

SIMPLE. SMART. RELIABLE.

Fire Alarm Control Systems
from Honeywell Silent Knight

Product Catalog

Honeywell
SILENT KNIGHT

PROVEN PERFORMANCE IN LIFE SAFETY

Founded in 1961, Honeywell Silent Knight designs and manufactures commercial fire alarm and life safety systems. It leads the fire alarm industry with a broad portfolio of products with advanced features and capabilities. Perfect for both simple and complex installs, you'll find Silent Knight at security equipment distributors throughout the United States. Silent Knight's headquarters and manufacturing operations are based in Northford, Connecticut, USA.

THE HONEYWELL SILENT KNIGHT 6000 SERIES



When Silent Knight's on guard, you won't be caught off-guard.

Silent Knight fire systems offer:

- Over 1,100 addressable points with versatile SLC functionality
- Compatible with System Sensor® and Hochiki® devices
- Combination Fire Alarm Control Panel and Emergency Voice System for mass notification
- SWIFT® Class A mesh wireless detection
- Ability to connect addressable panels for single point viewing
- Thorough classroom/on-line training, technical services, Jumpstart™ autoprogramming, SKST configuration and HFSS tools



Protecting what matters most

ADDRESSABLE FIRE ALARM CONTROL PANELS (FACPS)

Silent Knight 6000 Series Features

6700



Up to 100 points for small sized installations

6808



Up to 198 points for medium sized installations

6820 and 6820EVS





Up to 1,110 points for large installations or complex projects

For more information on the 6820EVS see Pages 8-9.

