

LCD-SLP

Liquid Crystal Display-Smart Loop Panel

Product Installation Document



CAUTION 1: STATIC SENSITIVE EQUIPMENT:

THIS EQUIPMENT IS SENSITIVE TO STATIC ELECTRICITY. IT MAY BE DAMAGED IF NOT PROPERLY HANDLED. TRANSPORT AND STORE THIS UNIT IN A STATIC-SHIELDING BAG. FAILURE TO OBSERVE THIS REQUIREMENT COULD CAUSE LATENT DAMAGE TO THE EQUIPMENT WHICH MIGHT NOT MANIFEST ITSELF UNTIL AFTER THE EQUIPMENT IS PLACED IN SERVICE.



CAUTION 2: DISCONNECT ALL POWER:

REMOVE ALL SOURCES OF POWER BEFORE SERVICING, REMOVING OR INSTALLING ANY UNITS.

Section 1: Description

The LCD-SLP (Liquid Crystal Display-Smart Loop Panel) is a 4.3”(10.92 cm) diagonal, 480 x 272 pixels, color touchscreen interface that consists of system events including indicating LEDs and control switches. It may be remotely located via a local RS-485 serial interface. The LCD-SLP display is a remote annunciator that is compatible with the following system, modules.

- S3 Series, SLP-E3
- E3 Series®, ILI-MB-E3
- E3 Series, ILI95-MB-E3
- (Smart Loop Panel-Main Board)
- (Intelligent Loop Interface-Main Board)
- (Intelligent Loop Interface95-Main Board)

The SLP-E3, ILI-MB-E3 and ILI95-MB-E3 modules support up to 15 fully-functional and supervised LCD-SLP color touchscreen interfaces.



NOTE: E3 RELEASING PANEL OPERATOR INTERFACE INSTALLATION REQUIREMENTS:

The LCD-SLP display panel includes optional audio/visual signaling capabilities for the E3 Series Releasing application. The E3 Releasing application contains an RS-485 circuit to support the connection of up to fifteen LCD-SLP displays. In CAMWorks, you must configure at least one LCD-SLP as a Releasing panel operator interface.

Firmware Compatibility

Table 1.1 lists the Firmware Compatibility for the LCD-SLP touchscreen..

CAMWorks Firmware Version	ILI-MB-E3 First Generation	ILI-MB-E3 Second Generation	SLP-E3 Firmware Version	LCD-SLP Firmware Version
Minimum Firmware Version				
CAMWorks Version 3.40 or later.	Firmware Version 3.3 or later. Water release only.	Firmware Version 4.3 or later.	Firmware Version 1.21 or later.	Firmware Version 2.10 or later.
UL 864 10th Edition Standard				
For UL 864 10th Edition compliance, use, use Firmware Version 3.52 or later.	For UL 864 10th Edition compliance, use Firmware Version 4.10 or later.	For UL 864 10th Edition compliance, use Firmware Version 4.10 or later.	For UL 864 10th Edition compliance, use Firmware Version 1.21 or later.	For UL 864 10th Edition compliance, use Firmware Version 2.12 or later.

Table 1.1 Firmware Versions

Figure 1.1 illustrates the LCD-SLP touchscreen.



Figure 1.1 LCD-SLP Panel Display

Section 1: Installation

2.1 Standards

The LCD-SLP module complies and is intended to be installed in accordance with the following Standards:

National Fire Protection Association

- AHJ Authority Having Jurisdiction
- NFPA 72 National Fire Alarm Code
- NFPA 70 National Electrical Code
- NFPA 101 Life Safety Code

UL Standards, UL 864 9th and 10th Edition

- Per the UL Continuing Certification Program, UL 864 9th edition fire alarm control equipment will retain certification after the rollout of UL 10th edition (12/2/2018).
- Installations of UL 864 10th Edition certified equipment are permitted to use UL864 9th Edition certified equipment when approved by the local Authority Having Jurisdiction (AHJ).

For product compliance, refer to the UL listing cards located on the UL online certification directory.
<https://iq.ulprospector.com>

2.2 Installation Requirements

Installers must be Gamewell-FCI Factory Certified to program this product. For additional information on this product, contact the Gamewell-FCI Customer Support to schedule Factory Certified Training.

All components of the S3 Series and E3 Series Systems should be installed per the following requirements:

- Installations are to be indoors only, in dry locations, protected from rain, water, and rapid changes in temperature that could cause condensation. Equipment must be securely mounted on rigid, permanent walls.
- Operating temperature shall not exceed the range of 32° to 120° F (0 to 49° C).
- Operating humidity not to exceed 93% non-condensing at 90° F (32° C).
- There should be adequate space around the installation to allow easy access for operation and servicing.
- All sub-assemblies and components are to be located in compliance with local, national codes and the manufacturer's recommendations.
- All installation field wiring shall be in compliance with local and national codes.



NOTE: COLD WATER/EARTH GROUND STANDARD:

All modules must be connected to an earth ground connection. Failure to make a proper earth ground connection from a metallic cold water pipe or driven ground rod will result in loss of surge protection, reduce the tolerance of the system to transients, and will adversely affect the operation of the system. Panel neutral or conduit ground is not acceptable; minimum wire size is 14 AWG.

2.3 LCD-SLP Assembly Installation Options

Table 2.3.1 lists the systems, cabinets, and mounting plates that use the LCD-SLP.

System Cabinets, Inner/Outer Doors	Part Number	Cabinet Dimensions	Figure that shows the Installation Assembly
S3 Series Cabinets			
SLP-BB Cabinet, B Cabinet	SLP-BB	14.9"W x 21.5"H x 4.5"D	Figure 2.6.1.1
S3 Series, B-Size Cabinet	E3BB-BB/RB	19 3/8"W x 19 3/8"H x 4.5"D	Figure 2.6.2.1
E3 Series Inner Doors and Plates			
Cabinet A2 Inner Door	E3BB-BA2	CAB A2: 13 1/4"W x 10"H x 4.1/2"D	Figure 2.7.1.1.1
E3BB-FLUSH-LCD CabA2 Front Cover	E3BB-FLUSH-LCD	CAB A2" 13 1/4"W x 10"H x 4.1/2"D	Figure 2.7.1.2.1
CAB AA 2-Bay Inner Door	E3BB-BAA	CAB AA: 19 1/4"W x 10"H x 4.5"D	Figure 2.7.1.3.1
CAB B Inner Door	E3ID2-B	CAB B: 19 3/8"W x 19 3/8"H x 4.5"D	Figure 2.7.2.1
CAB C INCC-E3 Plate, 7-Bay Inner Door	E3ID2-C	CAB C: 19 3/8"W x 30"H x 4.5"D	Figure 2.7.3.1
CAB D INCC CAB-D 13-Bay Inner Door	E3ID2-D	CAB D: 19 3/8"W x 41"H x 4.5"D	Figure 2.7.4.1
Retrofit Cabinets			
B-Slim Cab Outer Door	E3BB-RBSLIM	B-SLIM: 14"W x 20"H x 4.5"D	Figure 2.8.1.1
600XL Retrofit Inner Door	IF600-RETROFIT	600XL: 30"W x 22"H x 5.5"D	Figure 2.8.2.1
7200 Cab-B Retrofit Inner Door	7200-B-RETROFIT	7200 CAB B:21"W x 28.5"H x 4"D	Figure 2.8.3.1
7200 Cab-C Retrofit Inner Door	7200-C-RETROFIT	7200 CAB C:21"W x 38"H x 4"D	Figure 2.8.4.1

Table 2.3.1 LCD-SLP Assembly Installation Options

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2.4 Circuit Ratings and Specifications

Table 2.4.1 lists the LCD-SLP circuit ratings and specifications.

