

# 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 number of 6815 modules that can be used within one system is dependent on maximum available points. The use of 6815 modules provides a powerful way to customize configurations in large or complex installations.

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

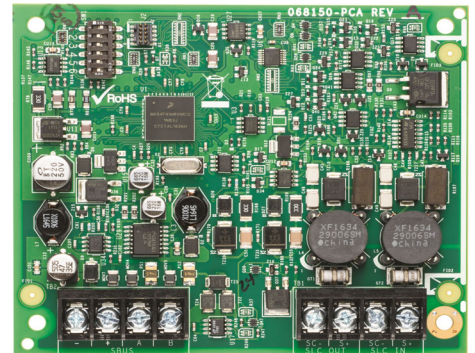
**Note:** Hochiki® SD Devices use the 5815 XL SLC Expander (refer to datasheet 350098 for additional information).

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 SLC circuit fails, it communicates the failure to the FACP and continues to operate normally.

## COMPATIBILITY

The 6815 Signaling Line Circuit Expander is compatible with the following Silent Knight FACPs:

- 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
- Adds support for up to 159 SK sensors and 159 SK modules
- Communicates with the FACP via RS-485 system bus
- LED indicates good communication
- House up to two 6815 modules in the FACP or RPS-1000 cabinet, or in the 5815RMK Remote Mounting Kit
- SLC wiring uses standard wire; twisted pair or shield cable are not required
- Supports IDP or SK, and SWIFT devices

# 6815 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:** 0% to 93% relative humidity  
(noncondensing)

## ELECTRICAL

**Standby & Alarm Current:** 78 mA maximum

## CAPACITY:

- **FACPs:** The maximum 1,100 point count for the 6820 and 6820EVS limits the number of 6815 modules that can be added to a fire system installation.
- **6815 Module:** 159 SK sensors and 159 SK modules per loop

## ORDERING INFORMATION

**6815:** Signaling Line Circuit Expander

## ACCESSORIES

**5815RMK:** Remote Mounting Kit cabinet holds up to two 6815s. Red cabinet.

**SK-NIC-KIT:** Remote Mounting Kit cabinet holds one 6815.  
10-3/8" W x 10-3/16" H x 3" D

## STANDARDS AND CODES

The 6815 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
  - NFPA 101

## AGENCY LISTINGS AND APPROVALS

- UL Listed: S2766
- FDNY: COA # 6017, 6122, 6198, 6296A, 6299, 6302A, 6304
- CSFM Approved
- FM Approved

Honeywell®, Silent Knight®, and SWIFT® are registered trademarks of Honeywell International, Inc.

Hochiki® is a trademark of the Hochiki America Corporation.

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.

Country of origin: U.S.A.

### Honeywell Silent Knight

12 Clintonville Road  
Northford, CT 06472-1610  
203.484.7161  
www.silentknight.com

351628 | B | 02/22  
©2022 Honeywell International Inc.

