Fire Alarm Control Systems

Simple.
Smart.
Reliable.

SILENT KNIGHT
by Honeywell
SILENT KNIGHT’S EVS SERIES PROVIDES AN ADDRESSABLE FIRE ALARM WITH A POWERFUL VOICE

Fire Alarm + Emergency Voice System
Most experts recommend the use of a combined fire alarm and emergency voice system due to the fire alarm’s robustness and strict adherence to NFPA 72 code. Silent Knight’s long history of providing highly reliable fire alarm systems continues with the new 5820XL-EVS integrated fire alarm and emergency voice system. This system provides a solution for protecting people and property all in one package.

Distributed Intelligence Provides Design Flexibility
Up to four 50, 100, or 125 watt amplifiers can be distributed throughout the building allowing flexible design to put power where you need it and significantly reduce speaker wire runs. The 5820XL-EVS is a non-proprietary system that will keep occupants informed of both fire and non-fire emergencies with real time information directing them to safety, whether that means to evacuate or go to a specific place of refuge.

5820XL-EVS
- A market favorite for large, non-proprietary fire alarm now includes a voice system
- Large point capacity allows the system to grow as the application grows
  - Up to 792 points using SK protocol
  - Up to 508 points using SD protocol
- Highly reliable control panel reduces false alarms
- Easy to use and intuitive system
- Provides life safety detection and communication to facility residents where and when they need it
- Meets NFPA 72 requirements as an Emergency Communication System.
  - UL 2572 Listed
- EVS-SW24 adds 24 output group switches

EVS-RCU
- Remote Control Unit
- Qualifies as a Local Operators Console, or LOC, with a button to request control of the Emergency Communication System
- Contains 8 buttons for emergency messages
- EVS-SW24 adds 24 output group switches
- Up to four EVS-RCU

EVS-50W, EVS-100W, and EVS-125W
- Amplifiers in three sizes
  - 50 Watts – EVS-50W – 25 or 70.7 Vrms
  - 125 Watts – EVS-125W – 25 Vrms only
  - 100 Watts – EVS-100W – 25 or 70.7 Vrms
- Can be located away from the control saving money on speaker wire runs
- EVS-50W and EVS-125W have 4 built-in speaker circuits expandable to 8 with the EVS-CE4
- EVS-100W has 8 speakers circuits
- EVS-100W has a backup amplifier option with the EVS-100WBU backup card
- 520Hz speaker tone option with the EVS-100W

EVS-INT50W
- 50 Watts
- One speaker circuit
- 25 or 70.7 VRMS
- Mounts in 5820XL-EVS cabinet
- 520 Hz speaker tone option

Emergency Voice System Application

Third Party Input

Amplifier

Speakers

Remote Command Unit

Fire Alarm Control and Emergency Voice System

SLC Loop
EMERGENCY COMMUNICATIONS SYSTEMS

SKE-450 Voice Evacuation System
Silent Knight’s SKE-450 helps you meet compliance needs for areas of assembly where voice evacuation is required. The signature of the SKE-450 is its best-in-class 50-watt amplifier. It’s just the edge you need to be even more competitive in your bids. When it comes to value, the SKE-450 speaks volumes. Our free downloadable voice prompts give you unprecedented access to evacuation instruction messages. Simply download these professionally-recorded messages from our website and upload them to your system. No additional chips to buy! Plus, our SKE-450 works with any fire system, so compatibility is never an issue. A built-in digital message repeater, microphone, and power supply with battery charger round out this solid voice evac solution.

SKE-450 Features
- Speaker circuits are fully supervised, short-circuit and overload protected
- Speaker circuits are power limited
- Delivers clear voice messages even in noisy environments
- Easy dip switch programming
- Simple to install, program and operate
- 50-Watt Amplifier
- Built-In Digital Message Repeater
- Built-In Power Supply /Batt Charger
- Built-In Microphone
- Downloadable Voice Prompts
- Expandable to four or six speaker circuits

SK-FFT Fire Fighter Telephone System
Silent Knight Fire Fighter Telephone, is a 24 zone system expandable to 48 zones. It provides supervision and annunciation for local and remote telephone handsets. The FFT can be configured so that each fire fighter phone jack can be addressed or multiple jacks assigned to a single address providing you with the most flexibility for your system design.

