

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 procedures.

GENERAL DESCRIPTION

This instruction applies to the Supervised Output Module (FWC-FSLC-SOM1-E) which is to be connected to NAPCO DCP Signaling Line Circuit (SLC). Typical applications are supervised 24VDC to output to audible and visual fire alarm indicating devices such as horns, bells, strobes, etc. Indicating device output provides supervision for open and short circuit conditions. Uses auxiliary power input for device operation and for powering signaling devices.

MOUNTING REQUIREMENTS

The Supervised Output module is mounted as shown in Figure 2 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 Figure 2.
- 3) Address must be set before cover plate is attached (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.

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.

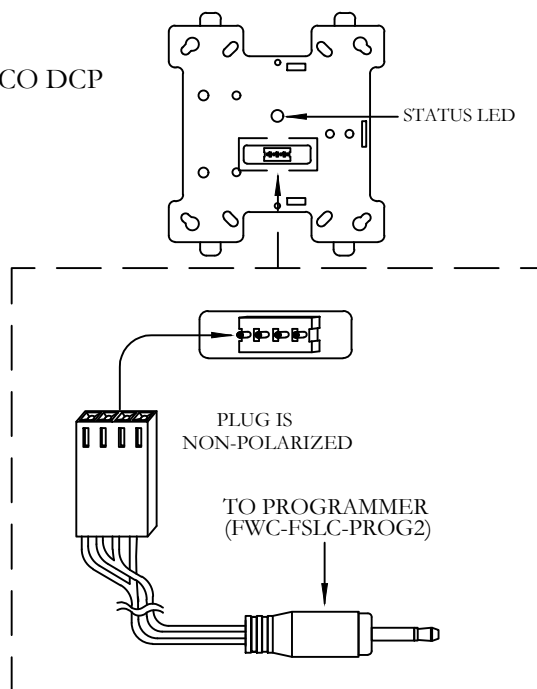


FIGURE 1.

EXPLODED VIEW OF ADDRESS
PROGRAMMING PLUG AND CONNECTOR

SPECIFICATIONS

SLC Applied Voltage	Rated Range 25.3 ~ 39 VDC
SLC Current Consumption	Maximum 6mA: Red Alarm Light On Nominal 220µA (Typical)
Auxiliary Applied Voltage	Rated 24VDC
24VDC Auxiliary Current Consumption	50µA (Typical)
Maximum Output Current (OUT+/OUT-, IN+/IN-)	2A @ 24VDC
EOL Device for OUT+ & OUT-	NAPCO EOL Part No. 0400-02350 10KΩ
SCI On Resistance	60mΩ Maximum (Normal Condition)
SCI Fault Detection Threshold	12 Volts (Typical)
SCI Isolation Current (Short Circuit Condition)	10mA (Typical)
Maximum Quantity Per Loop	127
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	-30°C (-22°F) ~ 70°C (158°F)
Max. 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	Aproximately 3.0 ounces

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Napco Security Systems, Inc.
333 Bayview Avenue * Amityville, NY 11701
Phone: (800) 645-9445 (631) 842-9400 Fax: (631) 789-3383

UL File# S5694

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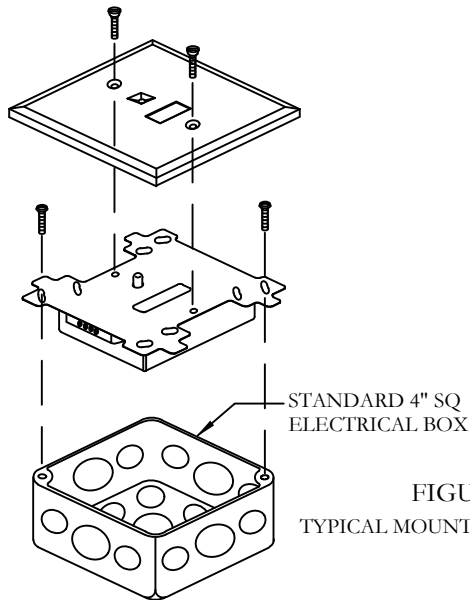


