

Addressable Conventional Zone Module FWC-FSLC-CZM

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 be programmed with a hand-held programmer. Device address ranges from 1 to 127
- Compatible with Class B and Class A wiring
- Auxiliary power source provides power for the zone of detectors
- Compatible with conventional detectors

DESCRIPTION:

The Napco Conventional Zone Module (FWC-FSLC-CZM) is designed for use with an analog addressable Fire Alarm system. Up to 127 devices can be placed on a single SLC loop. The device address is uniquely stored on an onboard EEPROM chips. The CZM module allows the panel to interface and monitor two-wire conventional detectors or pull stations. Each FSLC-CZM 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 FWC-FSLC-CZM. The interrupt-driven communication protocol 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.



LISTINGS:

- UL864 9th Edition: Commercial Fire
- NFPA 72 National Fire Alarm Code
- CSFM: California State Fire Marshall
- NYCFCF: NYC Fire Department

SPECIFICATION:

The contractor shall furnish and install where indicated on the plans, Conventional Zone Module FWC-FSLC-CZM modules. The modules shall be UL Listed and compatible with the Napco FIREWOLF Analog Control Panel Protocol. The device address shall be electrically programmable and stored in an EEPROM. A bi-colored LED shall indicate device status.

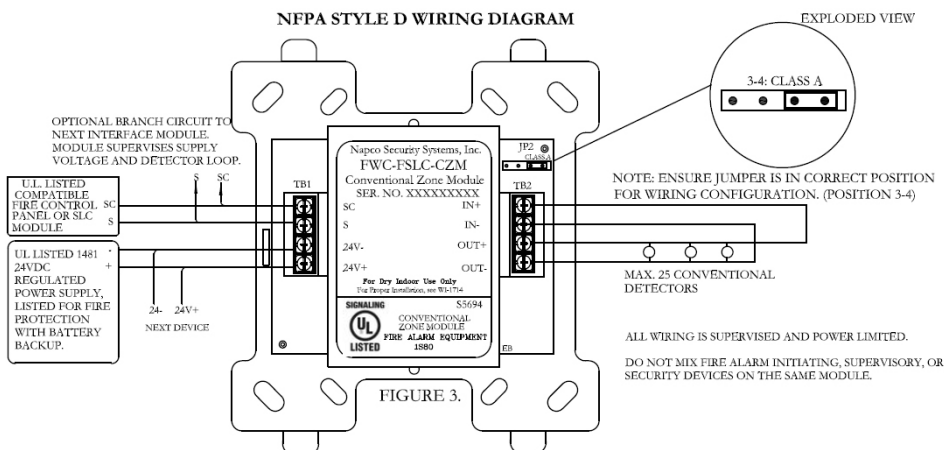
The FWC-FSLC-CZM shall be supplied with a plastic cover and shall be suitable for mounting to a 4" square or double gang electrical back box. The FWC-FSLC-CZM shall provide a monitor LED that is visible from outside the cover plate.

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

Detector Model	Detector Identifier	Detector Type	Base Model	Base Identifier	Max # of 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 / -2W	HD-6	Photoelectric (8-35V) (baseless)	NA	NA	18
SLR-835BH-2 / -2W	HD-6	Photoelectric (8-35V) w/Thermal (baseless)	NA	NA	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	NA	Heat Fixed Temp	HSC-224L	HB-62	25
SLV-24 / -24N / -24V	HD-3	Photoelectric	NS4-224, NS6-224, NS4-224W, NS6-224W	HB-5	25
FW2	HD-6	Photoelectric (8-35V) (baseless)	NA	NA	18
FW-2H	HD-6	Heat Fixed Temp	NA	NA	18

FWC-FSLC-CZM	
SLC Applied Voltage	25.3 - 39 VDC
Auxiliary Applied Voltage	Nominal 18.8 VDC Maximum 27.2 VDC
SLC Current Consumption	Nominal 670µA Maximum 720µA
2-Wire Detector Loop Current (Auxiliary Supply)	Standby Detector Load 1mA max; Alarm (short across Detector Line) 60mA max
Maximum Output Current	2A @ 30VDC
Visual Indicator (Status LED)	bi-Color LED (green/red)
EOL Device for OUT+ & OUT-	4.7Ω Resistor
Max Quantity Per Loop	127
Alarm Threshold Level	<1.5KΩ
Wiring OK Threshold Level	>2.5KΩ & <6KΩ
Open Circuit Threshold Level	>10KΩ
Max 2-Wire Conventional Detector Loop Resistance	50Ω (for both legs)
Maximum Humidity	10-85% RH Non-Condensing
Dimensions	4.2"W x 4.7"H x 0.85"D
Mounting	4" square electrical box
Weight	Approx. 3 oz.
Operating Temperature	32°F to 120°F (0°C to 49°C)

NFPA STYLE D WIRING DIAGRAM



Note: SLC circuit is in reference to S, and SC

NFPA STYLE B WIRING DIAGRAM

