



Model 5815XL Signaling Line Circuit Expander



Add flexibility to IntelliKnight® applications with the 5815XL SLC Expander

The Model 5815XL SLC Expander is a signaling line circuit controller for Silent Knight's IntelliKnight 5820XL addressable fire control panel. It allows you to add 127 addressable devices to the IntelliKnight system. **Three** 5815XLs can be added to the 5820XL for a maximum of **508** addressable devices per IntelliKnight system.

5815XL signaling circuits have the same functionality as the SLC that is built into the IntelliKnight panel and support the same addressable devices as the main panel. The 5815XL connects to the panel via the RS 485 bus and is housed in the IntelliKnight 5820XL or 5895XL cabinet.

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The 5815XL expands the capabilities of the IntelliKnight fire control panel by allowing 127 additional addressable devices to be attached to the system.

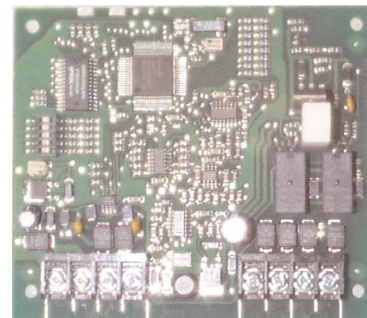
All functionality of the built-in SLC is provided with the 5815XL. **Three** 5815XLs can be added to an IntelliKnight system for a total of **508** addressable devices per system.

Operation

The 5815XL communicates with the IntelliKnight FACP via an RS 485 system bus. A green LED on the 5815XL board blinks to indicate good communication. If an addressable device on a 5815XL fails, the loop communicates the failure to the panel and continues to operate normally.

Features

- Adds 127 addressable to an IntelliKnight system
- **Three** 5815XLs per system
- 5815XL SLCs have same functionality as built-in, including Style 6 (Class A) configuration
- Communicates with the IntelliKnight panel via RS 485 system bus
- LED indicates good communication
- Housed inside IntelliKnight 5820XL cabinet or remotely mounted inside the 5895XL cabinet.
- UL 864 listed, complies with NFPA 72 and 101
- Communicates on most standard wiring systems (ideal for retrofits)
- FM approved



Model 5815XL

Specifications

System Capacity	IntelliKnight system supports three 5815XL SLC Expanders. Each expander supports 127 addressable devices; IntelliKnight system supports 508 devices total.
Operating Voltage	24 VDC
Current Consumption (standby and alarm)	55 mA minimum - 125 mA max. (with 127 devices)
Ambient Temperature	32°F to 120°F (0°C to 49°C)
Mounting	Inside IntelliKnight FACP or 5895XL cabinet



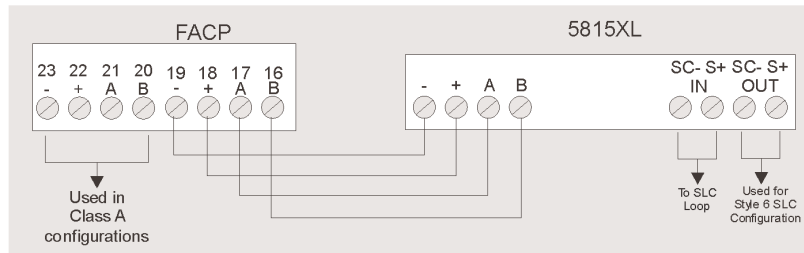
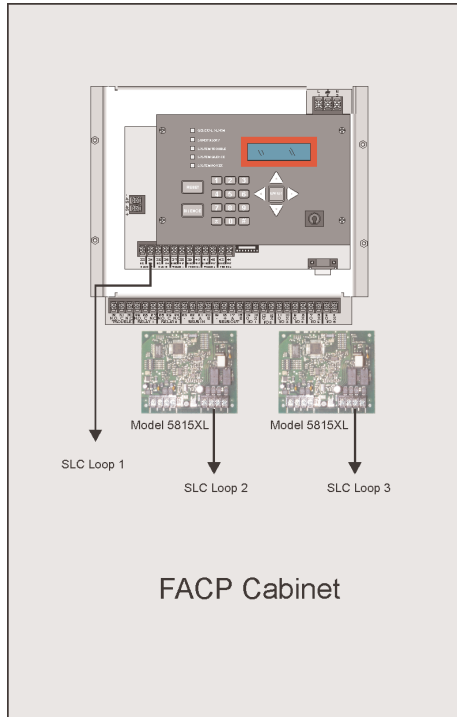
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Engineering Specifications

The contractor shall provide a signaling circuit expander compatible with the IntelliKnight 5820XL fire control panel that allows 127 addressable devices to be added to the system. The IntelliKnight panel shall support **three** expanders for a total of **508** addressable devices per system. The expanders shall mount inside an IntelliKnight system cabinet, either the FACP or the 5895XL. The expanders shall provide signaling line circuits that have the same installation and functionality as built-in SLCs and shall communicate to the main panel via an RS 485 system bus. A green LED on the expander board shall blink to indicate communication with the main panel.



5815XL Block Diagram



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