

5895XL

Intelligent Distributed Power Module

The 5895XL is an intelligent distributed power module that adds 6.0 amps of power, six Flexput® I/O circuits, and two Form C relay circuits to a compatible Honeywell Silent Knight Series addressable system.

The 5895XL is available in a red cabinet for 120VAC operation and in a red cabinet for 240VAC operation (RPS-1000HV).

The 5895XL connects to the FACP via the RS-485 system bus allowing up to an additional 6,000 feet of wiring. Each 5895XL is optically isolated providing ground loop isolation and transient protection. The 5895XL supports its own backup battery and monitors the AC power.

The green LED on the 5895XL board indicates communication with a Honeywell Silent Knight Series FACP.

The Flexput circuits can be used as notification appliance circuits, continuous power, resettable power, door holder power, or as conventional initiation circuits that can support both 2- and 4-wire smoke detectors and contact devices (e.g. pull stations). All Flexput circuits and relay outputs are individually mappable from the Silent Knight FACP.

COMPATIBILITY

The 5895XL is compatible with the following Silent Knight FACP:

- 6820/EVS (16 max. per panel)
- 6808 (8 max. per panel)
- 6700 (8 max. per panel)
- 5820XL/-EVS (8 max. per panel)
- 5808 (8 max. per panel)
- 5700 (8 max. per panel)

FEATURES AND BENEFITS

- Complies with UL 864 10th Edition and ULS 2572 2nd Edition Standards
- Provides 6.0 amps output power
- Uses Flexput I/O circuits, 3A each, programmable as notification circuits, auxiliary power, circuits, or initiation circuits
- Supports Class A and Class B configuration of the SBUS and Flexput circuits
- Includes Two Form C programmable relays rated at 2.5A @ 24 VDC
- Ground loop isolation and transient protection
- SBUS optical isolation and re-conditions the RS-485 signal
- Built-in synchronization compatible with appliances from System Sensor®, AMSECO®, Gentex®, and Wheelock®
- Up to 6,000 foot wiring distance from the 5895XL
- Battery charging capacity is 35AH
- Offers a large cabinet size that can house the following:
 - two 18AH backup batteries
 - RBB accessory cabinet that can house battery sizes larger than 18AH
- Allows space to mount two 6815 or 5815XL SLC expander modules
- Provides transient protection
- SBUS repeater conditions the RS-485 signal 5895XL
- Six onboard Flexput circuits programmable for the following:
 - Notification appliance circuits (Class B/Class A)
 - Conventional initiation circuits (Class B/ Class A) both 2- and 4-wire
 - Auxiliary power (for door holders, continuous power, or resettable power)



5895XL TECHNICAL SPECIFICATIONS

PHYSICAL

Mounting Dimensions:

14.05"W x 24.75"H x 3.09"D

(36.08 cm W x 62.09 cm H x 9.08 cm D)

Overall Dimensions:

16.01"W x 26.04"H x 4.01"D

(40.6 cm W x 67.0 cm H x 11.8 cm D)

Color: Red

ENVIRONMENTAL

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

Humidity: 10%–93% non-condensing

ELECTRICAL

Primary AC: 120 VRMS, 50 or 60Hz, 2.5A

Total Accessory Load: 6A @ 24VDC

Currents:

Standby: 40mA

Alarm: 160mA

SBUS Standby & Alarm: 10mA

Flexput Circuits:

Notification: 3 amps per circuit
(6A system total)

Initiation: 100mA power-limited @ 24VDC

ORDERING INFORMATION

5895XL: Intelligent Distributed Power Module, red, 120VAC operation

Specify 120 VAC operation when ordering.

ACCESSORIES

RBB: Remote Battery Box Accessory Cabinet. 16" W x 10" H x 6" D
(406 mm W x 254 mm H x 152 mm D)

6815: SLC Expander Module for SK devices

5815XL: SLC Expander Module for SD devices

SK-SCK: Seismic Compliance Kit

STANDARDS AND CODES

The 5895XL complies with the following standards and 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 70
 - NFPA 72

AGENCY LISTING AND APPROVALS

- UL Listed: S35111
- FDNY Approved
- FM Approved

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Honeywell Silent Knight

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

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