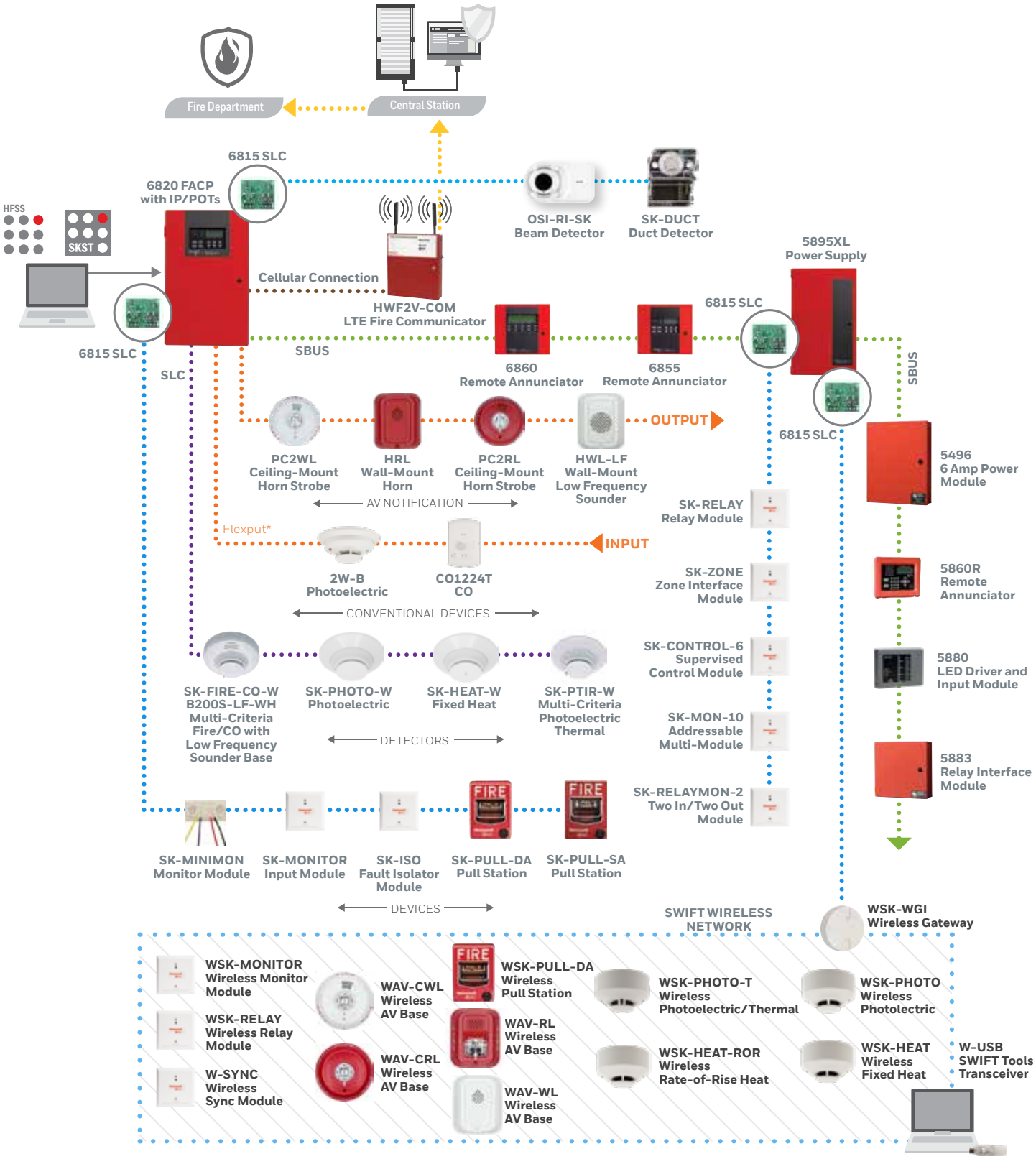
Shared Features and Specifications

- Field upgradeable firmware
- Connect up to 17 panels with convenient single panel visibility of all connected panels
- Built-in IP/POTs and optional cellular communicators
- SWIFT wireless detection
- Supports Class B and Class A configurations
- Distributed, intelligent power
- Three Form C relays: one trouble and two programmable. Rated at 2.5 amps at 24 VDC.
- Automatic drift compensation
- Detector status to perform a NFPA 72-compliant sensitivity check
- Built-in synchronization for System Sensor, Wheelock®, Gentex®, and AMSECO®
- Built-in digital communicator (DACT)

ADDITIONAL FEATURES AND SPECIFICATIONS	6820 and 6820EVS	6808	6700
MAX ADDRESSABLE POINTS - SK (SYSTEM SENSOR) DEVICES	1,110	198	100
MAX ADDRESSABLE POINTS - SD (HOCHIKI) DEVICES	635	127	50
NOTIFICATION APPLIANCE CIRCUITS	6 (expandable to 56)	4 (expandable to 36)	2 (expandable to 34)
POWER SUPPLY	6A	6A	2.5A
SMOKE VERIFICATION	✓	✓	✓
ANSI 3.41 (TEMPORAL) CADENCE	✓	✓	✓
UP/DOWNLOADABLE (IP ONLY)	✓	✓	✓
BUILT-IN RELAY OUTPUTS	3	3	3
MAX REMOTE ANNUNCIATORS	16	12	8
BUILT-IN 80-CHARACTER LCD	✓	✓	✓
ALARM REPORTING BY POINT OR ZONE	✓	✓	
RS-485 ACCESSORY COMM BUS	✓	✓	✓
BUILT-IN SERIAL INTERFACE TO PROGRAM VIA PC	✓	✓	✓
PROGRAMMABLE FOR DAYLIGHT SAVINGS TIME	✓	✓	✓
NON-VOLATILE, 1000-EVENT HISTORY BUFFER	✓	✓	✓
CUSTOMIZABLE TEXT LABELS FOR DEVICE AND MODULES	✓	✓	✓
WATER DELUGE RELEASING SERVICE	✓	✓	✓

6820 SYSTEM EXAMPLE

Example of a complete FACP system using a 6820 FACP. Includes detectors, AV notification appliances, Flexputs, SLC expanders, SWIFT wireless and other devices.



** Flexput Circuits are input or output circuits that can be programmed for NACs, conventional input circuits, or auxiliary power - constant power, door power, or resettable smoke power. Versatility without the cost of additional modules. Also useful for retrofitting existing systems.*

ADDRESSABLE FIRE ALARM DEVICES

Detectors, Modules, Pull Stations, Annunciators, Power Supplies and More

Silent Knight's addressable detectors, modules, pull stations, annunciators and power supplies are specifically engineered to ensure your installs and maintenance are simple and efficient.

