SLM-318 Signaling Loop Module
Product Installation Document

PN LS10243-000GE-E:B 04/21/2025 ECN: 00061264

1 General

The SLM-318 Signaling Loop Module provides for additional SLC loops on Touchscreen FACPs (fire alarm control panels). It provides expansion for one (1) loop per module, up to 318 devices per module, with a maximum of ten (10) modules on a system. It operates in both CLIP and FlashScan® protocols.

NOTE: Only 198 devices are supported on a loop when the SLM-318 runs in CLIP protocol. Up to 318 devices are supported when the SLM-318 runs in FlashScan® protocol.

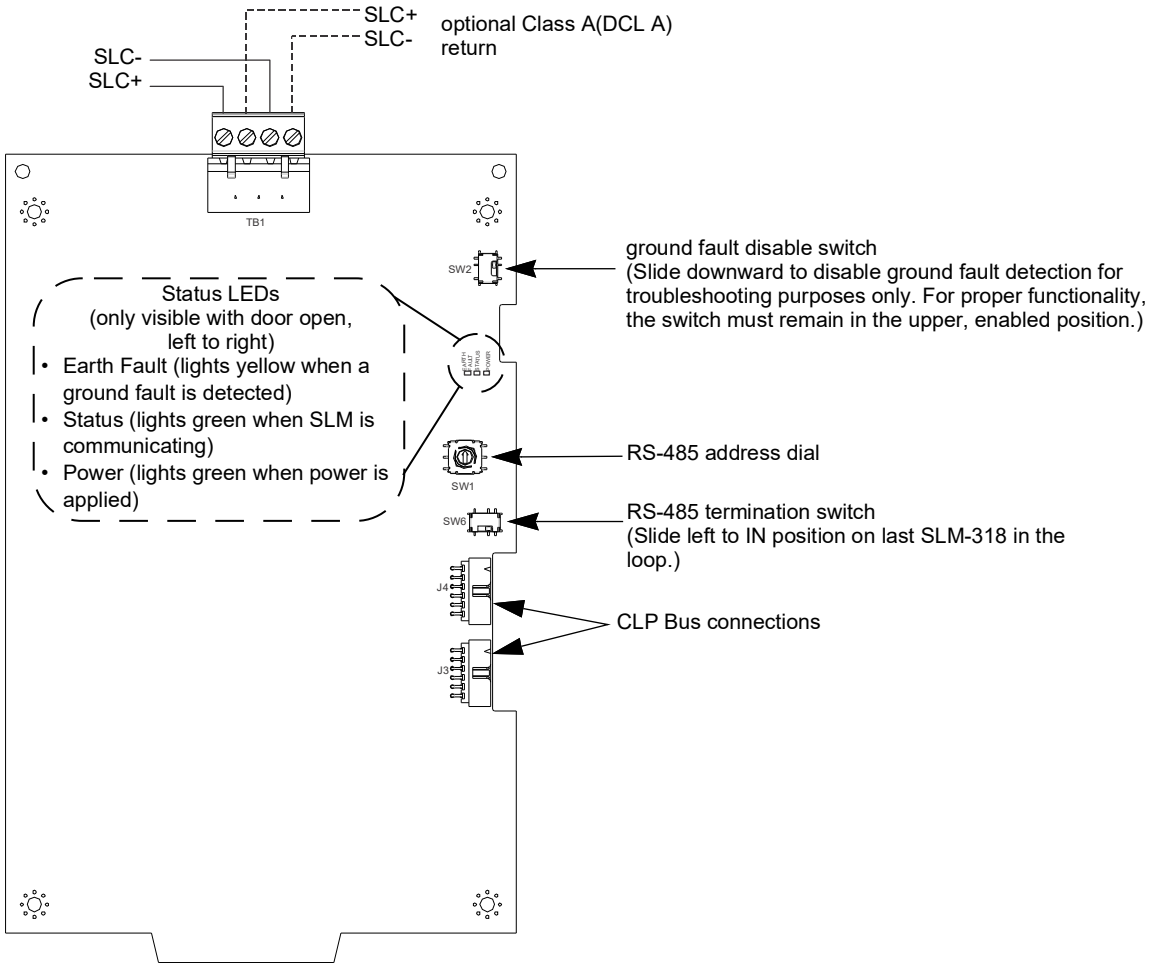


Figure 1 SLM-318 Layout

1.1 Hardware Kit

The SLM-318 ships with all hardware necessary for installation.

- one (1) 8” wired cable
- one (1) 4” wired cable
- four (4) #4 screws
- four (4) 1” M/F standoffs
- one (1) terminal block plug

2 Installation

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

Loop cards may be mounted on top, and in the fourth position, in a stacked configuration. A maximum of three (3) cards may be mounted in a stack. The PMB power supply for the Touchscreen FACP supports a maximum of five (5) loop cards. If more than five (5) loop cards are installed in the system, a PMB-AUX(-RTO) power supply is required, and if ten (10) loop cards are installed in the system, two (2) PMB-AUX(-RTO) power supplies are required, for battery charging and alarm load.

