

Addressable Dual Relay Output Module FWC-FSLC-RM2

FEATURES:

- UL 864 9th Edition Listed
- Provides two independently configurable Form C contacts per address
- Contacts are rated 1.0A @ 30VDC or 0.5A @ 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

DESCRIPTION:

The FWC-FSLC-RM2 Dual Relay Output Module has been designed to provide flexible and quick response to emergency conditions. The FWC-FSLC-RM2 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 FSLC-RM2 module provides independent control of two Form C contacts while utilizing one SLC (Signaling Line Circuit) address. The FWC-FSLC-RM2 module has a highly configurable programming algorithm that allows the user to setup groups of devices (zoning) for simultaneous operation of multiple FWC-FSLC-RM2 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 FWC-FSLC-RM2 modules do the rest based on their custom configuration. Since mechanically latching relays are used within the FWC-FSLC-RM2 module, a separate 24VDC power source is not required.



LISTINGS:

- UL864 9th Edition: Commercial Fire
- NFPA 72 National Fire Alarm Code
- CSFM: California State Fire Marshall
- NYCFD: NYC Fire Department

SPECIFICATION:

The contractor shall furnish and install where indicated on the plans, the Napco FWC-FSLC-RM2 addressable relay module. The modules shall be UL Listed compatible with SLC communications protocol-supported control panel loops. The relay module must provide two Form C dry contacts rated at 1A @ 30VDC or 0.5A @ 125VAC. The relay module must be suitable for mounting in a standard 4" square electrical box or double gang box.

The relay module must provide a bi-colored LED for indication of status.

SPECIFICATIONS	
SLC Applied Voltage	Rated Range 25.3 - 39 VDC
SLC Current Consumption	390µA Nominal, 400µA Maximum
Relay Contact Ratings	1A @ 30VDC Power Factor 0.35 or 0.5A @ 120VAC Power Factor 0.35
Visual Indicator	Bi-Color LED (green/red)
Operating Temperature	32°F to 120°F (0°C to 49°C) Indoor Use Only
Storage Temperature Range	-22°F to 158°F (-30°C to 70°C)
Maximum Relative Humidity	Up to 90% RH Non-Condensing
Dimensions	4.2"W x 4.7"H x .85"D
Weight	Approx. 3 oz.

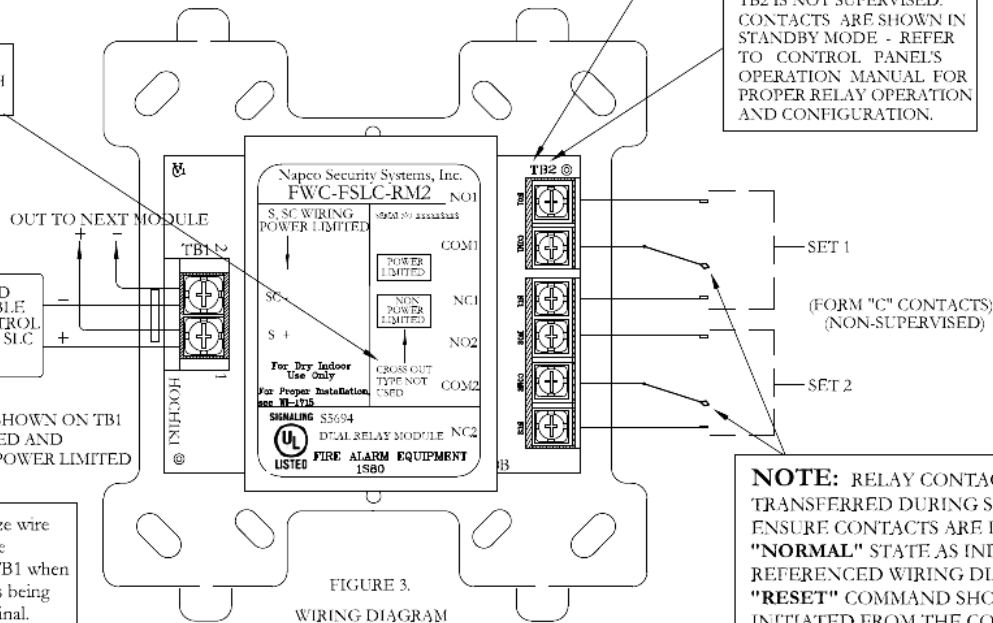
Note: SLC circuit is in reference to S, and SC

CROSS OUT TYPE OF WIRING NOT USED WITH A PERMANENT MARK

UL LISTED COMPATIBLE FIRE CONTROL PANEL OR SLC MODULE

ALL WIRING SHOWN ON TB1 IS SUPERVISED AND INHERENTLY POWER LIMITED

NOTE: Only the same size wire from 12 to 22 AWG may be connected terminal block TB1 when more than one conductor is being connected under each terminal. Maximum of 2 conductor per terminal.



INPUTS TO BOTH SETS OF FORM "C" CONTACTS MUST BE EITHER POWER LIMITED OR NON-POWER LIMITED. DO NOT MIX POWER LIMITED WIRING WITH NON-POWER LIMITED WIRING ON TB2.

ALL WIRING SHOWN ON TB2 IS NOT SUPERVISED. CONTACTS ARE SHOWN IN STANDBY MODE - REFER TO CONTROL PANEL'S OPERATION MANUAL FOR PROPER RELAY OPERATION AND CONFIGURATION.

NOTE: RELAY CONTACTS MAY HAVE TRANSFERRED DURING SHIPPING. TO ENSURE CONTACTS ARE IN CORRECT "NORMAL" STATE AS INDICATED IN REFERENCED WIRING DIAGRAM, A "RESET" COMMAND SHOULD BE INITIATED FROM THE CONTROL PANEL PRIOR TO CONNECTION OF CIRCUITS CONTROLLED BY THE MODULE.

FIGURE 3. WIRING DIAGRAM