The FFT is easy to install with one button programming of the entire fire fighter telephone system. It has the capacity to tackle larger jobs with up to 48 remote telephone jacks. The SK-FFT allows you to have up to 10 fire fighter remote handsets (FFT-RHS) plugged in at one time.

Features
- Single phone circuit to run for installation simplifies system design
- Large capacity addressable system provides flexibility to do large and small jobs
- FFT- HSC holds up to 10 remote handsets with system supporting up to ten handsets plugged in at one time
- One button programming saves you time and money
- Simple to read system LEDs help you locate trouble quickly
- The SK-FFT has its own SLC loop meaning no points are taken from the FACP

System Components
- SK-FFT Fire Fighter Telephone Control Panel
- FFT-24 24 Zone Expander
- FFT-RHS Remote Handset
- FFT-HSC Handset Cabinet. Holds up to 10 handsets
- FFT-FPJ Fire Phone Jack
- FFT-STSR Single Telephone Station Recess Mount. A lockable cabinet containing one remote handset
- FFT-STSS Single Telephone Station Surface Mount. A lockable cabinet containing one remote handset
- FFT-BGK Break Glass Kit. This is an option for the single Telephone station cabinets to enable entry by breaking a glass panel
### IntelliKnight 5820XL
- Supports Class B and Class A configuration for SLC
- Distributed, intelligent power
- Three Form C relays; One is trouble, and two are programmable rated at 2.5 amps at 24 VDC
- 6 Flexput™ Input/Output circuits
- Class A support for SBUS and Flexput circuits
- Compatible with Plex-1 Door Accessory
- Compatable with 5815XL Signal Line Circuit Expander
- Automatic drift compensation
- Detector status to perform a NFPA 72-compliant sensitivity check
- No twisted pair or shielded wire required
- Built-in synchronization for System Sensor®, Wheelock, Gentex®, Faraday, and AMSECO
- Built-in digital communicator

### IntelliKnight 5808
- Supports Class B and Class A configuration for SLC
- Distributed, intelligent power
- Three Form C relays; One is trouble, and two are programmable rated at 2.5 amps at 24 VDC
- Class A support for SBUS
- Compatible with Plex-2 Door Accessory
- Automatic drift compensation
- Detector status to perform a NFPA 72-compliant sensitivity check
- No twisted pair or shielded wire required
- Built-in synchronization for System Sensor®, Wheelock, Gentex®, Faraday, and AMSECO
- Built-in digital communicator

### IntelliKnight 5700
- Supports Class B and Class A configuration for SLC
- Distributed, intelligent power
- Three Form C relays; One is trouble, and two are programmable rated at 2.5 amps at 24 VDC
- 13 pre-programmed output cadences (including ANSI-3.41/Temporal), and 4 programmable outputs
- Notification circuits can be configured as 1 Class A or 2 Class B, or auxiliary power for resettable, constant, or door holder power
- Compatible with DF-50 Dead Front Panel
- Automatic drift compensation
- Detector status to perform a NFPA 72-compliant sensitivity check
- No twisted pair or shielded wire required
- Built-in synchronization for System Sensor®, Wheelock, Gentex®, Faraday, and AMSECO
- Built-in digital communicator

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<td>792</td>
<td>198</td>
<td>100</td>
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<tr>
<td>Addressable Points (max) SD Devices</td>
<td>508</td>
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<tr>
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<td>4 (exp. to 36)</td>
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<td>6A</td>
<td>2.5A</td>
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<td>3</td>
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<td>Remote Annunciator LCD, LED</td>
<td>LCD, LED</td>
<td>LCD, LED</td>
<td>LCD, LED</td>
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<tr>
<td>Built-In 80-Character LCD</td>
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<td>Alarm Reporting by Point or Zone</td>
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<tr>
<td>USB Programming Connector</td>
<td>•</td>
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<tr>
<td>Non-Volatile, 1000-Event History Buffer</td>
<td>•</td>
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<tr>
<td>Customizable Text Labels for Device &amp; Modules</td>
<td>•</td>
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<tr>
<td>Water Deluge Releasing Service</td>
<td>•</td>
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</tbody>
</table>
Our IntelliKnight Series boasts a complete line of accessories that lets you bring unparalleled functionality and control to any job. IntelliKnight’s addressable power supplies, bases, detectors, modules and pull stations are all specifically engineered to ensure your installs and maintenance remain simple and economical. Combine these accessories with the IntelliKnight’s built-in digital communicator for the most powerful and easy-to-use addressable solution in the industry. All of our accessories are compatible with all three of our addressable fire alarm control panels.

