

## EAGLE SERIES - FIRE ALARM SYSTEMS

### FAST RESPONSE CONTACT MODULE

#### LE-DCP-FRCME



#### ENGINEERING SPECIFICATIONS

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

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

#### SPECIFICATIONS

Operating Voltage DCP Powered Loop	17~41 VDC
Average Current Consumption	550 $\mu$ A (Typical)
Alarm Current	8mA
Dimensions LE-FRCME-4	4.2"W x 4.7"H x 1.4"D
LE-FRCME-P	3.0"W x 1.9"H x 0.5"D
LE-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 LE-FRCME-4	- Mounts to double gang/4" square back box
LE-FRCME-S/LE-FRCME-P	- Mounts inside a single gang back box

#### STANDARD FEATURES

- Single input contact monitor
- Fast, reliable contact monitoring utilizing the Lifeco 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



UL S24975

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#### DESCRIPTION

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

The LE-FRCME-P and LE-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 LE-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.



LE-FRCME-4



LE-FRCME-S



LE-FRCME-P

