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SLC-3LS Loop Expander Module Product Installation Document

PN LS10195-000FL-E:A 6/7/2023 ECN: 00022081

1 Description

The SLC-3LS Loop Expander Module is an optional card that provides the ES-1000X Series Fire Alarm Control Panels with additional SLC communication loops. An additional 318 devices can be wired to each SLC-3LS card. A maximum of two SLC3-LS cards may be installed on the FACP, offering a total of 3 SLC loops and 954 points in the system.

2 Installation

WARNING: STATIC SENSITIVE COMPONENTS
WEAR A PROPER GROUNDING WRIST STRAP AND WORK ON A STATIC-SAFE WORKSPACE TO PROTECT ELECTRONIC ASSEMBLIES.

The IPOTS-COM Communicator Module, not supplied with the ES-1000XI, must be mounted on the FACP last, at the top of the stack of accessory cards. Additional SLC-3LS cards mount below the IPOTS-COM Communicator. Refer to P/N LS10184-000GE-E for instructions on installing the IPOTS-COM Communicator, if necessary.

Refer to Figure 1 and Figure 2 below.

1. Disconnect the ribbon cable from J1 on the IPOTS-COM.
2. Remove the four screws on the right side of the board that are used to attach the IPOTS-COM board to the chassis (or, on the ES-1000XI, to the PCB itself) and place it on static-safe workspace.
3. Disconnect and remove the 8” (20 cm) wire cable from J4 on the pre-installed SLC-3LS card and J5 on the main board.