1. Disconnect all power from the fire alarm control panel.
2. Remove the four (4) screws which secure the included SLM-318 and replace with the four (4) 1" supplied M/F standoffs.
3. Align the second SLM card over the standoffs.
4. Continue with standoffs and SLM card in a stacked configuration, if required.
5. Secure with screws from step 2.
6. If installing in the fourth position of the chassis, align card over pre-mounted standoffs.
7. Continue with standoffs and SLM card in a stacked configuration, if required.
8. Secure with four (4) supplied screws.

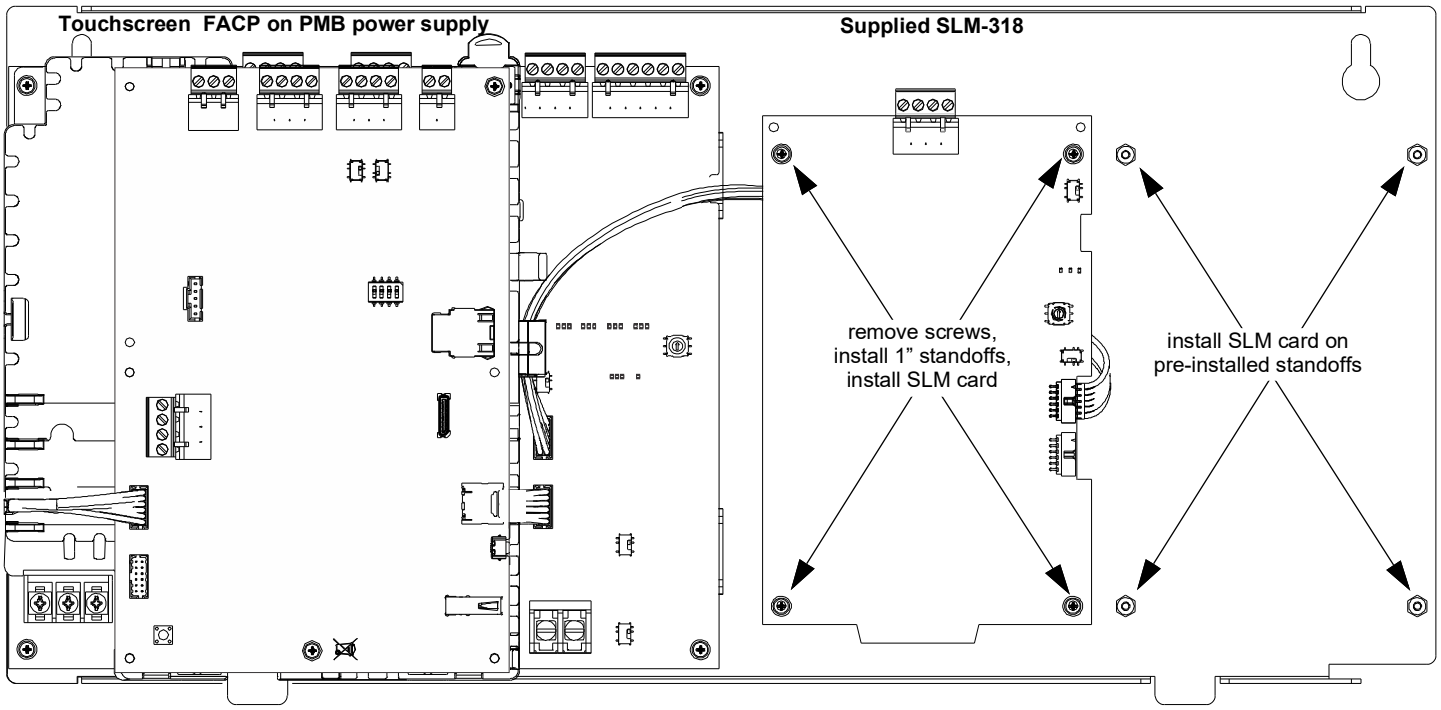


Figure 2 SLM-318 Installation

3 Wiring

Connect the SLC wiring to TB1 on the SLM-318. SLC loops can be wired as Class A(DCLA) or Class B(DCLB). All SLC connections are supervised and power-limited (Class 2). Wiring methods used shall be in accordance with Standard for Installation and Classification of Burglar and Holdup Alarm Systems, UL 681. Refer to the FACP SLC Wiring Manual for more information.

Use the 4" wired cable to connect J3 on lower stacked cards to J4 on upper stacked cards. Substitute the 8" cable when wiring SLM cards in different rows of the backbox.

4 Configuring

Set the address for the SLM-318 from one (1) through (10) using SW1. Note that zero (0) is not a valid address. Slide the CLP termination switch (SW6) to the left on the last SLM-318 installed to maximize signal integrity on the communications bus.