DCP-R2ML/-I & DCP-R2MH/-I - DUAL RELAY MODULE

SPECIFICATIONS	
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

STANDARD FEATURES

- Provides two independently configurable Form C contacts per address
- Contacts are rated as follow:
  R2ML: 2A @ 30 VDC / 0.5A @ 120 VAC
  R2MH: 8A @ 30VDC / 4.8A @ 250 VAC
- Up to127 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 (R2ML-I & 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

PRODUCT LISTINGS

SIGNALING UL LISTED S5694

California State Fire Marshal 7300-0410:150

FM APPROVED 3036830

Specifications subject to change without notice.

DESCRIPTION

The Dual Relay Modules (R2ML/H Series) have been designed to provide flexibile and quick response to emergency conditions. The 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 R2ML/H Series module provides independent control of two Form C contacts while utilizing one SLC (Signaling Line Circuit) address. The 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 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 R2ML/H Series modules do the rest based on their custom configuration. Since mechanically latching relays are used within the R2ML/H Series modules, a separate 24VDC power source is not required.

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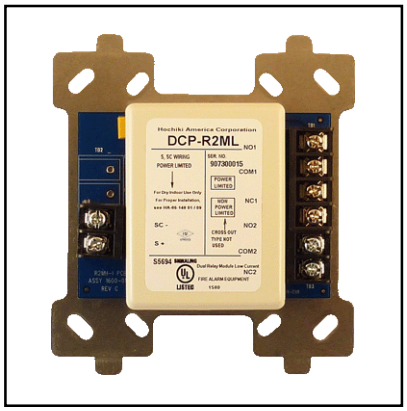
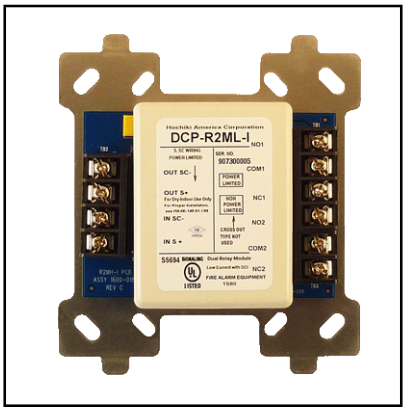
ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, the Hochiki DCP-R2ML/H Series addressable relay modules. The modules shall be UL listed compatible with Hochiki Digital Communications Protocol (DCP) supporting control panel loops. The relay module must provide two Form C dry contacts rated as follows: R2ML - 2A @ 30 VDC or 0.5A @ 120 VAC and 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. R2M-LI/-HI shall provide an SCI LED that is visible through the face plate.



Back side of R2ML



Back side of R2ML-I

WIRING DIAGRAM

SCI VERSION

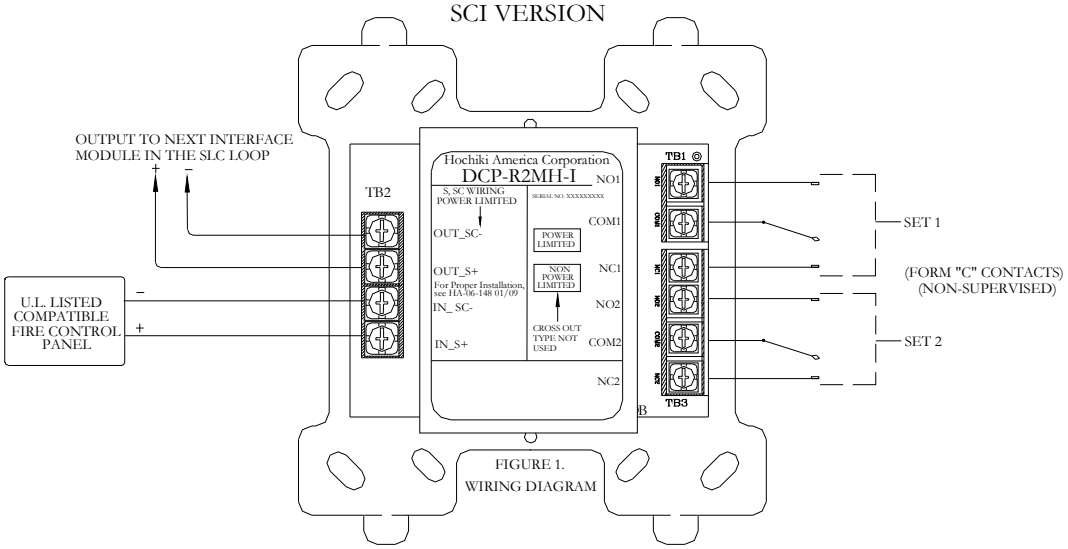


FIGURE 1.
WIRING DIAGRAM

NON-SCI VERSION

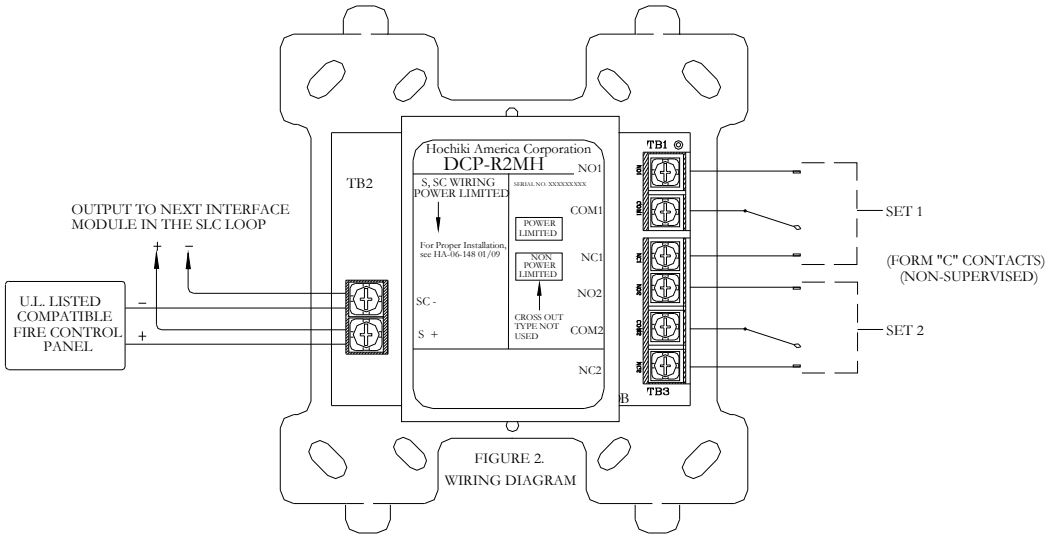


FIGURE 2.
WIRING DIAGRAM