Silent Knight addressable FACPs support both System Sensor (SK) and Hochiki (SD) devices although SK and SD devices cannot be mixed together within the same system.

Silent Knight routinely adds new devices to its offering. For the most up-to-date product listing, visit www.silentknight.com.

SK Devices

B200S-WH/B200S-IV Intelligent Sounder Base (White/Ivory)
B200S-LF-WH/B200S-LF-IV Intelligent Low Frequency Sounder Base (White/Ivory)
B200SR-WH/B200SR-IV Sounder Base (White/Ivory)
B200SR-LF-WH/B200SR-LF-IV Low Frequency Sounder Base (White/Ivory)
B300-6/B300-6-IV Intelligent 6-Inch Detector Base (White/Ivory)
B224BI-WH/B224BI-IV Isolator Base (White/Ivory)
B224RB-WH/B224RB-IV Relay Base (White/Ivory)
B501-WHITE/B501-IV Intelligent 4-Inch Detector Base (White/Ivory)
ISO-6 Six Fault Isolator Module
OSI-RI-SK Single-Ended Reflected Beam Detector
SK-CONTROL Supervised Control Module
SK-CONTROL-6 Six Circuit Supervised Control Module
SK-DUCT Photoelectric Duct Detector
SK-FIRE-CO-W Combination Fire and 10-Year CO Detector
SK-HEAT-HT-W 190°F Fixed High Temperature Heat Detector (White)
SK-HEAT-ROR-W 135°F Fixed Temperature Rate of Rise Heat Detector (White)
SK-HEAT-W 135°F Fixed Temperature Heat Detector (White)
SK-ISO Fault Isolator Module
SK-MINIMON Mini Monitor Module
SK-MON-10 Ten Input Monitor Module
SK-MONITOR Monitor Module
SK-MONITOR-2 Dual Monitor Module
SK-PHOTO-R-W Remote Test Capable Detector for DNR/DNW (White)
SK-PHOTO-T-W Photoelectric Thermal Detector (White)
SK-PHOTO-W Photoelectric Detector (White)
SK-PTIR-W Multi-Criteria Photoelectric Detector with Thermal Sensing
SK-PULL-DA Addressable Dual Action Pull Station
SK-PULL-SA Addressable Single Action Pull Station
SK-RELAY Relay Control Module
SK-RELAY-6 Six Relay Control Module
SK-RELAYMON-2 Intelligent Dual Monitor/ Relay Module
SK-ZONE Zone Interface Module
SK-ZONE-6 Six Zone Interface Module

SD Devices

SD500-AIM Addressable Input Module
SD500-ANM Addressable Notification Module
SD500-ARM Addressable Relay Module
SD500-LIM Loop Isolation Module
SD500-MIM Mini-Input Module
SD500-PS/PSDA Single or Dual Action Addressable Pull Station
SD500-SDM Smoke Detector Module
SD505-4AB/SD505-6AB Four/Six-Inch Detector Base
SD505-6IB 6-Inch Isolator Base
SD505-6RB 6-InchAddressable Relay Base
SD505-6SB 6-Inch Addressable Sounder Base
SD505-DTS-K Addressable Duct Detector Test Switch
SD505-DUCT Addressable Duct Housing
SD505-DUCTR Addressable Duct Detector with Built-In Relay
SD505-HEAT Addressable Heat Detector
SD505-PHOTO Addressable Photoelectric Detector

Audible/Visible Devices

Most of our AV devices are available in red or white. Part numbers with an "R" indicate red and "W" white. For more AV options visit www.silentknight.com.

