

The information contained in this installation instruction is a quick reference guide. For detailed system information refer to the NAPCO control panel or SLC Module installation manual. This instruction will not address specific programming procedure.

### GENERAL DESCRIPTION

This instruction applies to the Dual Relay Module (FWC-FSLC-RM2-E) which is to be connected to NAPCO DCP Signaling Line Circuit (SLC). The FWC-FSLC-RM2-E provides two separately controlled sets of Form C dry relay contacts for general purpose control functions at one address point. Typical applications are where normally open or normally closed contacts are needed. Examples are: elevator recall, door closure, turning fans on or off, and auxiliary indications.

### MOUNTING REQUIREMENTS

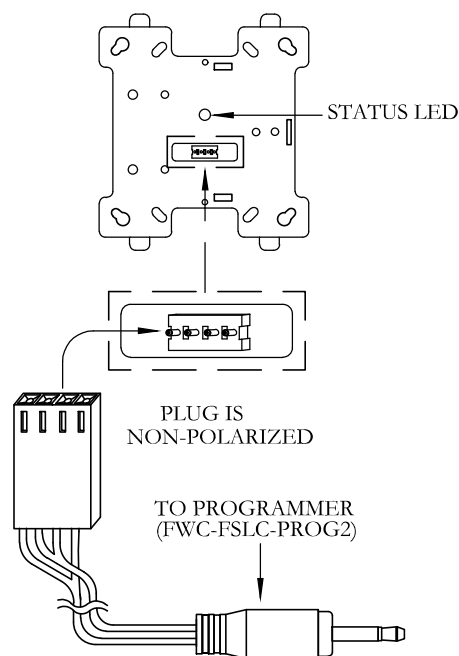
The Relay module is mounted as shown in Figures 2 and 2A on page 2 of this instruction.

### WIRING

**NOTE:** All wiring must conform to local codes, ordinances and regulations

- 1) Install module wiring in accordance with the job drawings and appropriate wiring diagram (see Fig.3).
- 2) Secure the module to a U.L. listed electrical box (supplied by installer), as shown in Figures 2 and 2A.
- 3) Address must be set before cover plate is attached with no loop power applied, or the loop wires disconnected (see Figure 1).

**NOTE:** An average of 6.75mA (communication current) per loop of SLC devices, must be factored into the panel battery backup calculations.



**FIGURE 1.**  
EXPLODED VIEW OF ADDRESS  
PROGRAMMING PLUG AND CONNECTOR

**CAUTION !!!**  
TO ENSURE PROPER  
OPERATION CONNECT THIS  
MODULE TO A COMPATIBLE  
FIRE CONTROL PANEL ONLY.  
REFER TO PANEL  
INSTRUCTIONS FOR PROPER  
CONNECTION AND  
COMPATIBILITY.

**CAUTION !!!**  
If this module will be installed in an existing  
operational system, inform the operator  
and local authority that the system will be  
temporarily out of service.  
Disconnect power to the control panel  
before installing the module

### SPECIFICATIONS

|                               |                                                                                                                              |
|-------------------------------|------------------------------------------------------------------------------------------------------------------------------|
| SLC Applied Voltage           | Rated Range 25.3 - 39 VDC                                                                                                    |
| SLC Current Consumption       | Maximum - 720µA                                                                                                              |
| Relay Contact Ratings         | 2A @ 30VDC 1PF OR 0.5A @ 120VAC 0.6PF                                                                                        |
| SCI Isolation Current         | N/A                                                                                                                          |
| Visual Indicator (status LED) | bi-color LED - Green and Red<br>Color and mode - selected and programmed by Control Panel's software (pulsing, steady, etc.) |
| Operating Temperature Range   | 0°C (32°F) ~ 49°C (120°F)                                                                                                    |
| Storage Temperature           | -30°C (-22°F) ~ 70°C (158°F)                                                                                                 |
| Maximum Relative Humidity     | Up to 90% RH non-condensing                                                                                                  |
| Environment                   | For Dry Indoor Use Only                                                                                                      |
| Dimensions                    | 4.2"W X 4.7"H X .85"D                                                                                                        |

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**UL File# S5694**

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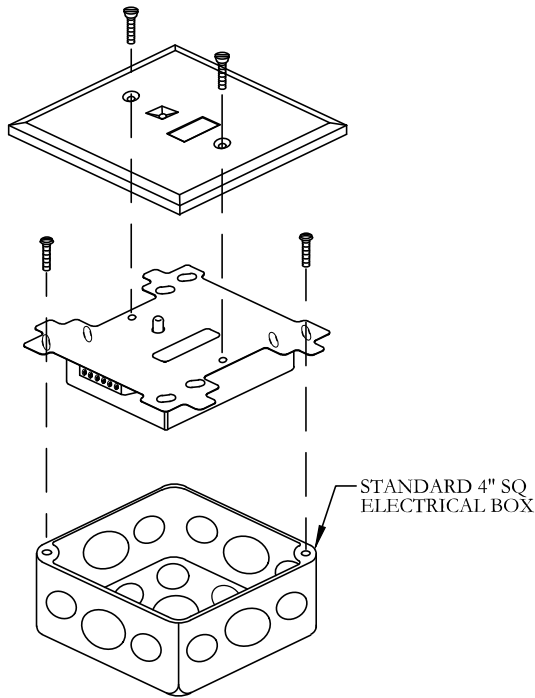