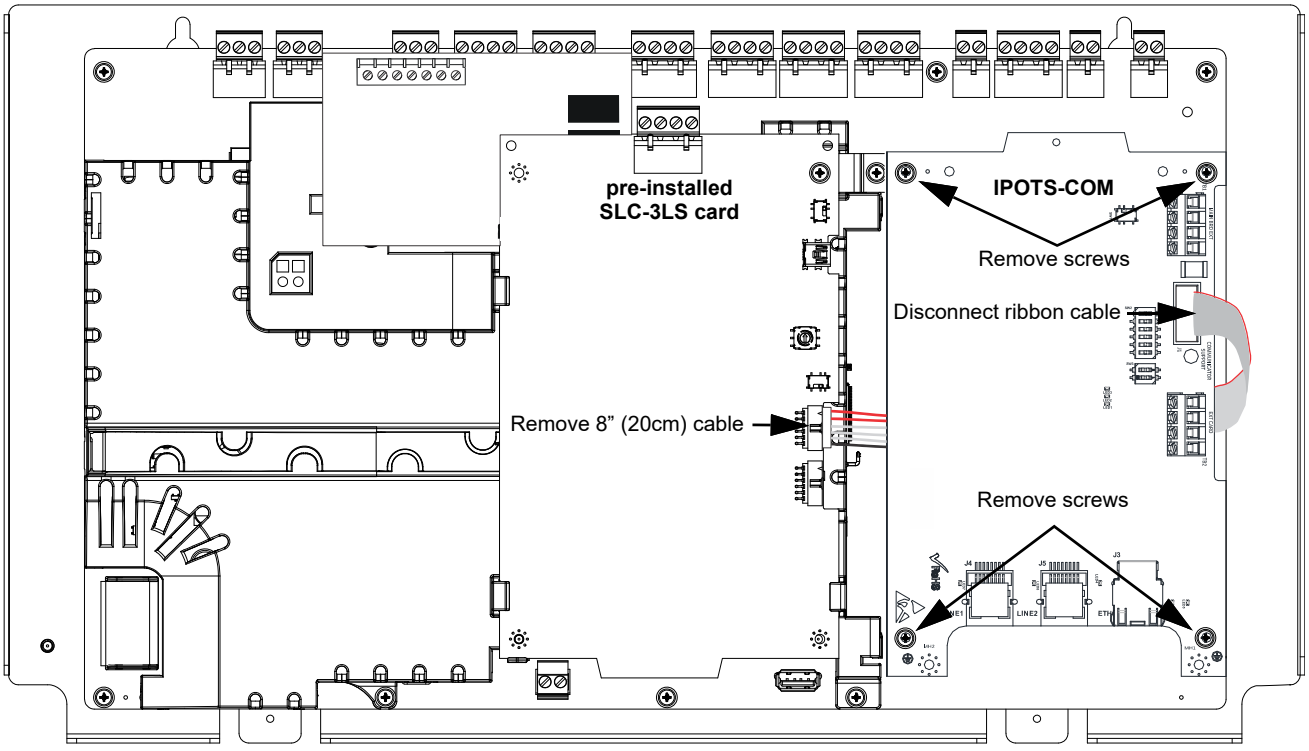

Figure 1 ES-1000X Assembly

4. Install the 4” (10 cm) wire cable from the kit into J5 on the main board.

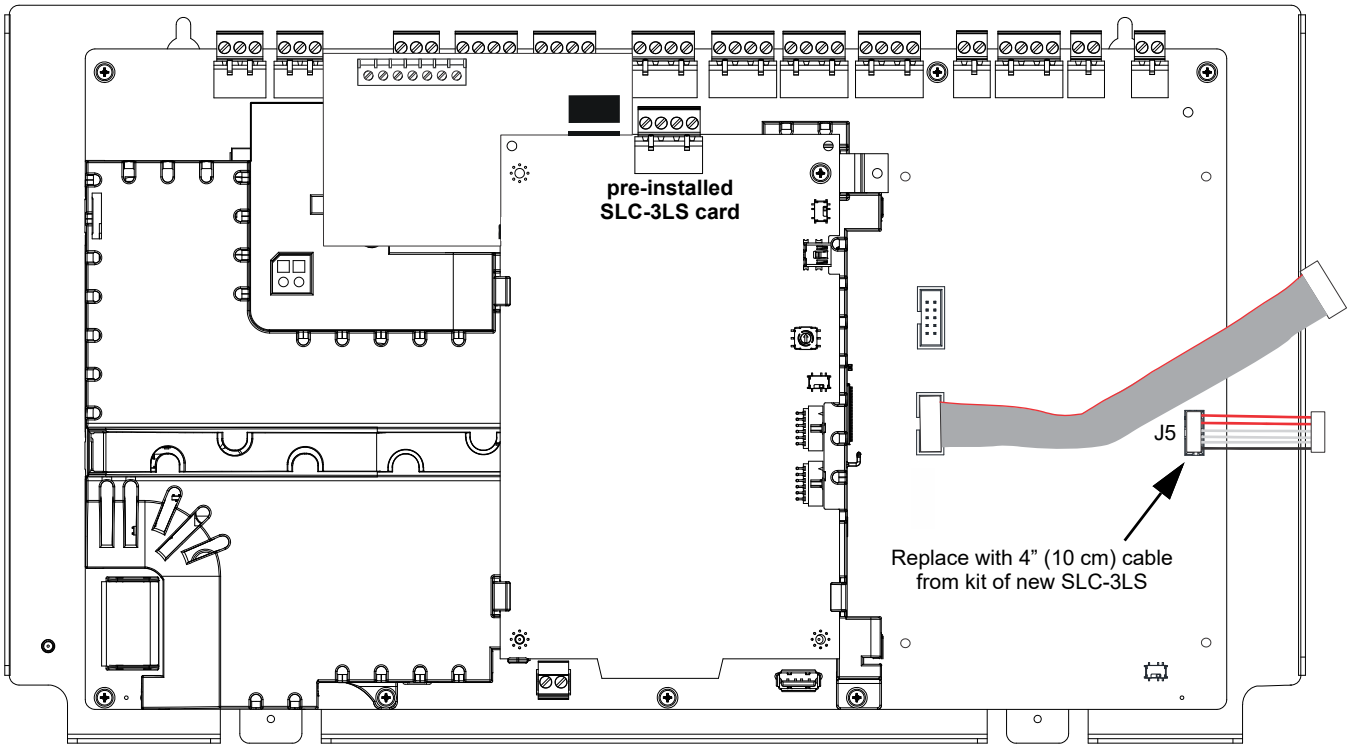

Figure 2 ES-1000X Assembly

5. Install the new SLC-3LS card onto the standoffs.
6. Connect the 4” (10 cm) wire cable from step 4 into J4 (upper position) on the new SLC-3LS.
7. Connect the 8” (20 cm) cable removed in step 3 to J3 (lower position) on the new SLC-3LS and J4 (upper position) on the pre-installed SLC-3LS.
8. Install the four standoffs from the kit into the new SLC-3LS.