SK DEVICES
- SK-FIRE CO Combination Fire and CO Detector
- SK-PHOTO Photoelectric Detector
- SK-PHOTO-T Photoelectric Thermal Detector
- SK-HEAT 135°F Fixed Temperature Detector
- SK-HEAT-HT 190°F Fixed High Temperature Detector
- SK-HEAT-ROR 135°F Fixed Temperature Rate of Rise Detector
- B200SR Sounder Base
- B200S Intelligent Sounder Base
- B224BI Isolator Base
- B224RB Relay Base
- SK-ACCLIMATE Multi-Criteria Photoelectric Detector with Thermal Sensing
- SK-CONTROL Supervised Control Module
- SK-CONTROL-6 Six Circuit Supervised Control Module
- SK-RELAY Relay Control Module
- SK-RELAY-6 Six Relay Control Module
- SK-ZONE Zone Interface Module
- SK-ZONE-6 Six Zone Interface Module
- SK-MONITOR Monitor Module
- SK-MON-10 Ten Input Monitor Module
- SK-MINIMON Mini Monitor Module
- SK-ISO Fault Isolator Module
- B200S-LF Intelligent low frequency sounder base
- B220SR-LF Low frequency sounder base
- ISO-6 Six fault isolator module
- SK-Relaymon-2 Intelligent dual monitor/relay module

SD DEVICES
- SD505-HEAT Addressable Heat Detector
- SD505-PHOTO Addressable Photoelectric Smoke Detector
- SD505-6SB 6” Addressable Sounder Base
- SD505-6RB 6” Addressable Relay Base
- SD505-6IB 6” Isolator Base

ADDITIONAL 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-DUCT Addressable Duct Housing
- SD505-DUCTR Addressable Duct Detector with Built-In Relay
- SD505-DTS-K Addressable Duct Detector Test Switch

SBUS DEVICES
- 5895XL Intelligent Power Module
- 5496 Addressable Power Supply
- 5883 Relay Interface Board
- 5865-3/5865-4 Remote LED Annunciator
- 5860/5860R Remote LCD Annunciator
- 5824 Serial/Parallel Module
- 5880 LED Input/Output Module

FIRE COMMUNICATORS
- 5104 Digital Fire Communicator
- IP Communicator
- IPGSM-4G Communicator

- Use stand-alone or as adjunct communicator (Universal Digital Alarm Communicator Transmitter)
- Supervised notification circuit rated at .35A (not for evacuation purposes)
- Automatic self test every 4, 6, 12, or 24 hours with report sent to the central station
- 6 supervised input Channels
- Supervised Waterflow Bell Output
- 60 hours of stand-by power
- Save money and decrease response time. Monitor your fire alarm systems over the internet by connecting the Silent Knight IP Communicator to any Silent Knight Fire Alarm Control Panel or dialer.
  - Compatible with VisorALARM PLUS 2U IP Alarm Receiver
  - SK-IP-2/2UD includes UL listed enclosure
  - SK-IP-2UD allows up/downloading (5820XL and 5808 only)
  - Eliminates telephone lines for communication to central station
- Multi-GSM platform technology allows the communicator to seamlessly self adjust for operation over available cellular networks
- Eliminates the need for troublesome POTS lines while replacing them with IP or GSM communications
- Three field selectable modes of operation (IP connectivity with GSM cellular backup, IP only, or GSM only)
- Can be programmed at the office and then installed with a single button at the job site.
- Operates through the Alarmnet(SIM included) using 256 Bit AES encryption protocol.
SK-Conventional Series

2- to 30-Zone Fire Alarm Control Panels (FACPs)

Whether your installation calls for 2 zones or 30 zones, we’ve got you covered. Our entire SK-Conventional Series boasts power and features you won’t find in panels that cost twice as much. So now you’ll have access to more of the jobs you want—new or retrofit. The SK-5208, compatible with both 2- and 4-wire smoke detectors, is an all-in-one control panel and digital communicator, and also has a built-in LCD display. With full English readouts, your programming and maintenance become a snap. Of course, as with all of our conventional panels, you’ll appreciate how fast and easy it is to install, program and maintain. Our built-in power supplies handle power-hungry peripherals with ease. Put any one of these panels to the test, and you’ll find they really do defy convention.

