

Fire Alarm Control Systems

Simple.

Smart.

Reliable.

IntelliKnight™ Series



**SILENT
KNIGHT**

by Honeywell

EMERGENCY COMMUNICATIONS SYSTEMS

INTELLIKNIGHT'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-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



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



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

FIRE FIGHTER TELEPHONE



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

ADDRESSABLE FIRE ALARM CONTROL PANELS



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
- Compatible 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



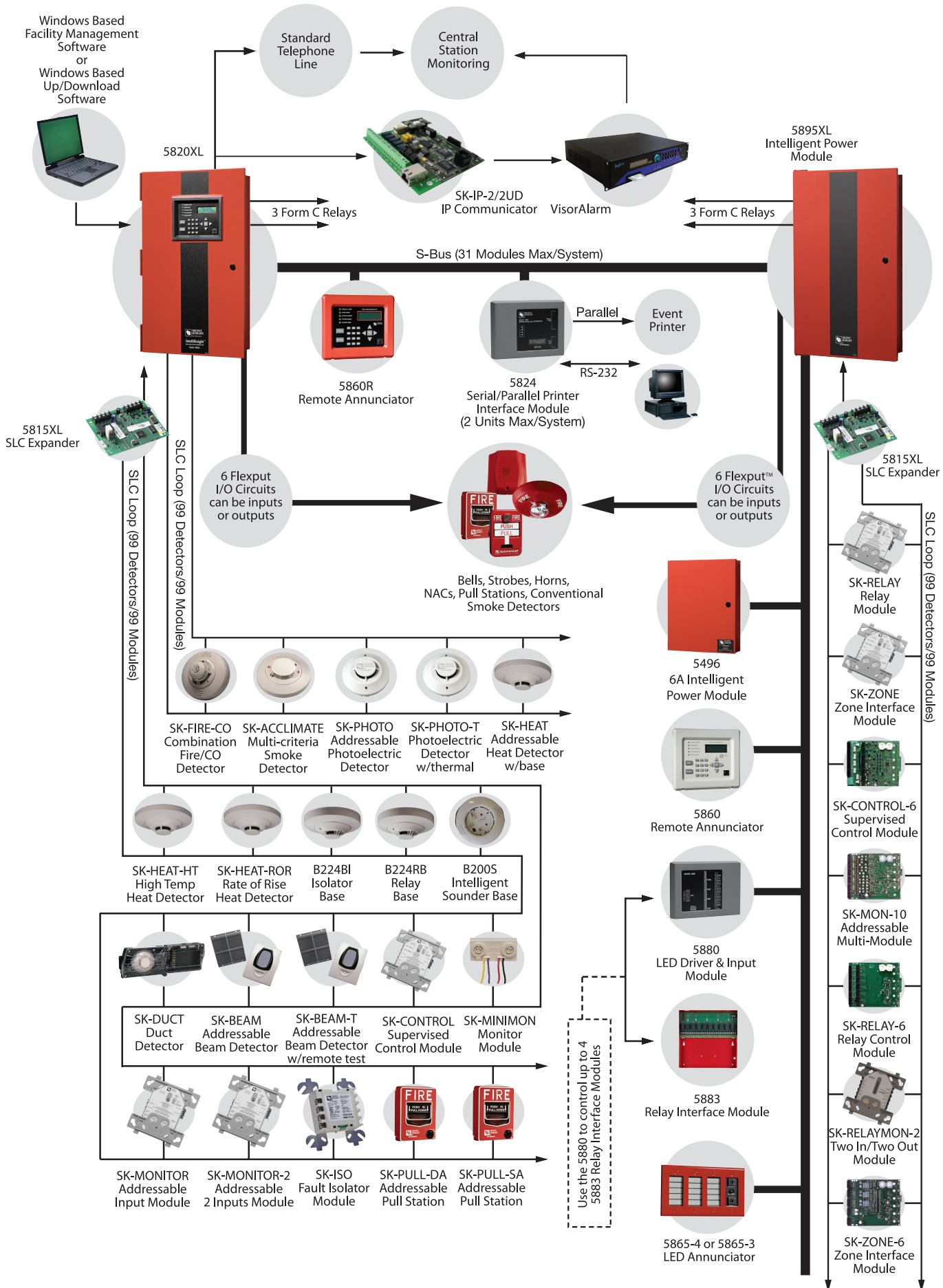
IntelliKnight 5700

- 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

Addressable Features	5820XL	5808	5700
Addressable Points (max) SK Devices	792	198	100
Addressable Points (max) SD Devices	508	127	50
Notification Appliance Circuits	6 (exp. to 56)	4 (exp. to 36)	2 (exp. to 34)
Power Supply	6A	6A	2.5A
Smoke Verification	•	•	•
ANSI 3.41 (Temporal) Cadence	•	•	•
Up/Downloadable	•	•	•
Built-In Digital Communicator	•	•	•
Built-In Relay Outputs	3	3	3
Remote Annunciator	LCD, LED	LCD, LED	LCD, LED
Built-In 80-Character LCD	•	•	•
Alarm Reporting by Point or Zone	•	•	•
RS-485 Accessory Comm Bus	•	•	•
Built-In Serial Interface to Program via PC	•	•	•
USB Programming Connector	•	•	•
Non-Volatile, 1000-Event History Buffer	•	•	•
Customizable Text Labels for Device & Modules	•	•	•
Water Deluge Releasing Service	•	•	•

IntelliKnight 5820XL

Addressable Fire Alarm System with Silent Knight Devices



ADDRESSABLE FIRE ALARM ACCESSORIES

Power Supplies, Detectors, Modules, Annunciators, Bases and More

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-DUCT** Photoelectric Duct Detector
- SK-BEAM** Single-Ended Reflected Beam Smoke Detector
- SK-BEAM-T** Single-Ended Reflected Beam Smoke Detector with Integrated Sensitivity Test
- SK-MONITOR-2** Dual Monitor Module
- 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
- B200SR-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

- 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



IP Communicator

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



IPGSM-4G Communicator

- 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.

CONVENTIONAL FIRE ALARM CONTROL PANELS



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.

SK5208 (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-XRM24 110 Volt Transformer 3-6A

SK-RZA4 Remote Annunciator

SK-4XZM Zone Relay Module

TR-1-R Semiflush Mount Trim Ring

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 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)	6A	2.5A or 5.0A	2.5A
Alarm Verification	•	•	•
ANSI 3.41 (Temporal) Cadence	•	•	•
Up/Downloadable	•		
Communicator	•	optional	optional
Built-In Relay Outputs	4	3	2
Remote Annunciator	LCD	LED	
Auxiliary Power	1 amp	.5 amp	.5 amp

CONVENTIONAL MANUAL PULL STATIONS



Features

- Weatherproof model approved for outdoor use (PS-SATK and PS-DATK)
- Surface mount back boxes available
- Reset with the same keys as Silent Knight enclosures

MANUAL PULL STATIONS

PS-SATK Single Action Metal

PS-DATK Dual Action Metal

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

POWER SUPPLIES

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	5499	5495
Power Output	9A/24VDC	6A/24VDC
Number of Outputs	4 + Aux	4 + Aux
Maximum Output per CKT	3A	3A
Auxiliary Power Output	3A	3A
Ground Fault Detection	•	•
Trouble Relay	•	•
Standalone Operation	•	•
ANSI 3.41 (Temporal) Cadence	•	•
Activation -->> Reverse Polarity/Contact	•	•
Class A or B Operation	•	•

PROVEN APPLICATIONS

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.

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.

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 utmost detection accuracy

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

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.



**SILENT
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by Honeywell

About Silent Knight

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

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