Specifications	LCD-SLP
Operating Voltage:	+24 VDC
Operating Current:	0.030 A
Alarm Current:	0.065 A
Ground fault test impedance:	Zero Ohms
Impedance values and ground faults are annunciated:	GND Fault LED or LCD-SLP
Relative Humidity:	0 to 93%, non-condensing at 90° F (32° C)
Operating Temperature:	32° to 120° F (0° to 49° C)
Circuit Supervision:	Supervised
Circuit Class 2 Power-Limited:	

Table 2.4.1 Circuit Ratings and Specifications

2.5 LCD-SLP Installation

1. Remove the unit from its static-shield bag, observing proper static protection measures.
2. Visually inspect the unit for damage.

If any components are damaged, notify the shipping carrier immediately. Report missing components to the Gamewell-FCI Customer Service.

3. Use the Hardware Kit provided with the unit.
4. The LCD-SLP is installed in the S3 Series, SLP-BB cabinet and E3 Series cabinets.

To determine the installation that you require, refer to the following documents and Section 2.6 thru Section 2.8.

– *S3 Series (Small Addressable Fire Alarm Control Panel), UL Listing Document, P/N: LS10005-051GF-E*

Figure 2.5.1 illustrates the LCD-SLP installed in the S3 Series, SLP-BB cabinet.

Figure 2.5.2 illustrates the LCD-SLP installed in the E3 Series, Cabinet B.

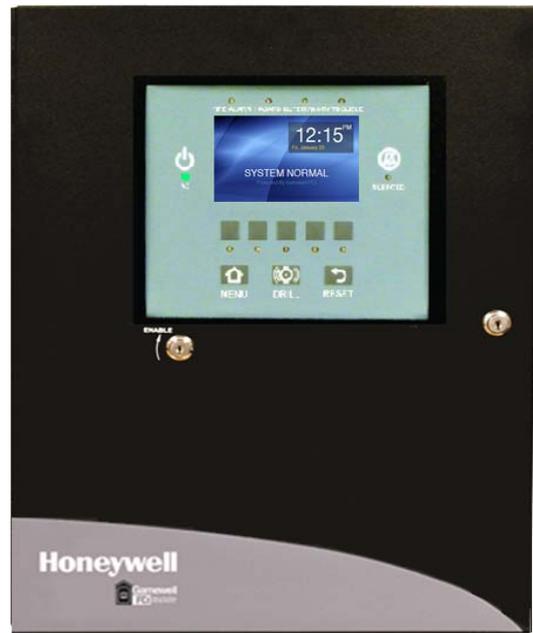


Figure 2.5.1 LCD-SLP Installed in an SLP-BB Cabinet Figure 2.5.2 LCD-SLP Installed in E3 Series Cabinet B

2.6 LCD-SLP Installed in an S3 Series, Cabinet Configuration

The SLP- BB cabinet is shipped with the LCD-SLP touchscreen pre-assembled to the inner door. To install the LCD-SLP touchscreen to the window space on the outer door or the inner door, refer to the following instructions.

2.6.1 LCD-SLP Installed to the SLP-BB Cabinet Outer Door

1. Insert the keyswitch to the outer door and secure with one nut ($3/4"$ x 24 THD HEX) as shown in Location 1 of the figure below.
2. Mount the LCD-SLP to the inside window of the outer door. Insert and secure four nuts (#6-32 HEX KEPS) into the four-hole mounting pattern of the window as shown in Location 2 of the figure below.
3. Plug-in the keyswitch cable to the J6 jumper on the LCD-SLP as shown in Location 3 of the figure below. Refer to Note 1 on the LCD-SLP Wiring Diagram in Figure 3.2.1.

Figure 2.6.1.1 illustrates the LCD-SLP touchscreen installed to the outer door.

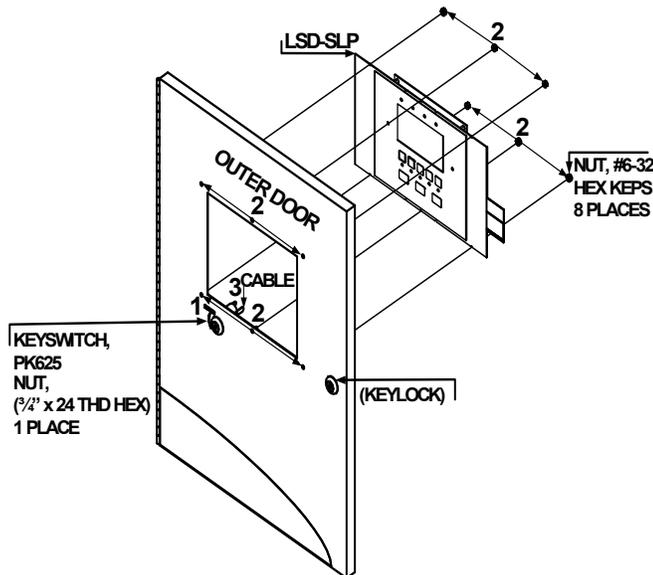


Figure 2.6.1.1 LCD-SLP to S3 Outer Door Installation

2.6.2 LCD-SLP Installed to the S3 Series, Cabinet B Inner Door

1. Mount the LCD-SLP keypad to the inner door and secure with eight nuts (#6-32) into the eight-hole mounting pattern as shown in Location 1 of the figure below.

Figure 2.6.2.1 illustrates the LCD-SLP touchscreen installed to the inner door.

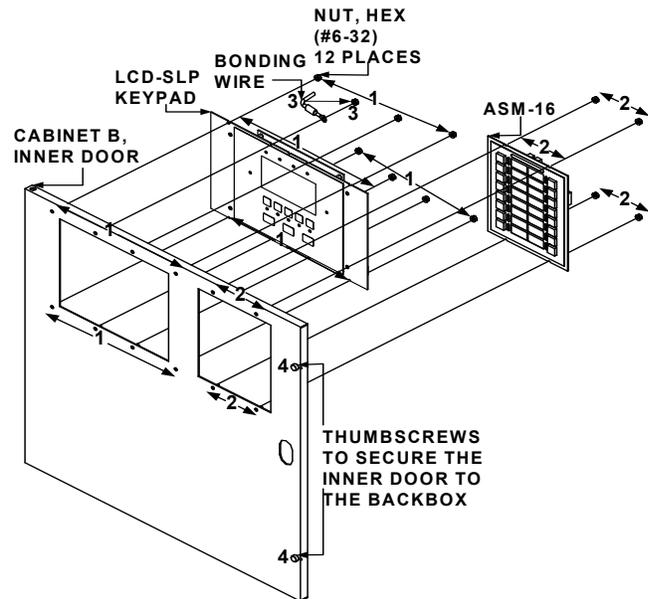


Figure 2.6.2.1 LCS-SLP to the Cabinet B Inner Door Installation

2.7 LCD-SLP Installed in an E3 Series, Cabinet Configuration

The LCD-SLP touchscreen can be installed in the several E3 Cabinets. To install the LCD-SLP touchscreen to the window space on the inner door, refer to the following instructions.

2.7.1 LCD-SLP Installed in E3 Series Cabinet A2 and AA

2.7.1.1 LCD-SLP Installed to the CAB A2 Inner Door

1. Mount the LCD-SLP keypad to the inner door and secure with four, #6-32 nuts in the four-hole mounting pattern as shown in Location 1 of the figure below.

