

5815XL

Signaling Line Circuit Expander

The 5815XL is a signaling line circuit (SLC) expander for use with Silent Knight® 6820 or 6820EVS fire alarm control panels using SD SLC devices.

Use the 5815XL to add more Hochiki® SD SLC devices to the control panel.

The 5815XL module communicates with the 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 SLC circuit fails, it communicates the failure to the FACP and continues to operate normally.

On the 6820 or 6820EVS, the number of 5815XL modules is limited by the maximum number of SBUS devices. Each 5815XL supports 127 SD addressable devices.

COMPATIBILITY

The 5815XL Signaling Line Circuit Expander is compatible with the following Silent Knight FACP:

- 6820
- 6820EVS



FEATURES AND BENEFITS

- UL listed. Complies with UL 864, 10th Edition; UL 2572, 2nd Edition
- Complies with NFPA standards
- CSFM, FDNY, and FM approved
- Supports up to 127 SD devices per SLC expander
- 5815XL SLCs have same functionality as the FACP, including Class A configuration
- Communicates with the FACP via RS-485 system bus
- House up to two 5815XL modules in the compatible FACP cabinet, power supply cabinet, or in the remote mounting kit
- LED indicates good communication
- SLC wiring uses standard wire; twisted pair or shield cable are not required

5815XL TECHNICAL SPECIFICATIONS

PHYSICAL

Dimensions:

4.2" H x 4.8" W
(10.7 cm x 12.2 cm)

Shipping Weight: 5.6oz (159g)

ENVIRONMENTAL

Operating Temperature: 32° F to 120° F
(0° C to 49° C)

Humidity: 10% to 93% relative humidity
(noncondensing)

ELECTRICAL

Operating Voltage: 24 VDC

Standby & Alarm Current: 55 mA

CAPACITY:

- **FACP:**
 - 635 points maximum per panel with SD devices.
- **5815XL Module:**
 - 127 SD devices per module

ORDERING INFORMATION

5815XL: Signaling Line Circuit Expander

ACCESSORIES

5815RMK: Remote Mounting Kit cabinet holds two 5815XL modules. Red cabinet.

5895XL: Power Supply Module. Cabinet holds up to two 5815XL modules.

STANDARDS AND CODES

The 5815XL complies with the following standards/codes:

- UL 864, 10th Edition: Standard for Control Units for Fire Alarm Systems
- UL 2572, 2nd Edition: Standard for Mass Notification Systems
- NFPA:
 - NFPA 13
 - NFPA 15
 - NFPA 16
 - NFPA 70
 - NFPA 72

AGENCY LISTINGS AND APPROVALS

- UL Listed: S2766
- FDNY Approved
- CSFM Approved
- FM Approved

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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