

## DCP-FRCME-M - FAST RESPONSE CONTACT MODULE



### STANDARD FEATURES

- UL 864 9th Edition Listed
- Single input contact monitor
- Fast, reliable contact monitoring utilizing the Hochiki **DCP** (Digital Communications Protocol)
- 127 devices can be used per **DCP** loop
- Can be programmed to monitor Normally Open (NO) or Normally Closed (NC) contacts
- Operates on Class A or Class B SLC loop
- Accepts up to 12 AWG wire



Specifications subject to change without notice.

Continued on back.

SPECIFICATIONS	
Supply Voltage (S-SC)	25.3 ~ 39 VDC
Average Current	339 $\mu$ A (Typical)
Consumption	358 $\mu$ A (Alarm)
Programmable Input	1 Monitoring Inputs
EOL Device	10K Ohms Resistor
Max. Quantity Per Loop	127
Dimensions	1.75"W x 2.37"H x 0.5"D
Operating Temperature	32°F (0°C) 120°F (49°C)
Mounting	2" electrical box
Relative Humidity	90% RH Non-Condensing

### DESCRIPTION

The Hochiki DCP-FRCME-M 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 devices. The interrupt driven Digital Communications Protocol (DCP) combines maximum communication reliability and fast response to emergency conditions. The DCP-FRCME-M 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 in 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. 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 DCP-FRCME-M, it sends an interrupt to the control panel indicating that an alarm has occurred.

The **DCP-FRCME-M** is a small design and is suitable for mounting in a single gang box.

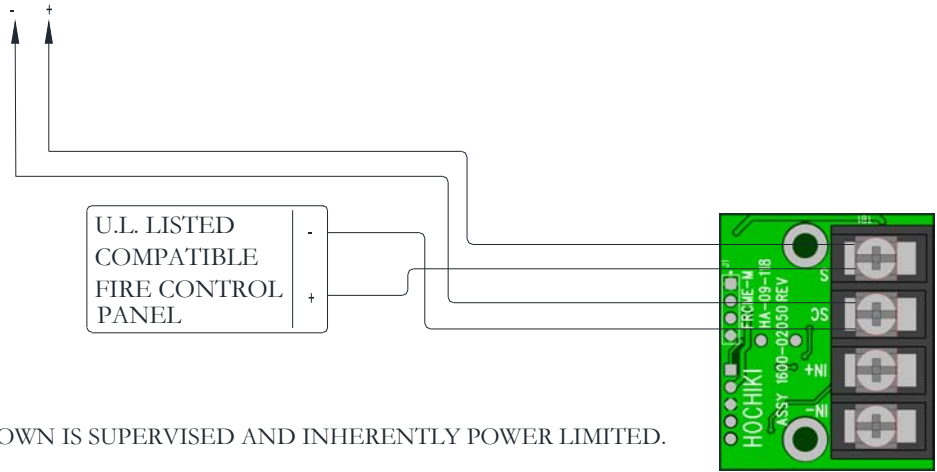
# ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, addressable contact monitoring modules Hochiki DCP-FRCME-M. The modules shall be UL listed and compatible with the Hochiki Digital Communication Protocol (DCP) supporting control panel. The device address shall be electrically programmable and stored in EEPROM.

The DCP-FRCME-M shall be suitable for mounting to a single gang electrical back box.

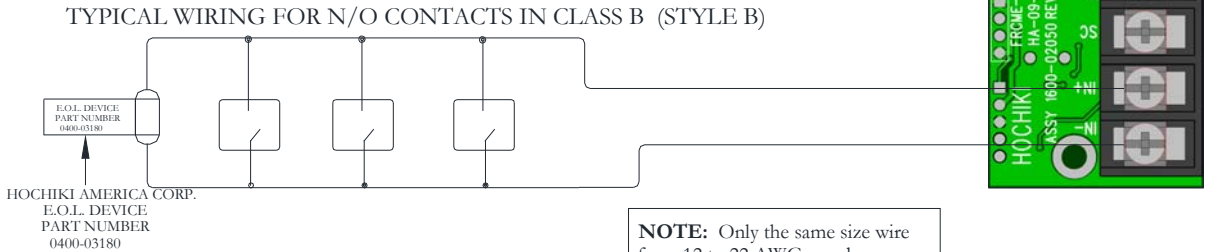
## WIRING DIAGRAM

OUTPUT TO NEXT INTERFACE  
MODULE ON THE SLC LOOP



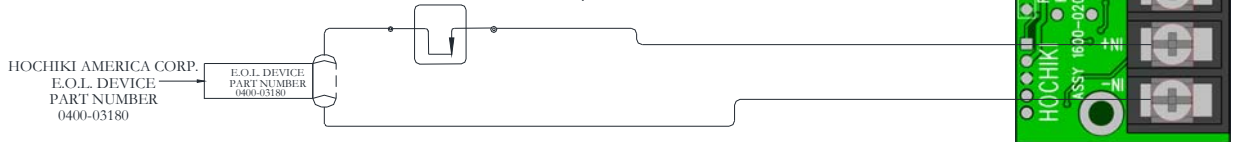
TB1 WIRING SHOWN IS SUPERVISED AND INHERENTLY POWER LIMITED.

## WIRING DIAGRAM FOR CLASS B ( STYLE B):



**NOTE:** Only the same size wire from 12 to 22 AWG may be connected to the terminal block TB1 when more than one conductor is being connected under each terminal. Maximum of 2 conductor per terminal.

## TYPICAL WIRING FOR N/C CONTACTS



NOTE: For Normally Closed (N/C) contact monitoring, the FRCME-M can only be used to generate a trouble condition, not an alarm or supervisory.

NOTE: SLC Circuit is in reference to S, and SC for Class A/B wiring diagram.

NOTE: ANY NUMBER OF UL LISTED N/O CONTACT CLOSURE DEVICES MAY BE USED, SUBJECT TO NFPA AND AHJ REQUIREMENTS. DO NOT MIX FIRE ALARM AND SUPERVISORY INITIATING DEVICES ON THE SAME MODULE.