

The information contained in this installation instruction is a quick reference guide. For detailed system information refer to the NAPCO's 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) which is to be connected to NAPCO DCP Signaling Line Circuit (SLC). The FWC-FSLC-RM2 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).

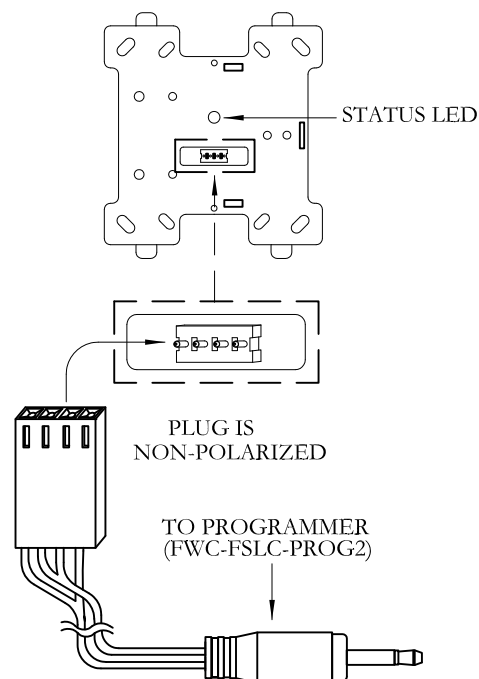


FIGURE 1.
EXPLODED VIEW OF ADDRESS
PROGRAMMING PLUG AND CONNECTOR

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

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 400µA Nominal 390µA
Relay Contact Ratings	1A @ 30VDC Power Factor 0.35 or 0.5A @ 120VAC Power Factor 0.35
Visual Indicator (Status LED)	bi-color LED – Green & Red Color & Mode – Selected and Programmed by Control Panel's software
Operating Temperature Range	0°C (32°F) ~ 49°C (120°F)
Storage Temperature Range	-30°C (-22°F) ~ 70°C (158°F)
Maximum Relative Humidity	Up to 90% RH non-condensing
Environment	Indoor dry use only
Dimensions	4.2"W X 4.7"H X .85"D
Weight	Approximately 3.0 ounces

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UL File# S5694

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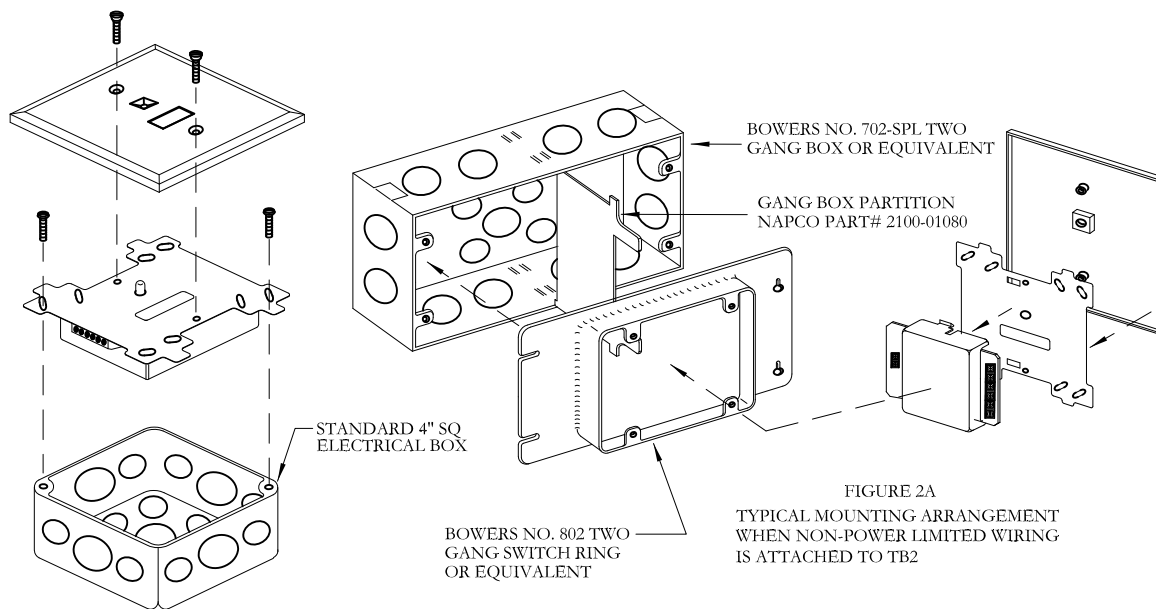


FIGURE 2

TYPICAL MOUNTING ARRANGEMENT
WHEN POWER LIMITED WIRING IS
ATTACHED TO TB2

FIGURE 2A

TYPICAL MOUNTING ARRANGEMENT
WHEN NON-POWER LIMITED WIRING
IS ATTACHED TO TB2

Note: SLC circuit is in reference to S₁ and SC

CROSS OUT TYPE OF
WIRING NOT USED WITH
A PERMANENT MARK

U.L. 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.

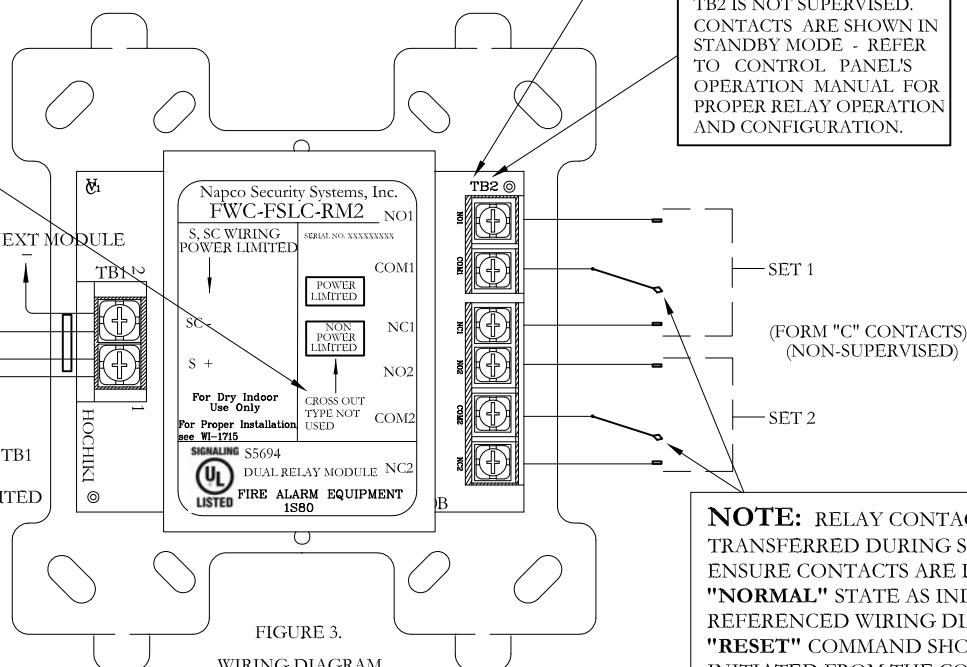


FIGURE 3.

WIRING DIAGRAM

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.