

DCP-FRCME - FAST RESPONSE CONTACT MODULE



FRCME-4

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 (FRCME-4 only)
- 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 14 AWG wire
- UL listed UL 864

PRODUCT LISTINGS

FRCME-4/
FRCME-S only



CS943

MEA

284-91-E Vol. IV



S5694



3022559



California
State Fire
Marshal

7300-0410:150

Specifications subject to change without notice.

SPECIFICATIONS	
Operating Voltage DCP Powered Loop	17~41 VDC
Average Current Consumption	550 μ A (Typical)
Alarm Current	8mA
Dimensions	
FRCME-4	4.2"W x 4.7"H x 1.4"D
FRCME-P	3.0"W x 1.9"H x 0.5"D
FRCME-S	2.8"W x 1.8"H x 0.7"D
Ambient Temperature	32°F (0°C) ~ 120°F (49°C)
Max. Humidity	90% RH, non-condensing
Mounting	
FRCME-4	Mounts to double gang/4" square back box
FRCME-S/FRCME-P	Mounts inside a single gang back box

DESCRIPTION

The Hochiki FRCME 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 FRCME 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 FRCME, it sends an interrupt to the FireNET control panel indicating that an alarm has occurred.

The **FRCME-P** and **FRCME-S** are small package designs and are suitable for mounting in a small junction box behind a pull station or other monitored device.

The **FRCME-4** is mounted to a cover plate for a 4" square or double gang junction box. It contains a visible bi-colored indicating LED to provide module status.

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ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, addressable contact monitoring modules Hochiki DCP-FRCME-4, DCP-FRCME-S and FRCME-P. The modules shall be UL listed and compatible with the Hochiki FireNET fire alarm control panel. The device address shall be electrically programmable and stored in EEPROM.

The FRCME-S and FRCME-P shall fit inside a single gang electrical back box. The FRCME-4 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 FRCME-4 shall provide a monitor LED that is visible through the face plate.



FRCME-4

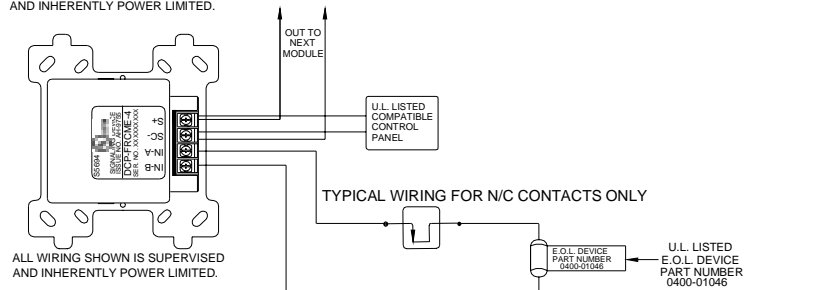
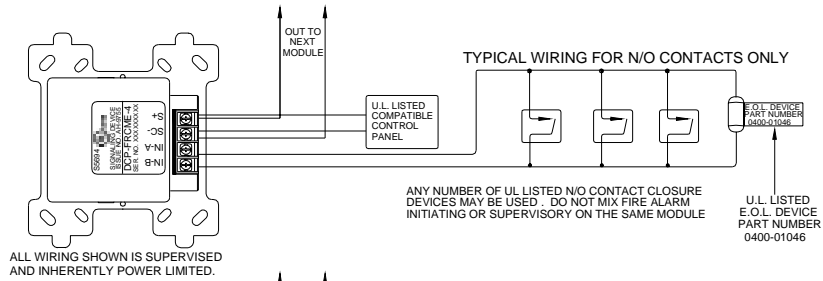


FRCME-S



FRCME-P

WIRING DIAGRAM FRCME-4/FRCME-S



FRCME-P