CHSRL/CHSWL Wall chime/strobe
CHSCRL/CHSCWL Ceiling chime/strobe
CHRL/CHWL Wall chime
HCRL-LF/HCWL-LF Ceiling low frequency sounder
HGRL-LF/HGWL-LF Compact wall low frequency sounder
HRL/HWL Wall horn
HRL-LF/HWL-LF Wall low frequency sounder
P2RL/P2WL Wall horn/strobe
P2RL-LF/P2WL-LF Wall low frequency sounder/strobe
P4RL/P4WL Wall horn/strobe (4-wire)
PC2RL/PC2WL Ceiling horn/strobe
PC4RL/PC4WL Ceiling horn/strobe (4-wire)
SRL/SWL Wall strobe
SCRL/SCWL Ceiling strobe
SPSCRL/SPSCWL Ceiling speaker/strobe
SPSRL/SPSWL Wall speaker/strobe
SPRL/SPWL Wall speaker
SPCRL/SPCWL Ceiling speaker

SWIFT Wireless Detection

Uses SK Protocol

WAV-CRL AV Ceiling Base (Red)
WAV-CWL AV Ceiling Base (White)
WAV-RL AV Wall Base (Red)
WAV-WL AV Wall Base (White)
WSK-HEAT Fixed Heat Detector
WSK-HEAT-ROR Rate-of-Rise Heat Detector
WSK-MONITOR Monitor Module
WSK-PHOTO Photo Detector
WSK-PHOTO-T Photo/Thermal Detector
WSK-PULL-DA Pull Station
WSK-RELAY Relay Module
WSK-WGI Gateway
W-SYNC Sync Module
W-USB SWIFT Tools USB Transceiver

Other Devices

5496 Addressable Power Supply
5815XL Signaling Line Circuit for SD Devices
5824 Serial/Parallel Module
5860/5860R Remote LCD Annunciator
5865-3/5865-4 Remote LED Annunciator
5880 LED Input/Output Module
5883 Relay Interface Board
5895XL Intelligent Power Module
6815 Signaling Line Circuit for SK Devices
SK-FML Fiber Optic Card (Multi-Mode) Transmitter/Receiver
SK-FSL Fiber Optic Card (Single-Mode) Transmitter/Receiver
SK-NIC Network Interface Card
SK-NIC-KIT Accessory Cabinet for SK-NIC
SK-SCK Seismic Compliance Kit

REMOTE ANNUNCIATORS

Silent Knight remote annunciators are an indispensable part of any fire system. They can be used to operate and program the FACP from additional locations within the system. In addition to status messages displayed on the LCD, there are LEDs for alarm, supervisory, trouble, silence, and AC power status. On-board piezo sounders audibly indicate alarms, troubles and supervisory conditions.

Remote annunciators communicate with the FACP through an RS-485 connection with wiring up to 6,000 feet from the panel, and they can be flush or surface mounted. When surface mounted, trim rings are available for a seemless look between the wall and annunciator.



6860

- Large 160-character LCD display (4 lines , 40 characters per line)
- Four programmable function keys free-up time spent at the panel executing routine tasks
- Lock and key for secure access
- Surface mount trim ring (RA-100TR)



6855

- 80-character LCD display (4 lines, 20 characters per line)
- Lock and key for secure access
- Surface mount trim ring (RA-100TR)



5860R

- 80-character LCD display (4 lines , 20 characters per line)
- Access via firefighter's key or access code. Special installation code required for programming functions.
- Surface mount trim ring (5860TR)

SWIFT® WIRELESS FIRE DETECTION

SWIFT® (Smart Wireless Integrated Fire Technology) devices seamlessly integrate with existing or new wired installations, providing a unique level of reliability through smart, true mesh technology. With redundant paths of communication, if a wireless path is disrupted, the system automatically heals itself, providing Class A system reliability.

SWIFT is ideal for hard-to-wire locations, buildings where new wiring is not allowed, or for retrofit and temporary applications. Compatible with 6000 Series panels, using SK protocol, with the WSK-WGI gateway communicating via the SLC.

The SWIFT line offers a variety of device options including photoelectric, photo/thermal, fixed heat, and rate-of-rise heat detectors, pull stations, AV bases, and relay, monitor and sync modules.



