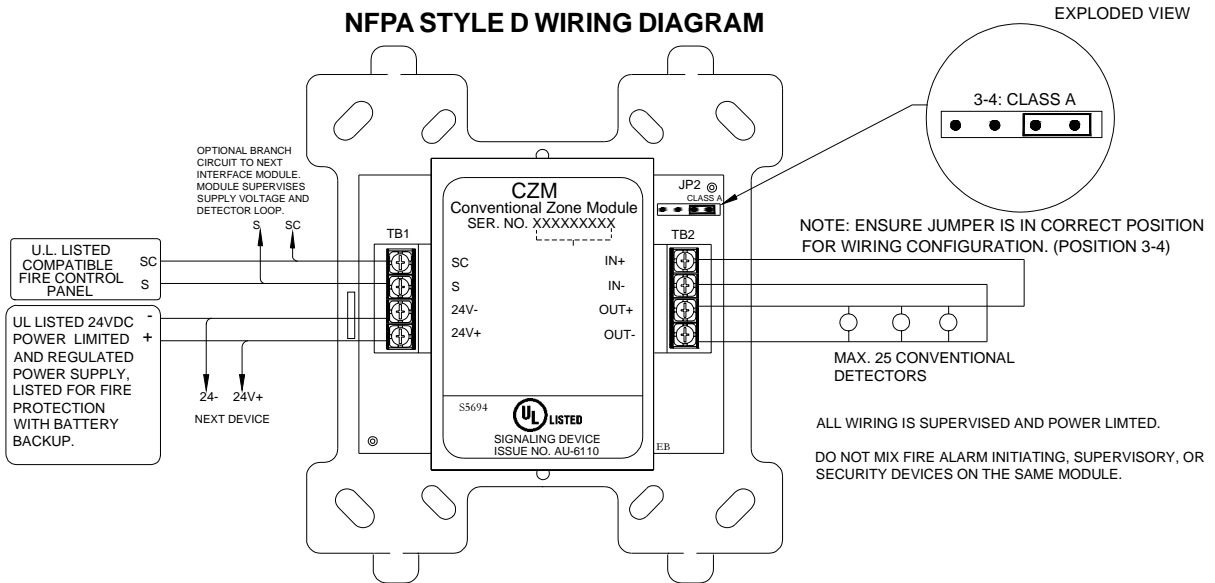
Back side of a CZM

LIST OF COMPATIBLE DEVICES

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

NFPA STYLE D WIRING DIAGRAM

EXPLODED VIEW

3-4: CLASS A

NOTE: ENSURE JUMPER IS IN CORRECT POSITION FOR WIRING CONFIGURATION. (POSITION 3-4)

OPTIONAL BRANCH CIRCUIT TO NEXT INTERFACE MODULE. MODULE SUPERVISES SUPPLY VOLTAGE AND DETECTOR LOOP.

CZM
Conventional Zone Module
SER. NO. XXXXXXXXX

JP2
CLASS A

TB1   TB2

U.L. LISTED COMPATIBLE FIRE CONTROL PANEL

SC
S
24V-
24V+

IN+
IN-
OUT+
OUT-

UL LISTED 24VDC POWER LIMITED AND REGULATED POWER SUPPLY, LISTED FOR FIRE PROTECTION WITH BATTERY BACKUP.

24- 24V+
NEXT DEVICE

S5694

UL LISTED
SIGNALING DEVICE
ISSUE NO. AU-6110

MAX. 25 CONVENTIONAL DETECTORS

ALL WIRING IS SUPERVISED AND POWER LIMTED.

DO NOT MIX FIRE ALARM INITIATING, SUPERVISORY, OR SECURITY DEVICES ON THE SAME MODULE.

NFPA STYLE B WIRING DIAGRAM

EXPLODED VIEW

1-2: CLASS B

NOTE: ENSURE JUMPER IS IN CORRECT POSITION FOR WIRING CONFIGURATION. (POSITION 1-2)

OPTIONAL BRANCH CIRCUIT TO NEXT INTERFACE MODULE. MODULE SUPERVISES SUPPLY VOLTAGE AND DETECTOR LOOP.

CZM
Conventional Zone Module
SER. NO. XXXXXXXXX

JP2
CLASS B

TB1   TB2

U.L. LISTED COMPATIBLE FIRE CONTROL PANEL

SC
S
24V-
24V+

IN+
IN-
OUT+
OUT-

UL LISTED 24VDC POWER LIMITED AND REGULATED POWER SUPPLY, LISTED FOR FIRE PROTECTION WITH BATTERY BACKUP.

24- 24V+
NEXT DEVICE

S5694

SIGNALING DEVICE
ISSUE NO. AU-6110

MAX. 25 CONVENTIONAL DETECTORS

U.L. LISTED E.O.L. DEVICE 4.7K PART NUMBER 0400-01820

ALL WIRING IS SUPERVISED AND POWER LIMTED.

DO NOT MIX FIRE ALARM INITIATING, SUPERVISORY, OR SECURITY DEVICES ON THE SAME MODULE.