FIGURE 2
TYPICAL MOUNTING ARRANGEMENT

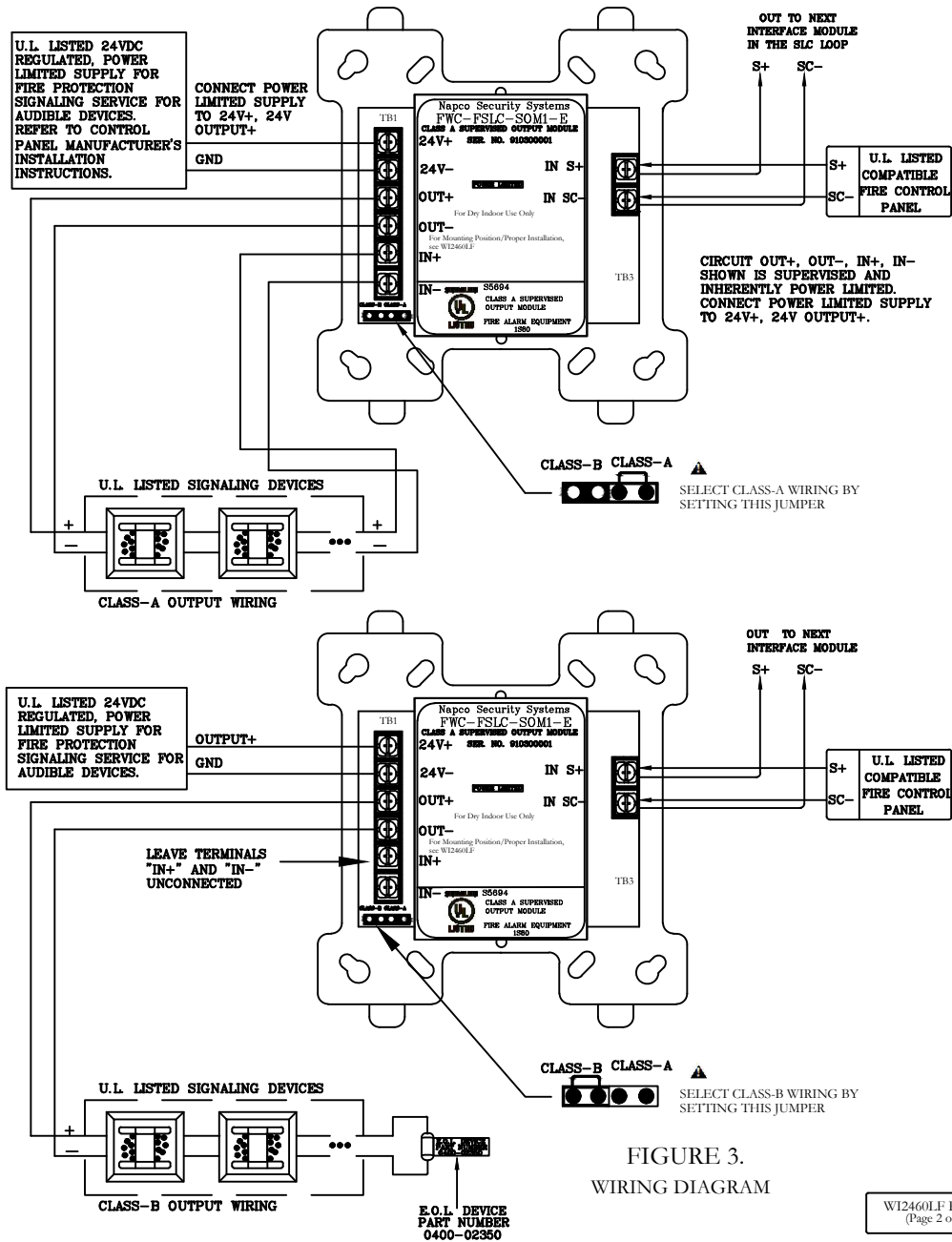


FIGURE 3.
WIRING DIAGRAM