APPLICATION EXAMPLES

From connecting panels, to utilizing emergency communication systems and SWIFT devices, here are a few examples of how Silent Knight products can be used for specific applications.



Integrated FACP and Emergency Voice Systems

Housed in one panel with associated peripherals; meets UL 2572 requirements for mass notification.

Consider this set-up: 6820EVS, EVS-LOC, EVS-125W, SPSWL, SK-PULL-DA, SK-FIRE-CO-W, SK-DUCT, 5860, and HWF2V-COM



Integrating Wireless Solutions

Integrate SWIFT wireless devices where wiring is discouraged or impractical — places of worship, historical structures, or complex pre-wired sites. SWIFT is also ideal for easy-install fire protection in unfinished structures.

Note that SWIFT operating temperatures are 32°F-122°F.



Consider this set-up: 6808, WSK-WGI, WSK-PHOTO, WSK-PHOTO-T, WSK-HEAT, WSK-HEAT-ROR, WSK-MONITOR, WSK-PULL-DA, WAV-CRL with SCRL, WAV-CWL with PC2WL and W-SYNC.

Fire Systems for Connected Buildings

Improve access to critical indicators while lowering monitoring fees by connecting the fire system using fiber optic or copper wire with one panel handling communications for all connected panels. Central Station communications can be initiated using Contact ID with Alarmnet®, or SIA protocols.



Consider this set-up: 6820, 6808, 6815s, SK-NIC, SK-FML, SK-FIRE-CO-W, SK-PTIR-W, SK-DUCT, SK-PULL-DA, P2WL, SRL, 6860, and HWF2V-COM

Conventional Fire Systems

Designed for small or open buildings where locating precise fire spots is not paramount, but the budget is. Also useful for monitoring sprinkler systems.



Consider this set-up: SK-5208, PS-DA, and an assortment of conventional devices

EMERGENCY VOICE SYSTEMS

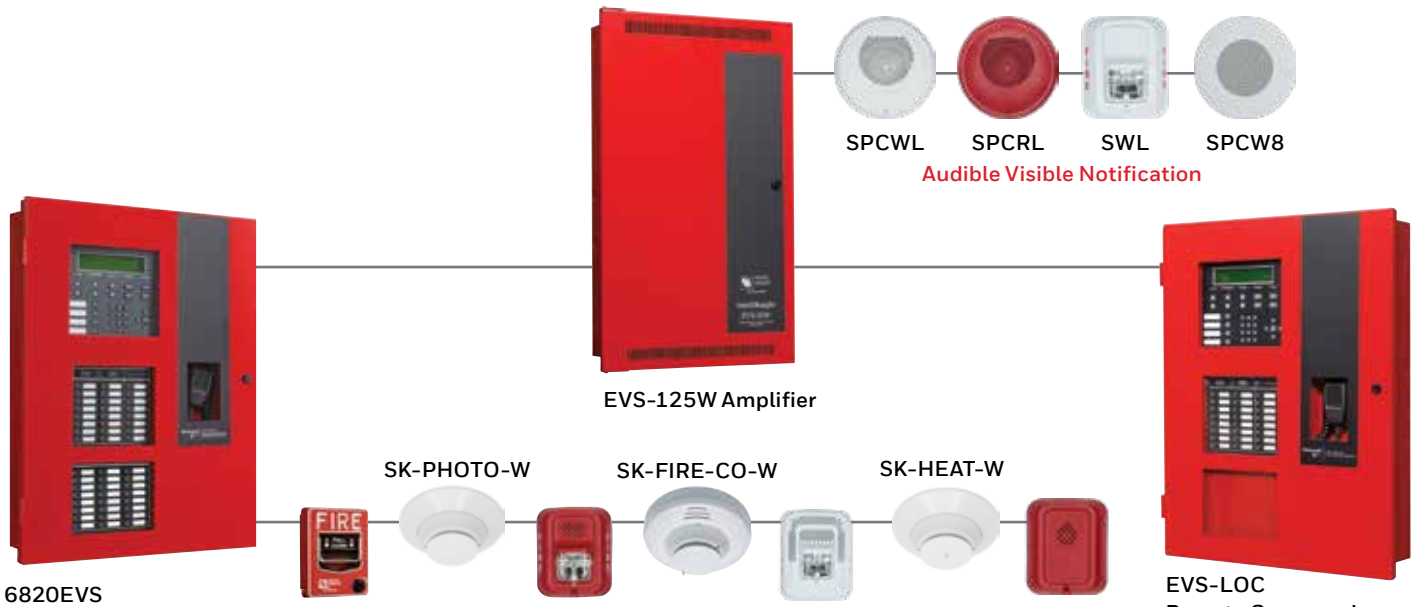
Silent Knight's Emergency Voice System (EVS) product line is a fire and emergency mass notification system conveniently integrated and housed in a single panel, and meets the requirements for mass notification as described in UL 2572. This combination is useful for managing fire and non-fire events where life safety and property protection depends upon clear and timely communications.

