

## FNM-FRCMA - FAST RESPONSE CONTACT MODULE



### STANDARD FEATURES

- Single input contact monitor
- Fast, reliable contact monitoring utilizing the Hochiki DCP (Digital Communications Protocol)
- Two different mounting configurations
- 127 devices can be used per DCP loop
- Bi-colored indicating LED provides module status (Both Models)
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts in Class B
- Operates on Class A or Class B SLC loop
- Accepts up to 14 AWG wire
- UL 864 Listed

SPECIFICATIONS	
Supply Voltage (S-SC)	25.3 ~ 39 VDC
Average Current Consumption	630 $\mu$ A (Typical) 6.3mA (Alarm)
Maximum Quantity Per Loop	127
Dimensions	4.2"W x 4.7"H x 1.4"D
Ambient Temperature	32°F (0°C) ~ 120°F (49°C)
Mounting	4" square electrical box
Relative Humidity	90% RH Non-condensing

### DESCRIPTION

The Hochiki FNM-FRCMA Fast Response Contact Monitoring Modules are designed to be used with pull stations, water flow switches, and other applications requiring the monitoring of dry contact alarm initiating devices. The interrupt driven Digital Communications Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. Two different mounting configurations are provided to meet a wide range of applications. The FNM-FRCMA contact monitoring module does not require a separate 24 VDC power source.

Each addressable contact monitoring module is programmed with its own unique Signaling Line Circuit (SLC) loop address. The device address is electrically programmable and stored on onboard EEPROM. Up to 127 devices can be placed on the Hochiki DCP SLC loop. The module supervises the wiring to the contact with an End Of Line (EOL) resistor in Class B mode. It can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts. If a fault condition occurs in the wiring, the module sends a trouble status signal to the fire alarm control panel. When a change of status (contact changes state) is sensed by the FNM-FRCMA, it sends an interrupt to the Fire Alarm Control Panel indicating that an alarm has occurred.



Specifications subject to change without notice.

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### Hochiki America Corporation

7051 Village Drive, Suite 100 Buena Park, CA 90621-2268  
 Phone: 714/522-2246 Fax: 714/522-2268  
 Technical Support: 800/845-6692 or technicalsupport@hochiki.com

Find latest revision at [www.hochiki.com](http://www.hochiki.com)



# ENGINEERING SPECIFICATIONS

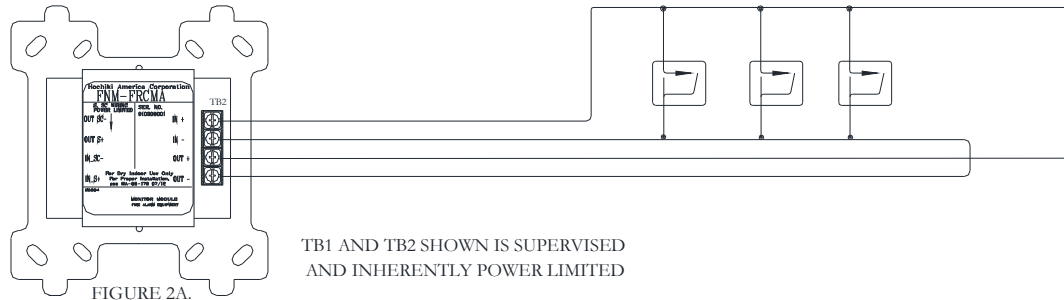
The contractor shall furnish and install where indicated on the plans, addressable contact monitoring modules Hochiki FNM-FRCMA. The modules shall be UL listed and compatible with the Fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM.

The FNM-FRCMA shall be supplied with a plastic face plate and shall be suitable for mounting to a 4" square or double gang electrical back box. The FNM-FRCMA shall provide a monitor LED that is visible through the face plate.

## WIRING DIAGRAM

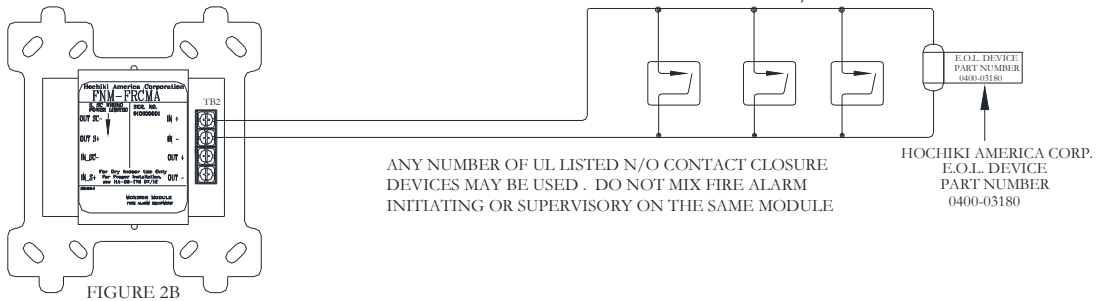
### WIRING DIAGRAMS FOR CLASS A (STYLE D) WIRING

NOTE: CLASS A can only monitor N/O contacts



### WIRING DIAGRAMS FOR CLASS B (STYLE B) WIRING

#### TYPICAL WIRING FOR N/O CONTACTS IN CLASS B



#### TYPICAL WIRING FOR N/C CONTACTS (N/C AVAILABLE ONLY FOR CLASS B)

NOTE: If configured for class B, N/C contacts, this cannot be an alarm or supervisory.