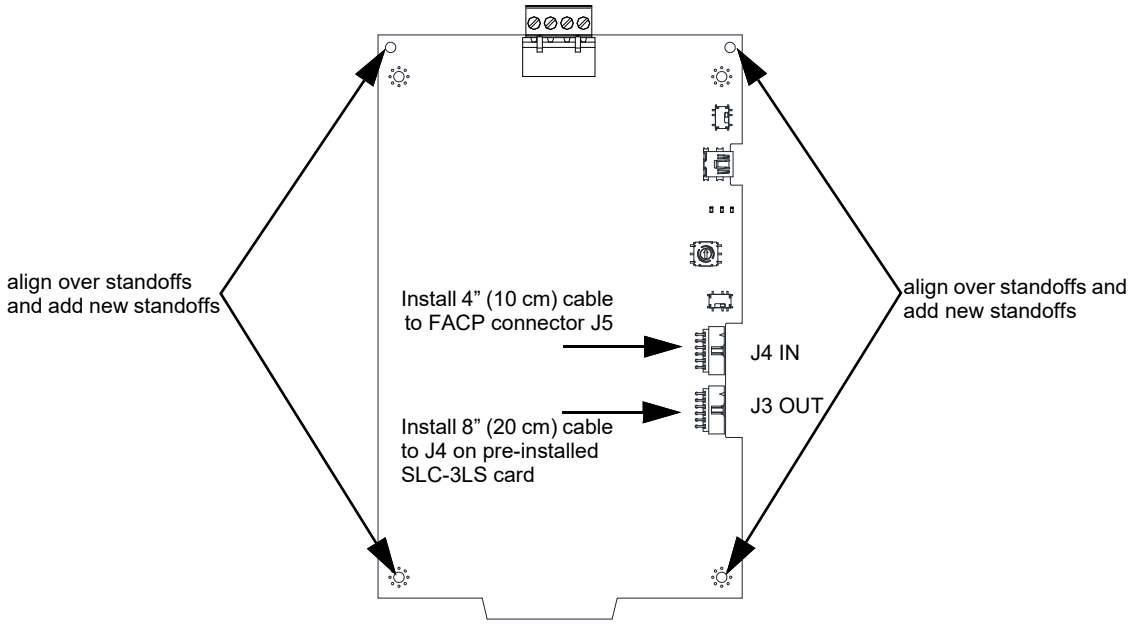

Figure 3 New SLC-3LS Card

9. Align the IPOTS-COM over the standoffs and secure with the screws removed in step 2.
10. Reconnect the ribbon cable into J1 of the IPOTS-COM.
11. If a third loop expander module is required in the system, mount it below the IPOTS-COM using the 4” (10 cm) cables to connect the loop cards on the right and the 8” (20 cm) cable to the pre-installed loop card on the left.

3 Wiring/Configuring the SLC-3LS

Connect the SLC wiring and devices to the terminal block on the SLC Expander Module. SLC loops can be wired as Class A, Class B, or Class X (DCLA, DCLB, or DCLC for Canadian applications). All SLC connections are supervised and power-limited. Refer to the *SLC Wiring Manual #51309* for wiring information.

There are three switches on the SLC-3LS.

- Ground fault disable: disable ground fault detection for troubleshooting purposes only.
- SLC address: 16 position switch for addressing the loop card only. Note that "0" is not a valid address.
- RS-485 termination: enable/disable this switch for the last loop card installed for better functionality.

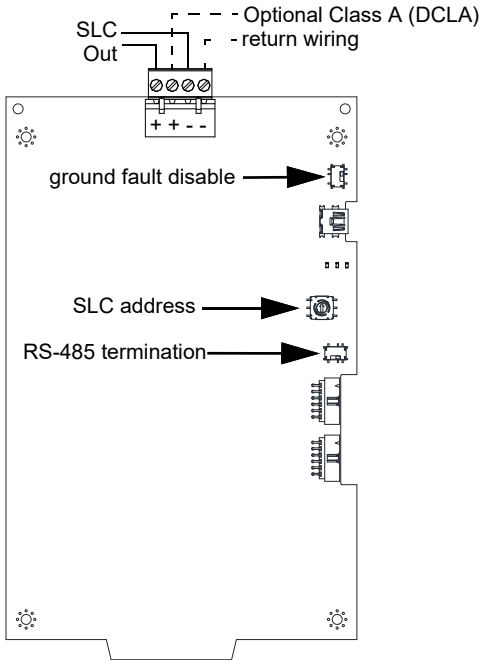

Figure 4 SLC-3LS Switches