Silent Knight's Emergency Voice System (EVS) includes the 6820EVS panel, optional amplifiers, an operator's console, fire fighter telephone system and a wide variety of alarms and audio visual devices. The panel has an on-board supervised microphone, and all call and non-active call buttons that can quickly select all active or all non-active output groups. The system also lets you select an EVS message as a priority over fire.

The FACP has 16 built-in speaker group switches - expandable to 32, and 15 recordable one minute messages that can be mapped to eight different EVS buttons. It has a built-in annunciator with a 160-character (4 line, 40 character) LCD display, and four programmable buttons that can be programmed as needed to minimize time spent executing complex or routine tasks.

This system will help keep those impacted informed of both fire and non-fire emergencies, with real time information and guidance.

EMERGENCY VOICE SYSTEM APPLICATION





6820EVS

Fire alarm control panel with integrated emergency voice communication system

- Large 160 character (4 lines x 40 characters) display
- Four programmable buttons save time at the panel executing routine and complex tasks
- Up to 1,110 points (SK Protocol); 635 (SD Protocol)
- Integrated IP/POTs and optional cellular side-cars
- On-board microphone, 16 speaker groups (expandable to 32), and up to 15 recordable messages
- Supports up to four EVS-50W, EVS-100W or EVS-125W amplifiers; maximum of 500 watts. Each amplifier has four built-in speaker circuits expandable to eight.

For more information see Pages 3 and 8



EVS-LOC

- Combination supervised remote microphone and annunciator compatible with the 6820EVS
- Makes access to the communication system easier when immediate and timely communications are essential
- Up to four EVS-LOCs can be added to a compatible emergency voice system



SKE-450

- Voice evacuation system that delivers clear voice messages
- 50 watts, built-in digital message repeater, power supply, and two alarm inputs
- Message repeater, power supply, and two alarm inputs
- Field programmable messages and fully supervised speaker circuits



SK-FFT

- Fire Fighters Telephone Communication System
- Control and annunciation of up to 48 remote fire fighter telephone jacks with intuitive LEDs that help you locate trouble quickly
- A maximum of 10 fire fighter remote handsets can be used at one time



Three options for audio amplification:
EVS-50W 50 watt amplifier
EVS-100W 50/100 watt amplifier with built-in backup
EVS-125W 125 watt amplifier

Additional Accessories
EVS-INT50W 50 Watt internal amplifier
EVS-CE4 Circuit Audio Expander
EVS-SW24 24 Switch Expander
EVS-VCM Voice Control Module

POWER SUPPLIES



5499 and 5495 Distributed Power Supplies

The 5499 (9 amps) and 5495 (6 amps) notification power expanders provide AC power connection, a battery charging circuit and backup battery support for compatible fire alarm control panels. Their switch mode power supply design is up to 50% more efficient than linear mode power supplies. They include built-in synchronization for appliances from System Sensor, Gentex, Wheelock and others.



5895XL and 5496 Intelligent Power Supplies

The 5895XL and 5496 intelligent power modules are 6 amp notification power expanders that provide AC power connection, a battery charging circuit, and backup battery support for use with Silent Knight addressable fire alarm control panels. The 5895XL also provides a conditioned SBUS circuit allowing up to an additional 6,000 feet of wiring for SBUS devices.