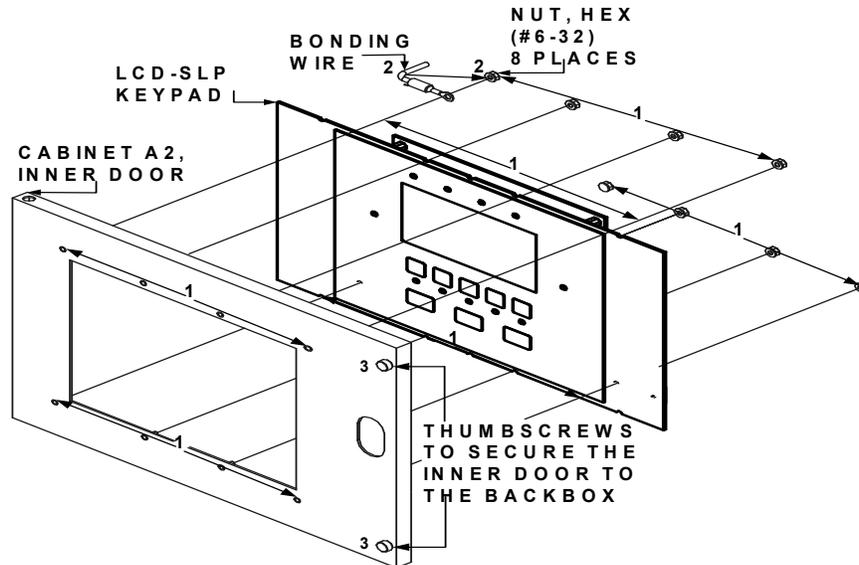


Figure 2.7.1.1.1 LCD-SLP Installed in an E3 Series Cabinet A2 and AA

2.7.1.2 LCD-SLP Installed to the E3BB-FLUSH-LCD Front Cover

1. Insert the keyswitch to the E3BB-FLUSH-LCD Flush Mount Front Cover. Insert and secure one nut (3/4-24 THD Hex) as shown in Location 1 of the figure below.
2. Attach the keyswitch cable to the key as shown in Location 2 of the figure below.
3. Mount the LCD-SLP keypad to the E3BB-FLUSH-LCD Flush Mount Front Cover. Insert and secure eight nuts (#6-32, Hex Kep) into the eight-hole mounting pattern as shown in Location 3 of the figure below.
4. Plug-in the keyswitch cable to the J6 jumper on the LCD-SLP touchscreen as shown in Location 4 of the figure below. (For information on the location of the J6 jumper on the LCD-SLP touchscreen, refer to Note 1 on the LCD-SLP Wiring Diagram in Section 3.1).
5. Attach the E3BB-FLUSH-LCD Flush Mount Front Cover to the Backbox. Insert and secure eight screws (#6-32 x 3/8" PHBHD, BLK) into the eight-hole mounting pattern as shown in Location 5 of the figure below.

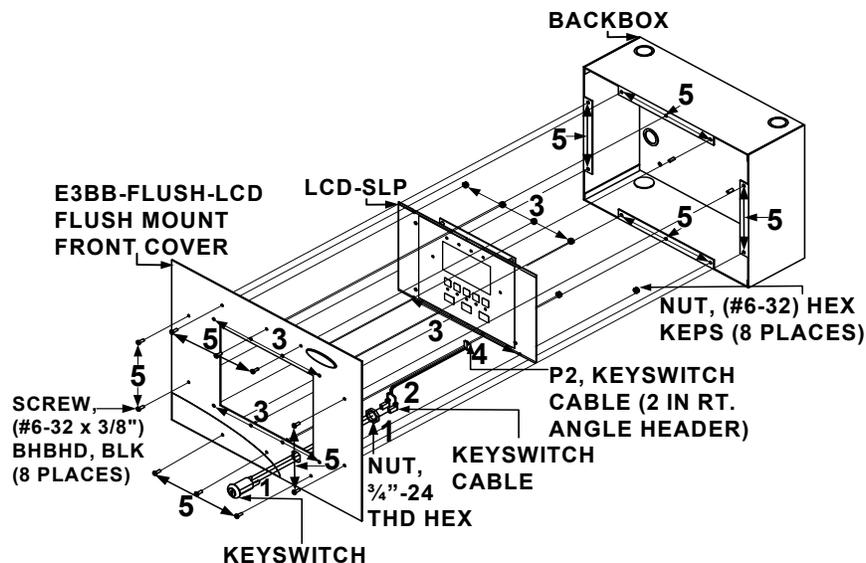


Figure 2.7.1.2.1 LCD-SLP Installed in an E3BB-FLUSH-LCD

2.7.1.3 LCD-SLP Installed to the Cabinet AA 2-Bay Inner Door

1. Mount the LCD-SLP keypad to the inner door. Insert and secure eight nuts (#6-32) into the eight-hole mounting pattern as shown in Location 1 of the figure below.

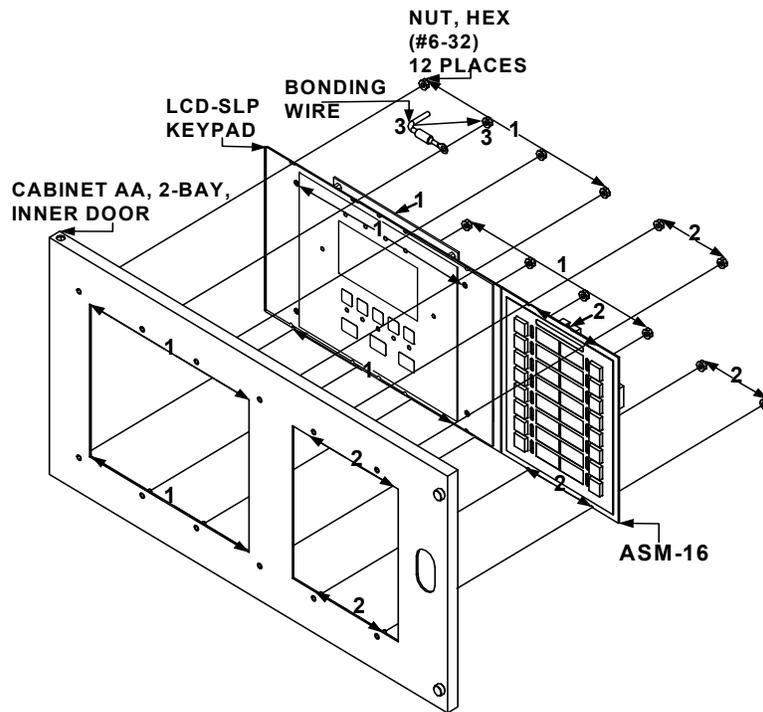


Figure 2.7.1.3.1 LCD-SLP Installed to the Cabinet AA, 2-Bay Inner Door

2.7.2 LCD-SLP Installed to the E3 Series, Cabinet B Inner Door

1. Mount the LCD-SLP keypad to the inner door. Insert and secure eight nuts into the eight-hole mounting pattern as shown in Location 1 of the figure below.