FIGURE 2

TYPICAL MOUNTING ARRANGEMENT WHEN POWER LIMITED WIRING IS ATTACHED TO RELAY TERMINALS

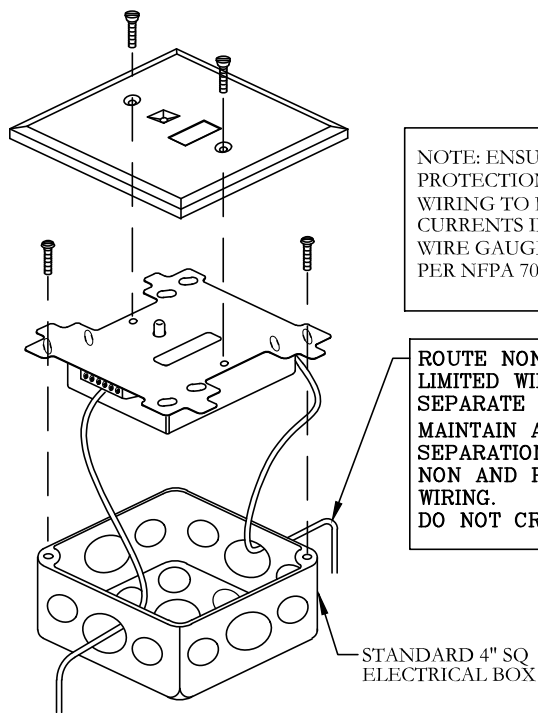


FIGURE 2A

TYPICAL MOUNTING ARRANGEMENT WHEN NON-POWER LIMITED WIRING IS ATTACHED TO RELAY TERMINALS

NOTE: ENSURE OVERCURRENT PROTECTION IS PROVIDED ON WIRING TO PREVENT FAULT CURRENTS IN EXCESS OF THE WIRE GAUGE CURRENT RATING PER NFPA 70 ARTICLE 240.

ROUTE NON-POWER LIMITED WIRING THROUGH SEPARATE KNOCKOUT. MAINTAIN AT LEAST  $\frac{1}{4}$  IN SEPARATION BETWEEN NON AND POWER LIMITED WIRING. DO NOT CROSS WIRING.

STANDARD 4" SQ ELECTRICAL BOX

STANDARD 4" SQ ELECTRICAL BOX

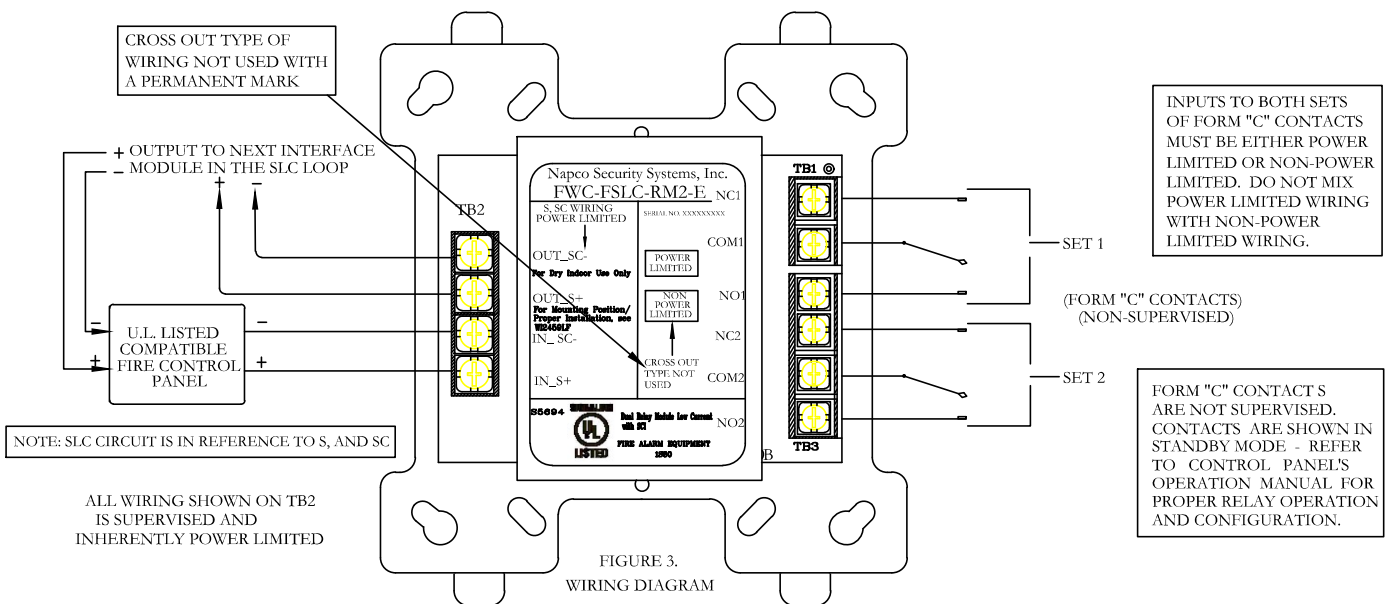


FIGURE 3.

WIRING DIAGRAM

**CAUTION !!!**  
TO ENSURE PROPER OPERATION CONNECT THIS MODULE TO A COMPATIBLE FIRE CONTROL PANEL ONLY. REFER TO PANEL INSTRUCTIONS FOR PROPER CONNECTION AND COMPATIBILITY.

**CAUTION !!!**  
If this module will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the module

**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.