SK-5208 (10- to 30-Zone) Features
- Built-in UL-listed digital communicator
- Built-in LCD display provides English readouts
- 10 zones — 10 Class B or 8 Class B and 2 Class A Style D
- 4 notification appliance circuits (Class B)
- Programmable from built-in touchpad

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 (4-Zone) Features
- Form C Alarm, Supervisory and Trouble relays
- Optional module that converts all 4 IDCs and 2 NACs to Class A

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-XRMZ4 110 Volt Transformer 3-6A
- SK-RZA4 Remote Annunciator
- SK-4XZM Zone Relay Module
- TR-1-R Semiflush Mount Trim Ring

SK-4 and SK-2 (2-Zone) Features
- Form C Alarm and Trouble relays
- 240 VAC primary (SK-2E only)

SK-2 and SK-2E 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 FIRE ALARM CONTROL PANELS

5499 and 5495 Distributed Power Supplies

This dynamic duo of NAC expanders packs quite a punch. Available with a whopping 9 or 6 amps of power, you can meet the needs of even the most power-hungry notification appliances. They also deliver built-in synchronization for appliances from System Sensor®, Wheelock, Gentex®, Faraday, and AMSECO. Their switch-mode design is up to 50% more efficient than competitive linear mode power supplies, and set-up is simple with easy dip-switch programming. ADA retrofits are easier and less expensive, because these power supplies integrate into current systems without costly new components.

Power Supply Features

<table>
<thead>
<tr>
<th>Power Supply Features</th>
<th>5499</th>
<th>5495</th>
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<tbody>
<tr>
<td>Power Output</td>
<td>9A/24VDC</td>
<td>6A/24VDC</td>
</tr>
<tr>
<td>Number of Outputs</td>
<td>4 + Aux</td>
<td>4 + Aux</td>
</tr>
<tr>
<td>Maximum Output per CKT</td>
<td>3A</td>
<td>3A</td>
</tr>
<tr>
<td>Auxiliary Power Output</td>
<td>3A</td>
<td>3A</td>
</tr>
<tr>
<td>Ground Fault Detection</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Trouble Relay</td>
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<tr>
<td>Standalone Operation</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>ANSI 3.41 (Temporal) Cadence</td>
<td>•</td>
<td>•</td>
</tr>
<tr>
<td>Activation --&gt;&gt; Reverse Polarity/Contact</td>
<td>•</td>
<td>•</td>
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<tr>
<td>Class A or B Operation</td>
<td>•</td>
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</table>
Silent Knight Fire Alarm Systems

Education: Schools and Universities

**Fire Alarm Systems That Work for Your Schools**

- Cost effective non-proprietary systems for retrofit or new construction as existing wiring can be used
- Systems that grow with schools and campuses
- Emergency Communications Systems for reliable notification
- Silent Knight is proud of their long history of serving the education community, building a strong reputation based on many satisfied customers.

Health Care Facilities: Clinics, Senior Living, and Hospitals

**Superior Life Safety for Healthcare Facilities**

- Integrated Emergency Communications System in the fire alarm control panel simplifies installation and operation
- Safe solutions for individual rooms offer flexibility and confidence
- Minimized nuisance alarms

- With Silent Knight’s large point capacity systems you can have complete coverage of your facility and maintain ADA compliance.

Hospitality: Hotels, Entertainment and Restaurants

**Effective Fire Protection for Guest Safety**

- Ease of programming reduces installation time for small and large projects
- Distributed power supplies enable more effective use of power for notification
- Advanced smoke and CO detection available for difficult areas prone to false alarms

- From a small point capacity system to a larger point capacity system with built-in Emergency Communication, Silent Knight has the system to match the building you are protecting.

Places of Assembly: Religious, Community and Sports Centers

**The Right Emergency Systems for the Gathered Community**

- Emergency Communications capabilities integrated with the fire alarm controls ensures the right message gets to the occupants
- Functional systems design allows flexibility to meet current and future facility needs
- Highly reliable fire alarm system

- The EVS control panel uses distributed amplifiers, enabling location of the amplifiers where the speaker circuits are located, eliminating long wire runs.

About Silent Knight

Founded in 1961, Silent Knight designs and manufactures commercial fire alarm and life safety systems. As part of Honeywell Security and Fire, Silent Knight is a leader in the fire alarm industry with its broad portfolio of products which are available through security equipment distribution throughout the United States. Silent Knight’s headquarters and manufacturing operations are based in Northford, CT.