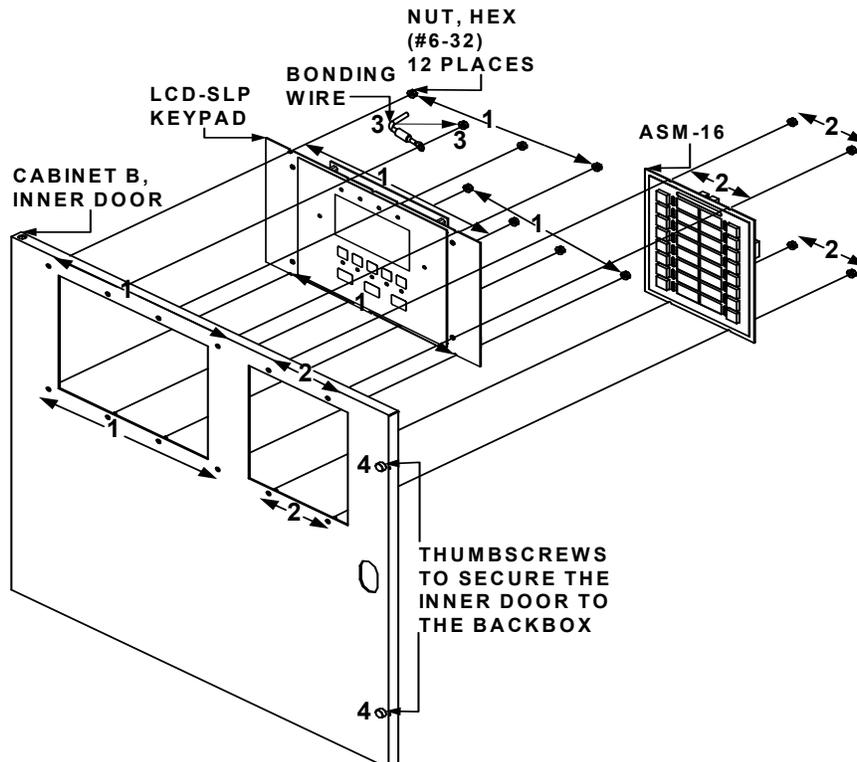


Figure 2.7.2.1 LCD-SLP Installed to the Cabinet B Inner Door

2.7.3 LCD-SLP Installed to a Cabinet C, INCC-E3 7-Bay Inner Door

1. Mount the LCD-SLP keypad to the Cabinet C, INCC-E3, 7-bay inner door. Insert and secure six nuts (#6-32) into the six-hole mounting pattern as shown in Location 1 of the figure below.

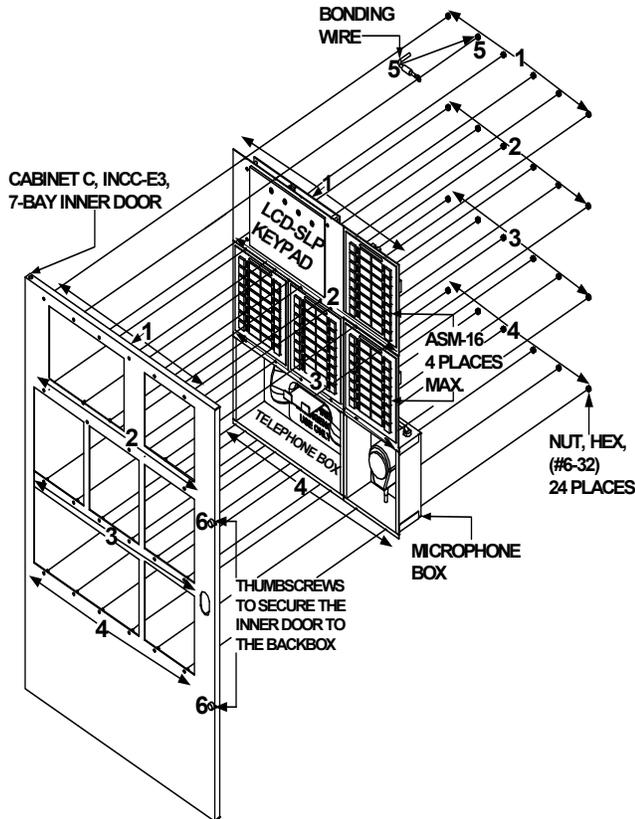


Figure 2.7.3.1 LCD-SLP Installed in a Cabinet C Inner Door

2.7.4 LCD-SLP Installed to a Cabinet D Inner Door

1. Mount the LCD-SLP keypad to the Cabinet D, 13-bay inner door. Insert and secure six nuts (#6-32) into the six-hole mounting pattern as shown in Location 1 of the figure below.

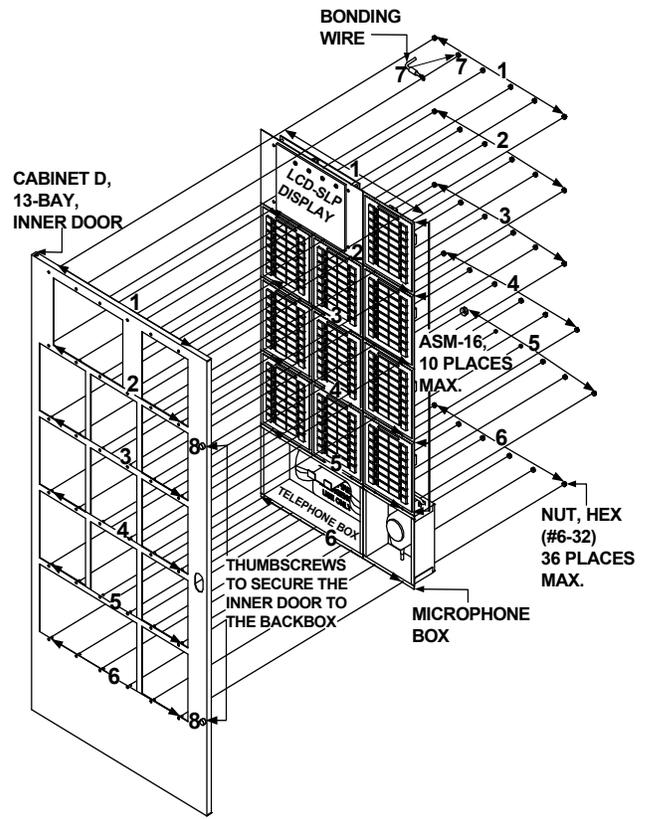


Figure 2.7.4.1 LCD-SLP Installed in a Cabinet D Inner Door

2.8 LCD-SLP Installation in a Retrofit Cabinet Configuration

2.8.1 LCD-SLP Installed to a B-Slim Cabinet Outer Door

1. Insert the keyswitch to the LCD-E3 Mounting Plate. Insert and secure one nut, (3/4" x 24 THD HEX) as shown in Location 1 of the figure below.
2. Attach the keyswitch cable to the key as shown in Location 2 of the figure below.
3. Mount the LCD-SLP keypad to the pins on the LCD-E3 Mounting Plate. Insert and secure eight, nuts (#6-32 HEX KEPS) into the eight-hole mounting pattern as shown in Location 3 of the figure below.
4. Plug-in the keyswitch cable to the J6 jumper on the LCD-SLP keypad as shown in Location 4 of the figure below.
(For information on the location of the J6 jumper on the LCD-SLP panel, refer to Note 1 on the LCD-SLP Wiring Diagram in Figure 3.2.1.1 and Figure 3.2.2.1).
5. Mount the LCD-E3 Mounting Plate to the outer door. Insert and secure four nuts (#6-32, HEX KEP) into the four-hole mounting pattern as shown in Location 5 of the figure below.

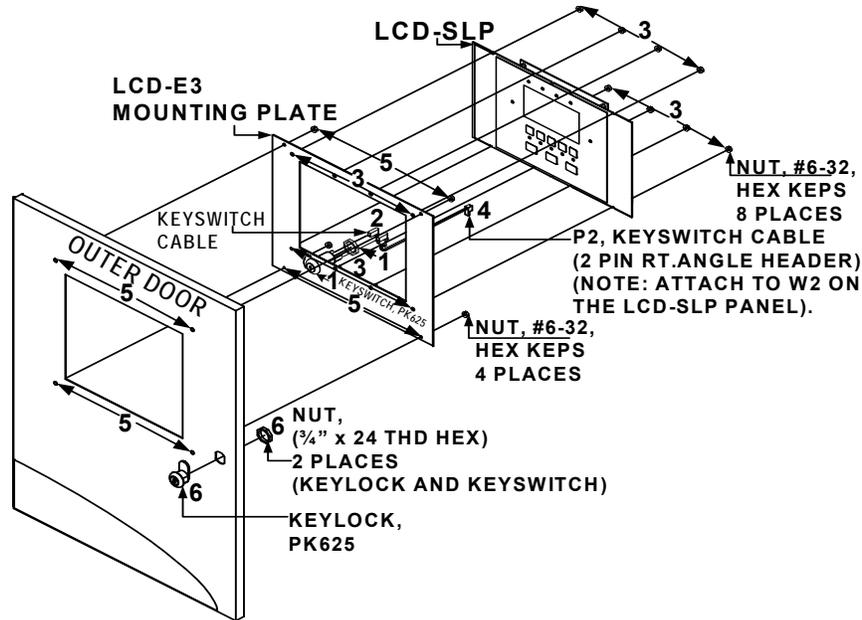


Figure 2.8.1.1 LCD-SLP Installed to a B-Slim Cabinet Outer Door

2.8.2 LCD-SLP Installed to a 600XL Retrofit Display Inner Door

1. Insert the keyswitch snap-in plug into the keyhole in the LCD-E3 Mounting Plate as shown in Location 1 of the figure below.
2. Mount the LCD-SLP keypad to the pins on the LCD-E3 Mounting Plate. Insert and secure eight nuts (#6-32 HEX KEPS) into the eight-hole mounting pattern as shown in Location 2 of the figure below.
3. Mount the LCD-E3 Mounting Plate to the 600XL Retrofit Display inner door. Insert and secure four nuts (#6-32, HEX KEPS) into the four-hole mounting pattern as shown in Location 3 of the figure below.

