



Features

- Provides two independently configurable Form C contacts per address
- Contacts are rated as follow:
LE-DCP-R2ML: 2A @ 30 VDC / 0.5A @ 120 VAC
LE-DCP-R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
- Up to 127 devices can be used on each SLC loop
- Visible Bi-colored LED is software controlled and can be programmed to blink red or green when polled. The LED can be latched on when activated. (For All Models)
- Yellow LED indicates a short circuit condition (LE-DCP-R2ML-I & LE-DCP-R2MH-I only)
- Programming is highly flexible providing 16 priority states plus zoning capability
- Operates on Class A or Class B SLC loop
- UL 864 Listed

Operation

The Dual Relay Modules (LE-DCP-R2ML/H Series) have been designed to provide flexible and quick response to emergency conditions. The LE-DCP-R2ML/H Series allows independent control of two form C contacts for a variety of normally open and normally closed contact applications such as fan operation, elevator recall, door closure, and auxiliary notification.

Each LE-DCP-R2ML/H Series module provides independent control of two Form C contacts while utilizing one SLC (Signaling Line Circuit) address. The LE-DCP-R2ML/H Series modules have a highly configurable programming algorithm that allows the user to set up groups of devices (zoning) for simultaneous operation of multiple LE-DCP-R2ML/H modules. Each module has 16 priority states that are programmed. The operating parameters are maintained by the module and do not require individual communication with the control panel during the emergency condition to operate. The control panel broadcasts the control command on the SLC loop and the LE-DCP-R2ML/H Series modules do the rest based on their custom configuration. Since mechanically latching relays are used within the LE-DCP-R2ML/H Series modules, a separate 24VDC power source is not required.

The contractor shall furnish and install where indicated on the plans, the LIFECO LE-DCP-R2ML/H Series addressable relay modules. The modules shall be UL listed compatible with LIFECO Digital Communications Protocol (DCP) supporting control panel loops.

The relay module must provide two Form C dry contacts rated as follows: LE-DCP-R2ML - 2A @ 30 VDC or 0.5A @ 120 VAC and LE-DCP-R2MH - 8A @ 30VDC or 4.8A @ 250 VAC. The relay module must be suitable for mounting in a standard 4" square electrical box. The relay module must provide a bi-colored LED for indication of status. LE-DCP-R2M-LI/-HI shall provide an SCI LED that is visible through the face plate.

Specification

Supply Voltage (S-SC)	25.3 ~ 39 VDC
Average Current Consumption	350µA (Typical) 405µA (Alarm)
Contacts	2 Independently Controlled Form C R2ML: 2A@30VDC/0.5A@120 VAC R2MH: 8A@30VDC/4.8A@250VAC
SCI On Resistance	40m ohm Max. (Normal Condition)
SCI Fault Detection Threshold	12 volts (Typical)
SCI Isolation Current (Short Circuit Condition)	10mA (Typical)
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



Back of a LE-DCP-R2ML



Back of a LE-DCP-R2ML-I

Specification

LE-SCI VERSION

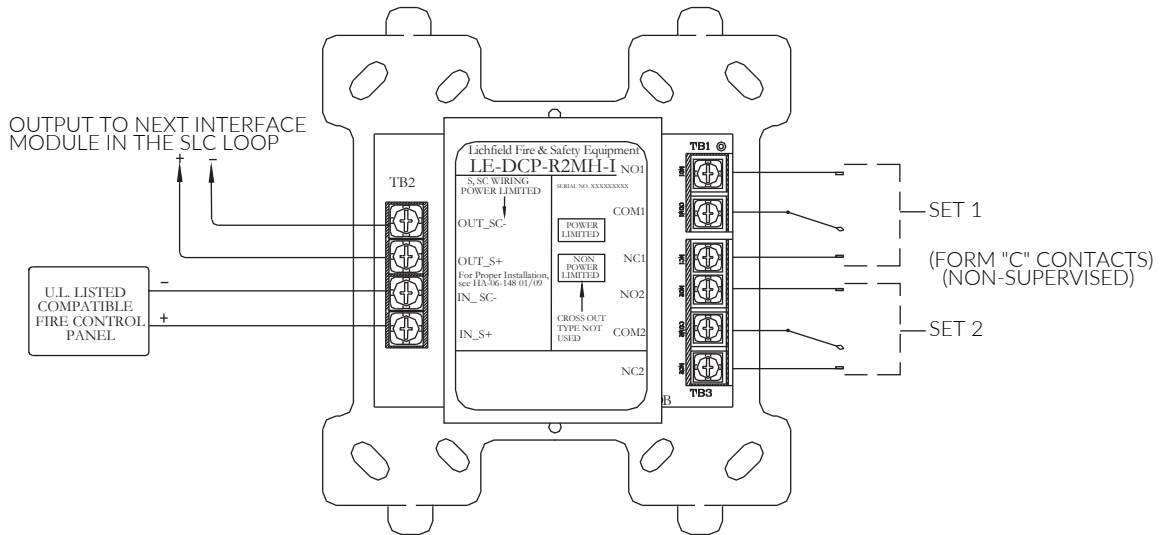


FIGURE 1.
WIRING DIAGRAM

NON-LE-SCI VERSION

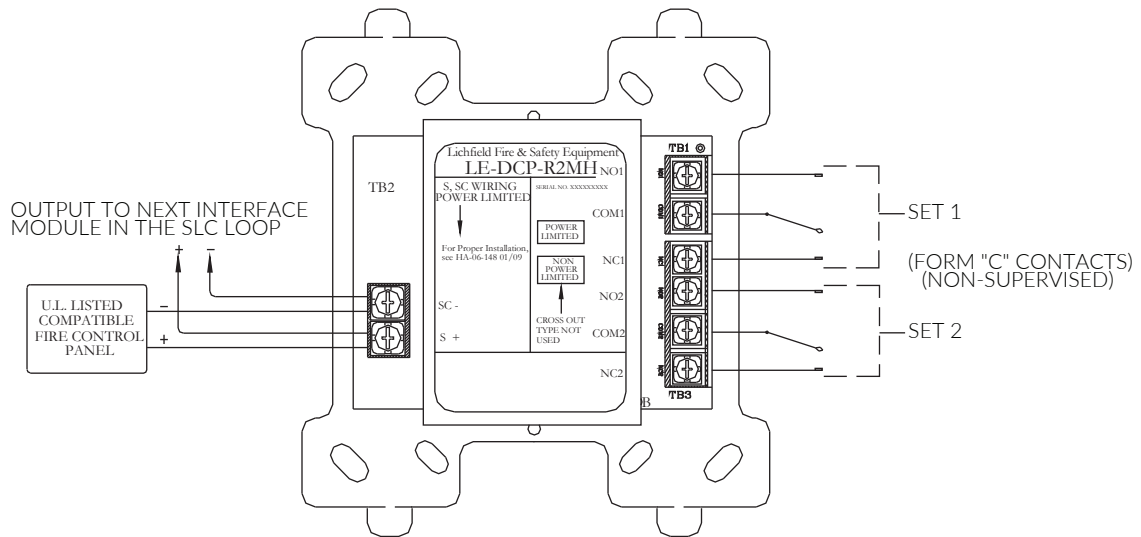


FIGURE 2.
WIRING DIAGRAM