

6815 SLC Expander

Product Installation Document

PN LS10173-001SK-E:C 2/22/2022 ECN: 151062

1 Description

The 6815 SLC Expander lets you add additional addressable devices to a compatible Fire Alarm Control Panels (FACP). The 6815 works with IDP and SK devices by System Sensor only.

1.1 Compatibility

The 6815 is for use with compatible Honeywell Silent Knight and Farenhyt Series Fire Alarm Control Panels FACP's. For information on the compatibility and programming, refer to the FACP Installation Manual.

- IFP-2100/ECS
- IFP-300/ECS
- 6820/EVS

1.2 Specifications

- Standby Current: 78mA
- Alarm Current: 78mA
- Operating Voltage: 24VDC
- Operating Temperature: 32°F to 120°F (0°C to 49°C)

2 Installation

You can mount the 6815 in a compatible FACP cabinet, in the RPS-1000/5895XL Intelligent Power Module cabinet, or in the SK-NIC-KIT Remote Mounting Kit. Installation and wiring of this device shall be performed in accordance with NFPA 72 and local ordinances.



CAUTION: STATIC SENSITIVE COMPONENTS

THE CIRCUIT BOARD CONTAINS STATIC-SENSITIVE COMPONENTS. ALWAYS GROUND YOURSELF WITH A PROPER WRIST STRAP BEFORE HANDLING ANY BOARDS SO THAT STATIC CHARGES ARE REMOVED FROM THE BODY. USE STATIC SUPPRESSIVE PACKAGING TO PROTECT ELECTRONIC ASSEMBLIES.

To mount the 6815:

1. Remove power from the panel.
2. If mounting the 6815 in an FACP or RPS-1000/5895XL cabinet, use the standoffs located below the panel assembly and secure with screws provided with the 6815.

–OR–

If mounting the 6815 in a 5815RMK or SK-NIC-KIT, position the 6815 board(s) as shown in Figure 1 and snap them into place on the plastic standoffs.

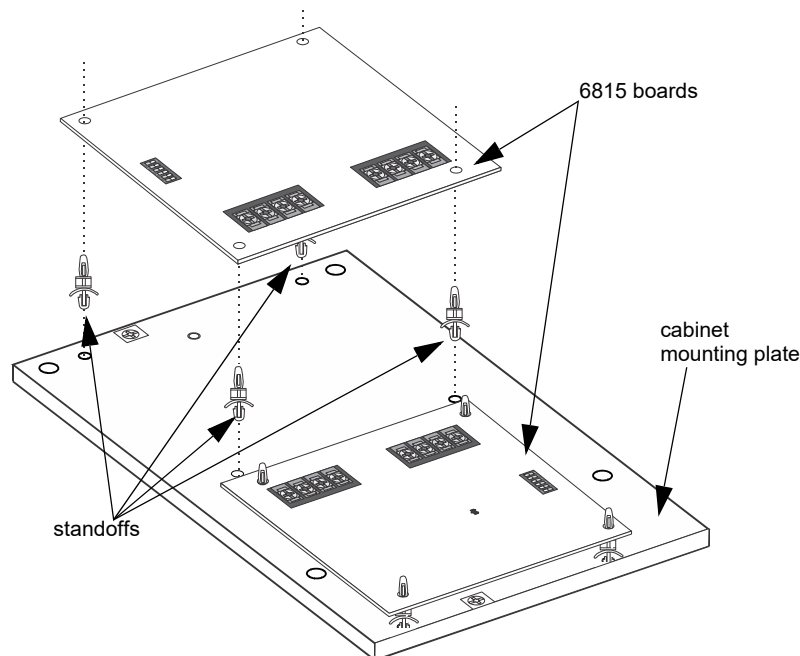


Figure 1 Standoff Installation and 6815 Board Mounting

3 Wiring

The 6815 SLC Expander can be wired as either Class A or Class B. Wire the 6815 to a compatible FACP or the RPS-1000/5895XL as described below.

6815 Terminals	FACP SBUS Out Terminals
+	+
-	-
A	A
B	B

Table 1 6815 to FACP Terminal Connections

The FACP may have a different layout than shown, but wiring to the SBUS is the same.

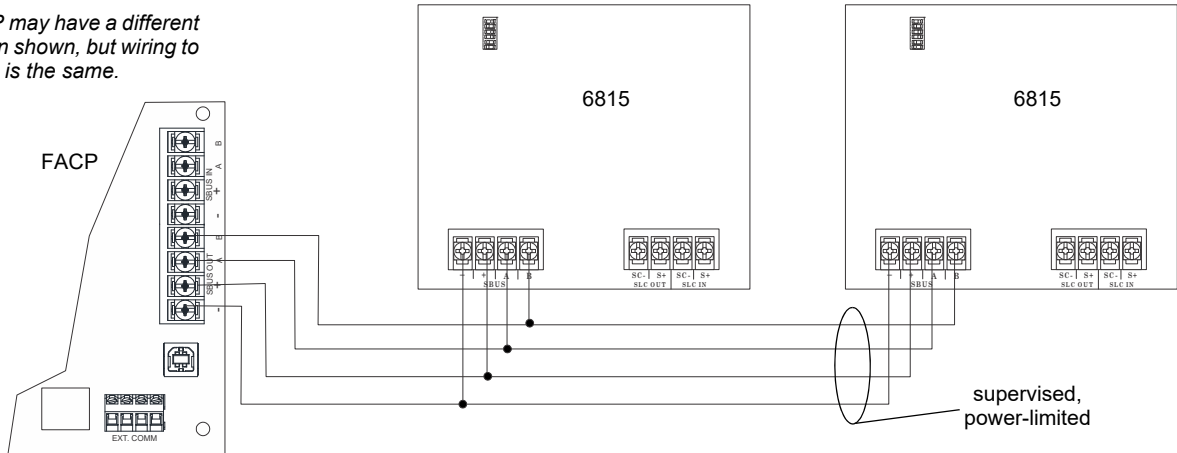


Figure 2 6815 Connection to the Control Panel (Class B Example)

4 Setting DIP Switches

Use the onboard DIP switches to select an ID number for the 6815. Refer to Figure 3 to determine how to set the DIP switches for the desired ID number. Note that address 0 is an invalid address and cannot be used. After setting the ID number, use JumpStart Auto-programming to add the 6815 to the system. You can also add the 6815 to the system manually.

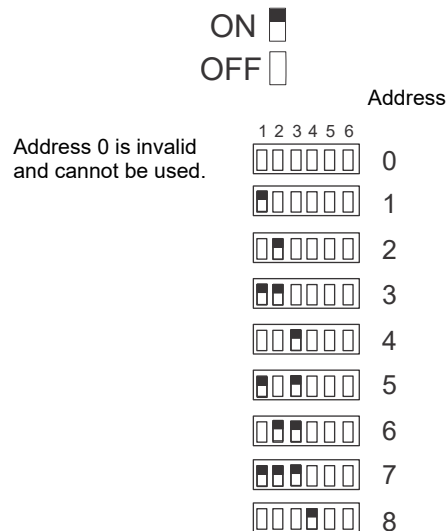


Figure 3 Set DIP Switches on the 6815