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

## SPECIFICATIONS

| | |
|---|---|
| Supply Voltage (S-SC) | 25.3 ~ 39 VDC |
| Average Current Consumption | 350µA (Typical)<br>405µA (Alarm) |
| Contacts<br>R2ML<br>R2MH | 2 Independently Controlled Form C<br>2A @ 30VDC / 0.5A @ 120VAC<br>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. The LED can be latched on when activated. (For All Models)
- Yellow LED indicates a short circuit condition (R2ML-I & R2MH-I only)
- Operates on Class A or Class B SLC loop
- UL 864 Listed

## DESCRIPTION

The Dual Relay Modules (R2ML/H Series) have been designed to provide flexible 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. 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.

## PRODUCT LISTINGS

SIGNALING UL LISTED S5694

FM APPROVED 3036830

California State Fire Marshal 7300-0410:150

*Specifications subject to change without notice.*

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ISO 9001:2008 REGISTERED

Assembled in the USA

Find latest revision at **www.hochiki.com**

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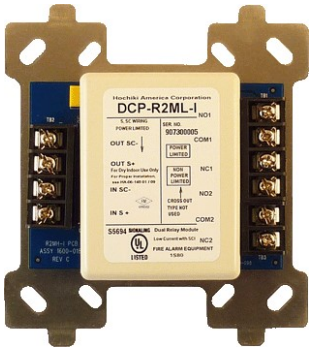
## ENGINEERING SPECIFICATIONS

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 DCP-R2ML




Back side of DCP-R2ML-I

## WIRING DIAGRAM