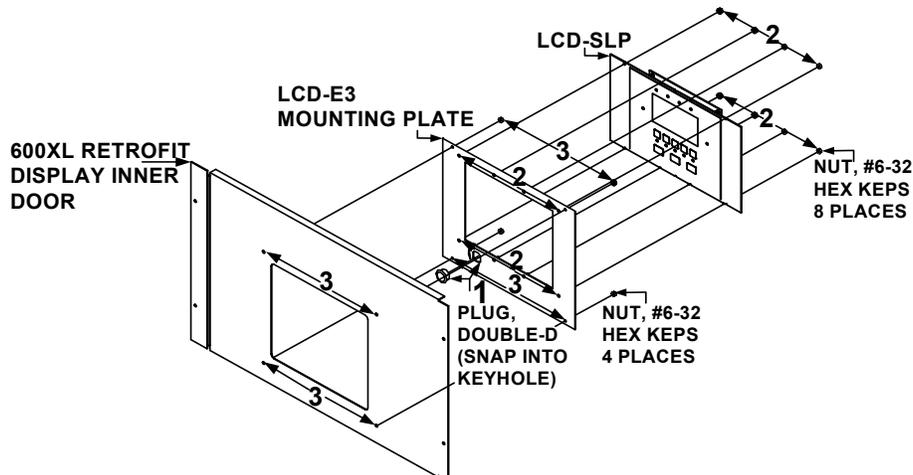


Figure 2.8.2.1 LCD-SLP Installed to a 600XL Retrofit Display Inner Door

Section 3: Wiring

3.1 LCD-SLP Wiring Requirements

Table 3.1.1 lists the LCD-SLP wiring requirements.

Circuit Type	Circuit Function	Wire Requirements	Distance	Typical Wire Type
RS-485 (Class 2 Power-Limited)	Connects to the LCD-E3, LCD-SLP, ASM-16 and ANU-48 modules.	Twisted-unshielded pair with a characteristic impedance of 120 Ohms. 18 AWG (0.78 mm ²) minimum.	3,000 ft. (.914 m) (maximum)	16 AWG (1.30 mm ²)

Table 3.1.1 LCD-SLP Wiring Requirements

3.2 LCD-SLP Wiring Connections

Figure 3.2.1 illustrates the LCD-SLP circuit board diagram.

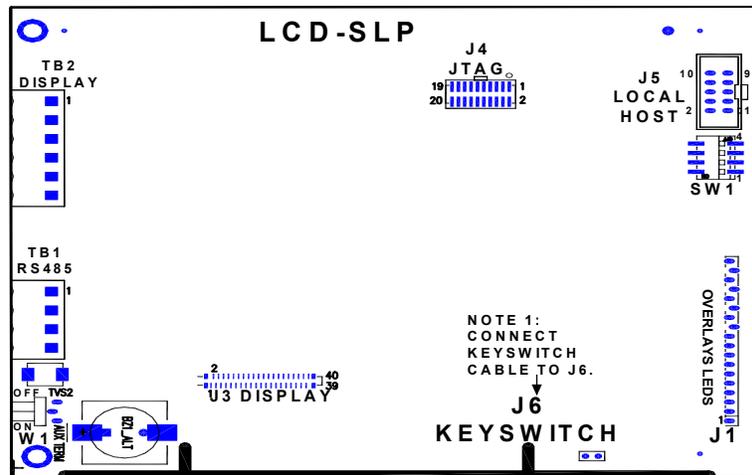


Figure 3.2.1 LCD-SLP Circuit Board Diagram

Table 3.2.1 lists the LCD-SLP installation wiring terminals.

Designation	Description	Comments
TB1-1	RS-485 COMM A	Communications IN (See Notes 1 and 2)
TB1-2	RS-485 COMM B	Communications IN (See Notes 1 and 2)
TB1-3	RS-485 COMM A	Communications OUT (See Note 3)
TB1-4	RS-485 COMM B	Communications OUT (See Note 3)
TB2-1	+24 V	+24 V non-resettable power IN (See Notes 1 and 2)
TB2-2	GND IN	GROUND IN (See Notes 1 and 2)
TB2-3	+24 V OUT	+24 V non-resettable power OUT (See Note 2)
TB2-4	GND OUT	GROUND OUT (See Note 2)
TB2-5	GND	Extra Ground
TB2-6	Earth Ground	Earth Ground
J5	Local Connection	RS-485 communications and power (ribbon cable local only) (See Note 3)
J6	Keypad Lock	Jumper or Keyswitch: 1. To use the Jumper, do either of the following: JMP IN = Disabled JMP OUT = Enabled OR 2. To use the keyswitch, connect the PK-625 keyswitch. This keyswitch is keyed alike with the door lock, and must be operated to activate the keypad.
W1	RS-485 Termination	W1 should be ON (top 2 pins), if it is the first or last device on the RS-485 bus. Otherwise, W1 should be OFF (bottom 2 pins).
SW1	Display Address	Binary Switch Addressing

Table 3.2.1 LCD-SLP Installation Wiring Designations

NOTES

NOTE 1: INPUTS TO LCD-SLP FROM ILI-MB-E3/ILI95-MB-E3:

If you do not use J5, these connections are required. Use this terminal designation to connect from the ILI-MB-E3/ILI95-MB-E3 of the E3 Series panel.

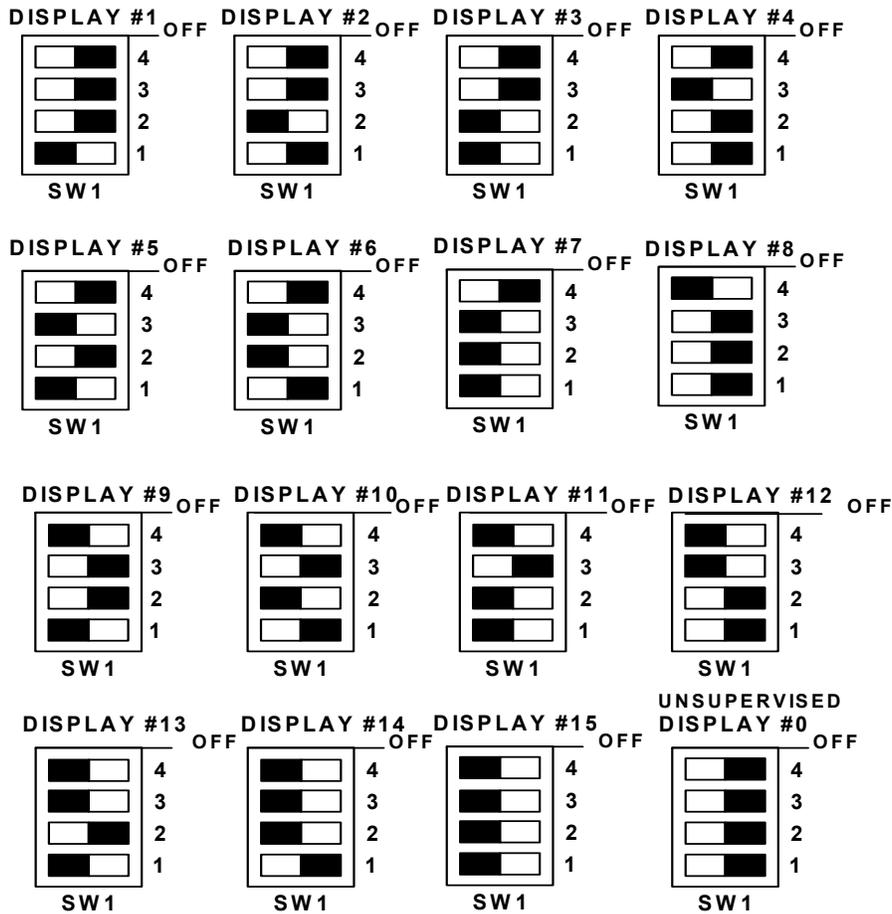
NOTE 2: INPUTS TO LCD-SLP FROM THE REMOTE S3 OR E3 SERIES PANELS:

Use this terminal designation to connect from remote S3 installations or from the ILI-MB-E3/ILI95-MB-E3 of the E3 Series panel. Do not use this connection when the LCD-SLP is mounted in the same cabinet with the SLP-E3.

NOTE 3: OUTPUTS FROM LCD-SLP TO A REMOTE ANU-48, ASM-16, E3BB-FLUSH-LCD, LCD-E3, LCD-7100 and/or RAN-7100:

Use COMM A/COMM B OUT from the LCD-SLP to connect to COMM A/COMM B IN of the ANU-48, ASM-16, LCD-E3, LCD-7100 and/or RAN-7100. Do not use J5 jumper.

NOTE 4:



THE PANEL MUST BE PROGRAMMED TO SET THE NUMBER OF DISPLAYS FOR SUPERVISION.

Figure 3.1.2 Binary Switches

Table 3.2.1 LCD-SLP Installation Wiring Designations (Continued)

3.2.1 LCD-SLP Wired to the S3 Series Panel

Figure 3.2.1.1 illustrates terminal connections of the LCD-SLP touchscreen wired to the S3 Series panel.

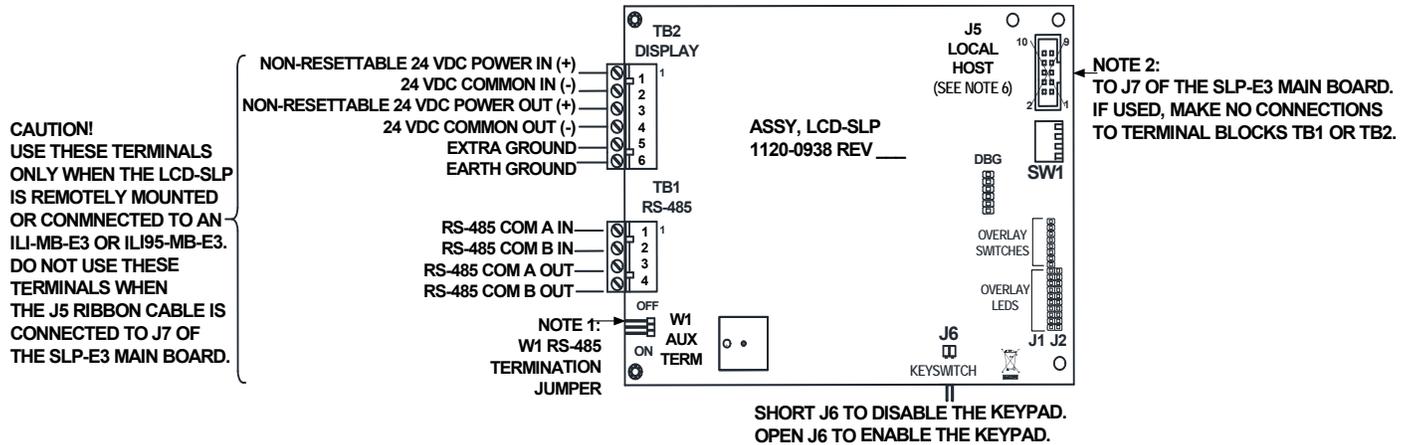


Figure 3.2.1.1 LCD-SLP Wired to the S3 Series Panel

3.2.2 LCD-SLP Wired to the E3 Series Panel

Figure 3.2.2.1 illustrates the terminal connections of the LCD-SLP wired to the E3 Series panel.

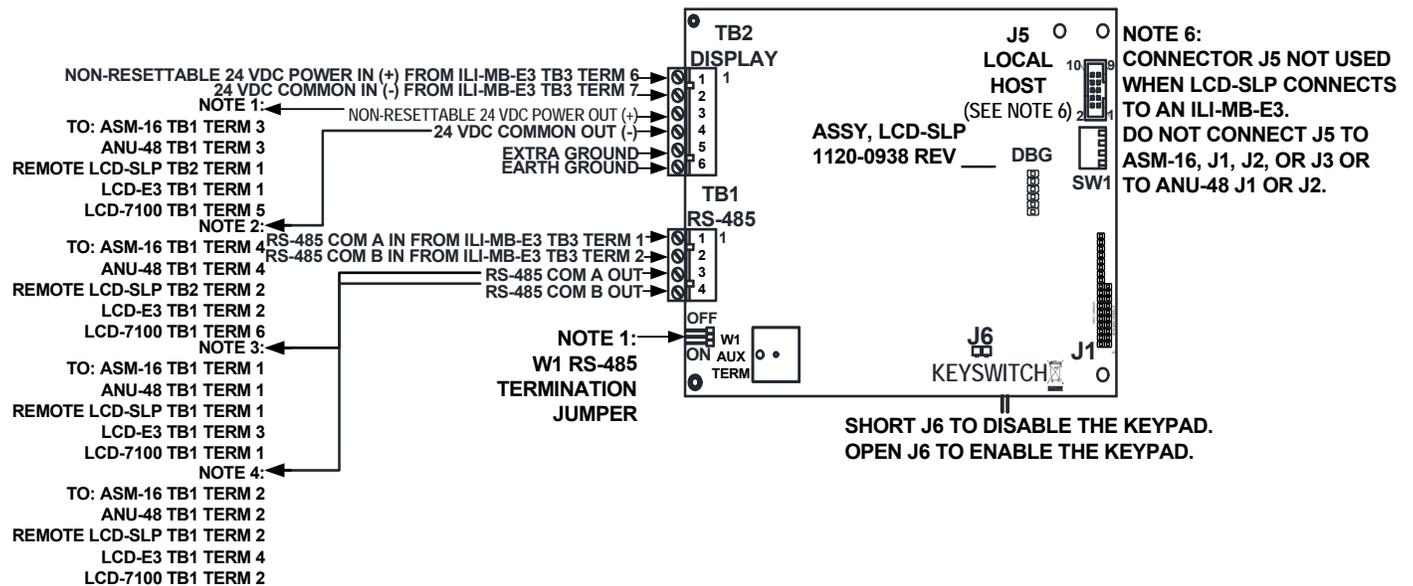


Figure 3.2.2.1 LCD-SLP Wired to the E3 Series Panel

Section 4: LCD-SLP Display Panel

4.1 LCD-SLP Touchscreen LEDs and Switches

Figure 4.1.1 illustrates the screen that appears when you program in CAMWorks for Non-Releasing Fire applications.