FIRE COMMUNICATORS



HWF2V-COM and HWF2A-COM LTE Communicators

- Verizon (HWF2V-COM) and AT&T (HWF2A-COM) models available
- Provides single or dual path communications through three selectable reporting paths - LTE cellular, IP or IP primary/LTE cellular backup
- Connects directly to the communication ports of the FACP digital alarm communicator transmitter (DACT)
- Communications are sent to the AlarmNet Network Control Center



5104 Digital Fire Communicator

- A six-zone stand-alone or adjunct communicator (Universal Digital Alarm Communicator Transmitter) reporting through POTs lines
- Can be used as a stand-alone sprinkler supervisory control panel for supervised waterflow bell output
- Six fully supervised inputs including one Class A and five Class B



SK-IP-2

- Remote reporting via the Internet. Requires a VisorAlarm® receiver at the central station.
- Metal enclosure mounts next to the FACP
- Two supervised inputs and two additional outputs

CONVENTIONAL FIRE ALARM CONTROL PANELS

Silent Knight conventional fire alarm control panels include basic 2 to 10 zone panels, with optional zone expansion, remote annunciators, pull stations and related accessories. Built-in synchronization for System Sensor, Wheelock, Gentex, and AMSECO. All zones are compatible with listed 2- or 4-wire smoke detectors.

CONVENTIONAL FEATURES			
	SK-5208	SK-4	SK-2
Number of Class B Zones	10 (exp. to 30)	4	2
Notification Appliance Circuits	4	2	1
Power Supply (24VDC)	6.0A	2.5A or 5.0A	2.5
Alarm Verification	✓	✓	✓
ANSI 3.41 (Temporal) Cadence	✓	✓	✓
Up/Downloadable	✓		
Communicator	✓	Optional	Optional
Built-In Relay Circuits	4	3	2
Remote Annunciator	LCD	LED	
Auxiliary Power	1.0A	0.5A	0.5A



SK-5208

- Ten zone panel (expandable to 30), LCD display and programmable touchpad
- Supervised zone expanders and I/O modules can be mounted remotely from the main control



SK-4

- Four zone panel
- Form C alarm, supervisory and trouble relays
- Optional module converts all 4 IDCs and 2 NACs to Class A
- Silent or audible walk test operation
- Disable switches provided per zone



SK-2

- Two zone panel
- Form C alarm and trouble relays
- Silent or audible walk test operation
- Disable switches provided per zone

Accessories

SK-5208 Accessories

SK-5217 10-Zone Expander
SK-5235 Remote LCD Annunciator
SK-5280 Status Display Module
5660 Silent Knight Software Suite (SKSS) (available on website only)
5824 Serial/Parallel Module

SK-4 Accessories

SK-DP2/4 Dress Panel
SK-4RB Repair Board
SK-CAC4 Class A Converter
SK-4XTM Transmitter Module
SK-4XLM LED Interface Module
SK-XRM24 110 Volt Transformer 3-6A
SK-RZA4 Remote Annunciator
SK-4XZM Zone Relay Module
TR-1-R Semiflush Mount Trim Ring

SK-DP2 Accessories

SK-DP2/4 Dress Panel
SK-2RB Repair Board
SK-4XTM Transmitter Module
RBB Remote Battery Box
Accessory Cabinet
TR-1-R Semiflush Mount Trim Ring

Conventional Pull Stations

Can be reset with Silent Knight enclosure keys. Optional surface mount back boxes.
PS-SATK Single Action Metal (Weatherproof)
PS-DATK Dual Action Metal (Weatherproof)
PS-SA Single Action Lexan
PS-DA Dual Action Lexan
PS-DASP Dual Action Spanish Language Lexan
PS-DAH Dual Action Hex Key Lexan
PS-DALOB Dual Action Listed Outdoor w/Back Box Lexan



PS-DATK

PS-DA

For more information, visit:
www.silentknight.com

Contact our sales team:
www.silentknight.com/SalesMap

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