

R2M - DUAL RELAY MODULE



APPLICATION

The Dual Relay Module (R2M), has been designed to provide flexible and quick response to emergency conditions. The R2M 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.

STANDARD FEATURES

- Provides two independently configurable Form C contacts per address.
- Contacts are rated 1.0 Amps @ 30 VDC or 0.5 Amp @ 125 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.
- Programming is highly flexible providing 16 priority states plus zoning capability.

SPECIFICATIONS

Contacts:	2 Independently Controlled Form C
Contact Rating:	1A @ 30 VDC / 0.5A @ 125 VAC
Standby Current:	150 μ A Max.
Alarm Current:	150 μ A Max.
Dimensions:	4.2"W x 4.7"H x 1.4"D
Ambient Temperature:	32 $^{\circ}$ F (0 $^{\circ}$ C) ~ 120 $^{\circ}$ F (49 $^{\circ}$ C)
Humidity:	90% RH, Non-Condensing
Mounting:	4" square electrical box

OPERATION

Each R2M module provides independent control of two Form C contacts while utilizing one SLC (Signaling Line Circuit) address. The R2M module has a highly configurable programming algorithm that allows the user to setup groups of devices (zoning) for simultaneous operation of multiple R2M modules. Each module has 16 priority states that are programmed to generate modulation patterns. 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 common on the SLC loop and the R2M modules do the rest based on their custom configuration. Since mechanically latching relays are used within the R2M module, a separate power source is not required.

PRODUCT LISTINGS

Underwriters Laboratories: S5694
Underwriters Laboratories of Canada: CS943
CSFM #: 7300-0410:150
MEA Report # 284-91-E Vol. IV

Specifications subject to change without notice.

ENGINEERING SPECIFICATIONS

The contractor shall furnish and install where indicated on the plans, the Hochiki R2M addressable relay module. 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 at 1A @ 30 VDC or 0.5A @ 125 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.



Back side of a R2M

WIRING DIAGRAM