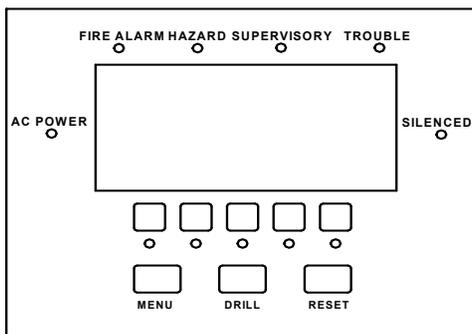


Figure 4.1.1 LCD-SLP Non-Releasing Fire Touchscreen LEDs and Switches

Table 4.1.1 lists the LCD-SLP, LED indicators, Audible/Visual Status indicators and the switches.

LCD-SLP LED Indicators		
Designation	Description	Description
AC Power	GREEN	Lights to indicate the presence of AC voltage input.
Fire Alarm	RED	Lights when the system is in alarm, flashes until the alarm is acknowledged.
Hazard	BLUE	Lights to indicate a hazard condition, flashes until it is acknowledged.
Supervisory	YELLOW	Lights when a supervisory condition exists, flashes until the trouble acknowledge is performed.
Trouble	YELLOW	Lights to indicate a trouble condition, flashes until the trouble is acknowledged.
Silenced	YELLOW	Lights when the System Silence is pressed. Flashes when the System Silence is pending.
LCD-SLP Audible/Visual Condition Indicators		
Condition	Audible/Visual Status Indicators	
Alarm	Alarm situations are indicated by a one-half second ON and one-half second OFF pattern from the system sounder & the illumination of the red alarm LED.	
Hazard	Hazard situations are reported by a Coded 4 pattern.	
Supervisory	Supervisory events are indicated by a continuous tone from the system piezo sounder and the illumination of the supervisory LED.	
Trouble	Trouble conditions are indicated by a continuous tone from the system piezo sounder and the illumination of the YELLOW trouble LED.	
LCD-SLP Non-Releasing Fire Switches		
Switch	Description	
Menu	Toggles the Menu ON and OFF. (See Notes 1 and 2)	
Drill	Initiates a fire drill. (See Note 1 and 2)	
Reset	Initiates a System Reset, as well as five User-Defined switches.	
User-Defined Switches	Custom indication & switch function. This switch must be programmed in CAMWorks. (See Note 1)	
NOTES		
Note 1: The Menu, Drill and User-Defined switches are not available on Releasing displays.		
Note 2: The Menu and Drill switches are not available when the Releasing Zone to which the LCD-SLP belongs is OFF-NORMAL.		

Table 4.1.1 LCD-SLP LED Indicators, Audible/Visual Indicators and Switches

4.2 LCD-SLP Non-Releasing Zone Screens for Fire Operation

Table 4.2.1 lists the LCD-SLP, System Status screens for non-releasing fire operation.

System Status Visual Indicator Screens		
Examples of Event Screens	Description	Event Activation
 <p>Figure 4.2.1 Example of Alarm</p>	Displays the System Status Fire Alarm to show a Fire Alarm event.	<p>If this event is activated, the following appears on the display.</p> <ul style="list-style-type: none"> • Fire Alarm LED lights RED. • ALARM Event is displayed. • Red banner appears.
 <p>Figure 4.2.2 Example of Hazard</p>	Displays the System Status Hazard Alarm to show a CO Alarm event.	<p>If this event is activated, the following appears on the display.</p> <ul style="list-style-type: none"> • HAZARD LED lights BLUE. • CO ALARM displays. • Blue banner appears.
 <p>Figure 4.2.3 Example of Supervisory</p>	Displays the System Status Supervisory Off-Normal to show an Off-Normal event.	<p>If this event is activated, the following appears on the display.</p> <ul style="list-style-type: none"> • Supervisory LED lights YELLOW. • Supervisory event is displayed. • Orange banner appears.
 <p>Figure 4.2.4 Example of Trouble</p>	Displays the System Status Trouble to show a Trouble event.	<p>If this event is activated, the following appears on the display.</p> <ul style="list-style-type: none"> • Trouble LED lights YELLOW. • Trouble event is displayed. • Yellow banner appears.

Table 4.2.1 LCD-SLP Active Touchscreen Buttons/Menus for Non-Releasing/Fire Operation

Section 5: LCD-SLP Releasing Application

The LCD-SLP display panel includes optional audio/visual signaling capabilities for the E3 Series Releasing application. The E3 Releasing application contains an RS-485 circuit to support the connection of up to fifteen LCD-SLP displays. The following five LEDs can be configured to appear on the LCD-SLP display panel to signal the stages of the E3 Series Releasing process.

- Standby
- Pre-Alarm
- Pre-Release
- Release
- Abort

When a Releasing event occurs, the persistent text indicator, Release, appears on the LCD-SLP display panel. Figure 5.1 illustrates the screen that appears when you program in CAMWorks for Releasing applications.

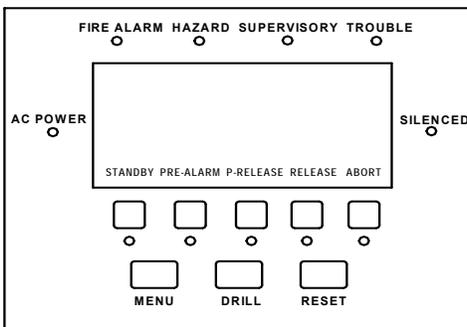


Figure 5.1 LCD-SLP Releasing Touchscreen LEDs and Switches

5.1 LCD-SLP Releasing Panel Operator Interface LED Indicators

In compliance with UL Standard 864, at least one LCD-SLP display panel must be configured in CAMWorks as a Releasing panel operator interface. Table 5.1.1 lists the switches, LEDs and a description of how the switches and LEDs operate when the LCD-SLP is configured for Global Reporting as a Releasing panel operator interface.

LCD-SLP Releasing Switches	
Switches	Description
Standby	Color GREEN: Indicates that the Releasing Zone to which this display belongs is in a normal condition.
Pre-Alarm	Color RED: Indicates that at least one device in the Releasing Zone went into alarm, but not enough devices went into alarm to trigger the Pre-Release Timer.
Pre-Release	Color RED: Indicates that a pre-programmed number and the type of initiating devices in the Releasing Zone have gone into alarm to activate the Pre-Release Timer. After the timer expires, a release occurs.
Release	Color RED: Indicates that the Pre-Release Timer expired and a release occurred.
Abort	Color YELLOW: Indicates that it is in the Abort state.
Note: After the LCD-SLP display is assigned to the Releasing Zone, the Releasing Zone Indicators are enabled.	
LCD-SLP Releasing LED Indicators	
LEDs	Description
Note 1: RELEASING PANEL OPERATOR INTERFACE REQUIREMENT: For Releasing Applications: In CAMWorks, you must configure at least one LCD-SLP as a Releasing Panel.	
Note 2: Operator Interface, so that the LED1 through LED5 indicators light as follows:	
Standby	LED1 turns ON (GREEN) when all nodes in the region/or system are in a Normal Condition.
Pre-Alarm	LED2 turns ON (RED) when any node in the region/or system has any Releasing Zone in Pre-Alarm condition.
Pre-Release	LED3 turns ON (RED) when any node in the region/or system has any Releasing Zone in Pre-Release condition.
Release	LED4 turns ON (RED) when any node in the region/or system has any Releasing outputs that are turned ON.
Abort	LED5 Turns ON (YELLOW) when any node in the region/or system has any Releasing Zone in the Abort condition.

Table 5.1.1 LCD-SLP Releasing Panel Operator Interface LED Indicators

5.2 LCD-SLP Releasing Zone Screens for Releasing Operation

Table 5.2.1 lists the LCD-SLP screens that show the E3 Series Releasing operation on the LCD-SLP display panel.

