

6815

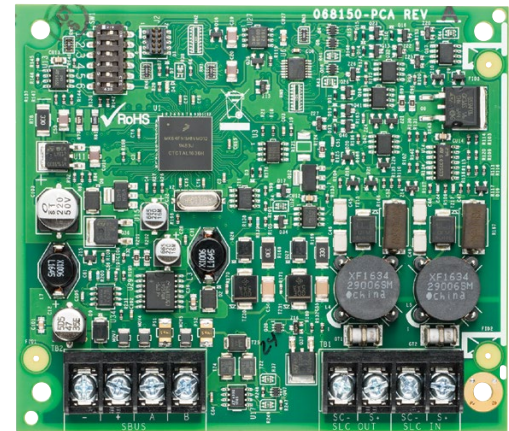
Signaling Line Circuit Expander

The 6815 is a signaling line circuit (SLC) expander for use with Honeywell Silent Knight 6820 or 6820EVS fire alarm control panels (FACPs) using System Sensor® (SK) protocol. The 6815 signaling circuit has the same functionality as the SLC that is built into the 6820 and 6820EVS panels and support the same addressable devices as the one in each panel. The number of 6815 SLCs that can be used within one system is largely dependent on maximum available points. They provide a powerful way to customize configurations in large or complex installs.

The 6820 and 6820EVS panels support up to 1,110 maximum points and come with one integrated SLC. Each added 6815 can support an additional 159 SK devices, and 159 SK modules.

The 6815 can also be used for SWIFT® wireless detection. SWIFT wireless devices communicate with the FACP through a gateway (WSK-WGI) that connects to the SLC using SK protocol. The integrated SLC, or a 6815 SLC, can be used for this purpose. SWIFT devices can also be combined with hard-wired devices on the same SLC for additional versatility. The result is more flexibility and design options when hard-wire solutions are problematic.

The 6815 communicates with the FACP via an RS 485 system bus. A green LED on the 6815 board blinks to indicate good communication. If an addressable device on a 6815 fails, the loop communicates the failure to the 6820 and 6820EVS and continues to operate normally



6815

FEATURES & BENEFITS

- The number of 6815 SLCs that can be used in one system is largely determined by maximum point counts. With 1,110 available points on the 6820 and 6820EVS and 6815 SLC flexibility, new design and installation opportunities are now possible.
- Use the 5815RMK mounting kit to securely house more SLCs within one system.
- Pair with the separate 6860 remote annunciator for additional installation and operating options. The 6860 has four programmable buttons that are useful for executing routine or complex tasks.
- Up to two additional 6815 SLCs can be securely housed in one FACP, thus limiting the need for separate housing
- Useful for installations where buildings are connected for multi-site benefits using fiber optic or copper wiring. The ability to use multiple 6815 SLCs in these situations provides additional fire system design options.

6815 Technical Specifications

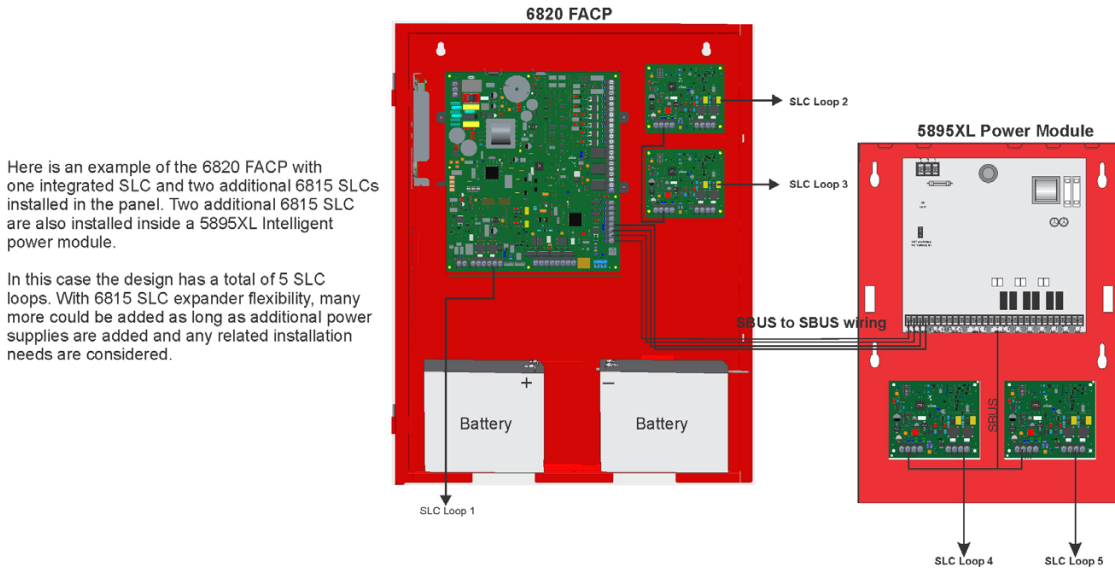
For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

Microsoft, Windows, and the Windows Logo are registered trademarks or trademarks of Microsoft Corporation.

Sielnt Knight®, System Sensor® and Honeywell® are registered trademarks of Honeywell International, Inc

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.

For Technical Support, Please call 800-446-6444.



Here is an example of the 6820 FACP with one integrated SLC and two additional 6815 SLCs installed in the panel. Two additional 6815 SLC are also installed inside a 5895XL Intelligent power module.

In this case the design has a total of 5 SLC loops. With 6815 SLC expander flexibility, many more could be added as long as additional power supplies are added and any related installation needs are considered.

DESIGN VERSATILITY: THE 6815 SLC EXPANDER

PHYSICAL

Dimensions: 4.2"H x 4.8"W (10.7 x 12.2 cm)
Shipping Weight: 5.6oz (159g)

ELECTRICAL

Standby & Alarm Current: 78mA max

ENVIRONMENTAL

Operating Temperature: 32°F to 120°F (0°C to 49°C)
Humidity: 0 to 93% non-condensing

SYSTEM CAPACITY

6815 Capacity: 159 SK sensors and 159 SK modules per loop
 The maximum 1,110 point count for the 6820 and 6820EVS, and related support requirements, limit the number of 6815 SLCs that can be added to a fire system installation.

ORDERING INFORMATION

6815: Signaling Line Circuit Expander.

ACCESSORIES

5895XL: Intelligent Power Module. Cabinet holds two 6815s.
5815RMK: Remote Mounting Kit Cabinet holds two 6815s. Red.

AGENCY LISTINGS AND APPROVALS

UL listed
 CSFM approved 7165-0559:0500
 Meets NFPA 72 requirements
 FM approved
 FDNY COA (pending)

COMPATIBILITY

- 6820: Addressable fire alarm control panel with up to 1,110 addressable points
- 6820EVS: Addressable fire alarm control panel with an emergency voice system, up to 1,110 addressable points

*Hochiki® (SD) devices utilize the 5815XL signaling line circuit (SLC).

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

Honeywell Silent Knight

12 Clintonville Road
 Northford, CT 06472
 800-328-0103