LEDs	Display	Description
Standby	 <p>Figure 5.2.1 Standby Condition</p>	<p>When the System is at the Standby stage, the following occurs:</p> <ul style="list-style-type: none"> • The LED shows the Standby condition. • The Standby LED lights steady GREEN. • System Normal appears on the display.
Pre-Alarm	 <p>Figure 5.2.2 Pre-Alarm LED Activated</p>	<p>If only one alarm device in the Releasing Zone goes into alarm, it does not trigger the Pre Release timer, but the following occurs:</p> <ul style="list-style-type: none"> • The alarm device activates a Pre Alarm state. • The Pre Alarm LED changes to steady RED. • Pre Alarm appears on the display. <p>(See Note 1 in Table 5.2.1).</p>
Abort	 <p>Figure 5.2.3 Pre-Alarm Abort LED Activated</p>	<p>If the Releasing Zone aborts before the Release stage, after you press the Abort switch the following occurs:</p> <ul style="list-style-type: none"> • The Abort LED turns on steady YELLOW. • Abort appears on the display.
Pre-Release	 <p>Figure 5.2.4 Pre-Release LED Activated</p>	<p>If more than one device in the Releasing Zone goes into alarm, it triggers the Pre-Release Timer and the following occurs:</p> <ul style="list-style-type: none"> • Starts the Pre Release Timer. • The Pre Release LED lights steady RED. • Pre Release appears on the display. <p>(See Note 1 in Table 5.2.1)</p>

Table 5.2.1 LCD-SLP, Releasing Zone Screens

LEDs	Display	Description
Release	 <p data-bbox="370 499 802 533">Figure 5.2.5 Release LED Activated</p>	<p data-bbox="829 149 1515 241">If the Releasing Zone is pre-programmed to use the Pre-Release Timer, after the Pre Release time interval, the following occurs.</p> <ul data-bbox="829 241 1515 346" style="list-style-type: none"> • The Release LED lights steady RED. • Release appears on the display. • The system activates the Release LED. <p data-bbox="829 346 1515 378">At this stage, the following occurs:</p> <ul data-bbox="829 378 1515 514" style="list-style-type: none"> • The releasing output activates to open the valve. • The valve releases the extinguishing agent. • After the Cutoff Timer expires (if configured), the Release LED shuts off.
Cut Off	 <p data-bbox="370 884 802 938">Figure 5.2.6 Cut Off LED Yellow Activated</p>	<p data-bbox="829 533 1515 598">If the Releasing Zone is pre-programmed to use the Cutoff Timer, after the Cutoff Timer interval, the following occurs:</p> <ul data-bbox="829 598 1515 703" style="list-style-type: none"> • The system shuts off the solenoid. • Cutoff appears on the display. • All Releasing stage LEDs are OFF. <p data-bbox="829 850 1515 882">(See Note 1 in Table 5.2.1)</p>
Squirt	 <p data-bbox="370 1289 802 1354">Figure 5.2.7 Release LED Red Activated</p>	<p data-bbox="829 938 1515 970">If a user presses a Squirt switch, the following occurs:</p> <ul data-bbox="829 970 1515 1102" style="list-style-type: none"> • The Release LED temporarily changes to steady RED. • The releasing output is temporarily reactivated to open the valve. • The System releases the extinguishing agent. <p data-bbox="829 1102 1515 1134">After the Squirt condition shuts off, the following occurs:</p> <ul data-bbox="829 1134 1515 1207" style="list-style-type: none"> • The Release LED turns off. • The releasing output module closes the valves.
NOTES		
<p data-bbox="110 1386 1515 1417">Note 1: The Time Limit Cutoff delay may be programmed via CAMWorks.</p>		
<p data-bbox="110 1417 1515 1480">Note 2: For additional information on how the Releasing application operates on the LCD-SLP, refer to the E3 Series Releasing Application Supplement, P/N:LS10138-151GF-E.</p>		

Table 5.2.1 LCD-SLP, Releasing Zone Screens

Section 6: Programming Requirements

This product uses the CAMWorks™ Software Program. Installers must be Gamewell-FCI Factory Certified to program this product. For additional information on this product, contact the Gamewell-FCI Customer Support to schedule the Factory Certified Training.



NOTE: For information on the latest version of CAMWorks, see the Gamewell-FCI website, www.gamewell-fci-esd.com.

Section 7:Reference Documentation

Table 7.1 lists the UL-Controlled documentation assigned to the S3 Series and E3 Series Systems. If you require detailed installation instructions on cabinetry, wiring and specifications, you can download the following UL-Controlled documents from the ESD site on the Gamewell-FCI Website (gamewell-fci-esd.com).

Part Number	Title
UL Listing Documents	
LS10005-051GF-E	S3 Series (Small Addressable Fire Alarm Control Panel) UL Listing Document
LS10080-051GF-E	E3 Series Fire System (Expandable Emergency Evacuation System) UL Listing Document
Manuals	
9000-0575	E3 Series Broadband Installation/Operation Manual
9000-0577	E3 Series Classic Installation/Operation Manual
Installation Instructions	
9000-0491	LCD-7100 (Remote Serial Annunciator) Installation Instructions
9000-0544	AM-50 Series Installation Instructions
9000-0548	PM-9 (Power Supply) Installation Instructions
9000-0549	INI-VG Series (Intelligent Network Interface-Voice Gateway) Installation Instructions
9000-0550	ASM-16 (Addressable Switch Module) Installation Instructions
9000-0564	ANU-48 (Remote LED Driver Annunciator) Installation Instructions
9000-0568	NGA (Network Graphic Annunciator) Installation Instructions
9000-0569	ILI-S-E3 (Intelligent Loop Interface - Expansion Board) Installation Instructions
9000-0579	ILI-MB-E3 (Intelligent Loop Interface - Main Board) Installation Instructions
9000-0580	RPT-E3-UTP (Repeater-E3 Unshielded Twisted-Pair) Installation Instructions
9000-0581	DACT-E3 (Digital Alarm Communicator Transmitter) Installation Instructions
9000-0582	LCD-E3 (Liquid Crystal Display-E3) Installation Instructions
9001-0017	ILI95-MB-E3 (Intelligent Loop Interface-95 - Main Board) Installation Instructions
9001-0018	ILI95-S-E3 (Intelligent Loop Interface-95 - Expansion Board) Installation Instructions
9001-0064	ANX (Addressable Node Expander) Installation Instructions
9001-0065	E3BB-FLUSH-LCD, CAB A2 Remote Flush Annunciator Installation Instructions
9001-0066	RAN-7100 (Remote Alphanumeric Annunciator) Installation Instructions
LS10044-000GF-E	SLC-PM/SLC95-PM (Signaling Line Circuit-Personality Module) Installation Instructions
LS10046-000GF-E	FML-E3/FSL-E3 (Fiber-Optic Multi-Mode/Fiber-Optic Single-Mode) Installation Instructions
LS10058-000GF-E	FLPS-7 (Power Supply) Installation Instructions
LS10082-000GF-E	E3 Series Cabinets B, C, D, Retrofit, DR-C4/DR-D4 and EQ Cabinets Installation Instructions
LS10083-000GF-E	E3 Series, Remote Annunciator Display and Retrofit Cabinets Installation Instructions
LS10218-000GF-E	INI-VG Series (Intelligent Network Transponder-Voice Gateway-Third Generation) Instructions
LS10222-000GF-E	NGA (Network Graphic Annunciator-Second Generation) Installation Instructions
Addendum	
9000-0427-L8	Compatibility Addendum to Gamewell-FCI Installation/Operation Manuals UL File S1869 Vol. 8C
Supplement	
LS10138-151GF-E	E3 Series Control Panel, Releasing Applications Supplement
Frame-Posts	
LS10056-000GF-E	S3 Series (Small Addressable Fire Alarm Control Panel System), Operating Instructions
LS10121-000GF-E	E3 Series for LCD-SLP Operating Instructions

Table 7.1 Reference Documentation