SIMPLE. SMART. RELIABLE.

Fire Alarm Control Systems from 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
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

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

<table>
<thead>
<tr>
<th>SK Devices</th>
<th>SD Devices</th>
<th>SWIFT Wireless Detection</th>
</tr>
</thead>
<tbody>
<tr>
<td>B2000RF-WH/B2000RF-IV Sounder Base (White/Ivory)</td>
<td>SD500-ARM Addressable Relay Module</td>
<td>WAV-CWL AV Ceiling Base (White)</td>
</tr>
<tr>
<td>B300-6/B300-6-IV Intelligent 6-Inch Detector Base (White/Ivory)</td>
<td>SD500-MIM Mini-Input Module</td>
<td>WAV-WL AV Wall Base (White)</td>
</tr>
<tr>
<td>B224BI-WH/B224BI-IV Isolator Base (White/Ivory)</td>
<td>SD500-PS/PSDA Single or Dual Action Addressable Pull Station</td>
<td>WSK-HEAT Fixed Heat Detector</td>
</tr>
<tr>
<td>B224RB-WH/B224RB-IV Relay Base (White/Ivory)</td>
<td>SD500-SDM Smoke Detector Module</td>
<td>WSK-HEAT-RRD Rate-of-Rise Heat Detector</td>
</tr>
<tr>
<td>B501-WHITE/B501-IV Intelligent 4-Inch Detector Base (White/Ivory)</td>
<td>SD505-4AB/SD505-6AB Four/Six-Inch Detector Base</td>
<td>WSK-MONITOR Monitor Module</td>
</tr>
<tr>
<td>ISO-6 Six Fault Isolator Module</td>
<td>SD505-6IB 6-Inch Isolator Base</td>
<td>WSK-PHOTO Photo Detector</td>
</tr>
<tr>
<td>OSI-RI-5K Single-Ended Reflective Beam Detector</td>
<td>SD505-6RB 6-Inch Addressable Relay Base</td>
<td>WSK-PHOTO-T Photo/Thermal Detector</td>
</tr>
<tr>
<td>SK-CONTROL Supervised Control Module</td>
<td>SD505-6SB 6-Inch Addressable Sounder Base</td>
<td>WSK-PULL-DA Pull Station</td>
</tr>
<tr>
<td>SK-CONTROL-6 Six Circuit Supervised Control Module</td>
<td>SD505-DTS-K Addressable Duct Detector Test Switch</td>
<td>WSK-RELAY Relay Module</td>
</tr>
<tr>
<td>SK-DUCT Photoelectric Duct Detector</td>
<td>SD505-DUCT Addressable Duct Housing</td>
<td>WSK-WGI Gateway</td>
</tr>
<tr>
<td>SK-FIRE-CO-W Combination Fire and 10-Year CO Detector</td>
<td>SD505-DUCTR Addressable Duct Detector with Built-In Relay</td>
<td>W-SYNC Sync Module</td>
</tr>
<tr>
<td>SK-HEAT-HT-W 190°F Fixed High Temperature Heat Detector (White)</td>
<td>SD505-HEAT Addressable Heat Detector</td>
<td>W-USB SWIFT Tools USB Transceiver</td>
</tr>
<tr>
<td>SK-HEAT-ROR-W 135°F Fixed Temperature Rate of Rise Heat Detector (White)</td>
<td>SD505-PHOTO Addressable Photoelectric Detector</td>
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<tr>
<td>SK-HEAT-W 135°F Fixed Temperature Heat Detector (White)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-ISO Fault Isolator Module</td>
<td></td>
<td></td>
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<tr>
<td>SK-MINIMON Mini Monitor Module</td>
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<td></td>
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<tr>
<td>SK-MON-10 Ten Input Monitor Module</td>
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<tr>
<td>SK-MONITOR Monitor Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-MONITOR-2 Dual Monitor Module</td>
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<tr>
<td>SK-PHOTO-R-W Remote Test Capable Detector for DNR/DNW (White)</td>
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<tr>
<td>SK-PHOTO-T-W Photoelectric Thermal Detector (White)</td>
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<tr>
<td>SK-PHOTO-W Photoelectric Detector (White)</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-PTIR-W Multi-Criteria Photoelectric Detector with Thermal Sensing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-PULL-DA Addressable Dual Action Pull Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-PULL-SA Addressable Single Action Pull Station</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-RELAY Relay Control Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-RELAY-6 Six Relay Control Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-RELAYMON-2 Intelligent Dual Monitor/Relay Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-ZONE-6 Zone Interface Module</td>
<td></td>
<td></td>
</tr>
<tr>
<td>SK-ZONE-6 Six Zone Interface Module</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

**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/HCML-LF** Ceiling low frequency sounder

**HGLR-LF/HGLW-LF** Compact wall low frequency sounder

**HRL/HWL** Wall horn

**HRL-LF/HRLW-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/SCSWL** Ceiling strobe

**SPSRCL/SPSCWL** Ceiling speaker/strobe

**SPSRL/SPSWL** Wall speaker/strobe

**SPRL/SPWL** Wall speaker

**SPCRC/SPCWL** Ceiling speaker

**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 seamless 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 32ºF-122ºF.

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
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

**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

**6820EVS**

**Fire alarm control panel with integrated emergency voice communication system**

- Supports up to eight EVS-50W, EVS-100W or EVS-125W amplifiers; maximum of 1000 watts. Each amplifier has four built-in speaker circuits expandable to eight.
- 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

*For more information see Pages 3 and 8*
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
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 FEATUERS**

<table>
<thead>
<tr>
<th>Feature</th>
<th>SK-5208</th>
<th>SK-4</th>
<th>SK-2</th>
</tr>
</thead>
<tbody>
<tr>
<td>Number of Class B Zones</td>
<td>10 (exp. to 30)</td>
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<td>2</td>
</tr>
<tr>
<td>Notification Appliance Circuits</td>
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<tr>
<td>Power Supply (24VDC)</td>
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<td>Alarm Verification</td>
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<td>✓</td>
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<td>Communicator</td>
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<td></td>
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<tr>
<td>Built-In Relay Circuits</td>
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<td>3</td>
<td>2</td>
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<tr>
<td>Remote Annunciator</td>
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<td>LED</td>
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</tr>
<tr>
<td>Auxiliary Power</td>
<td>1.0A</td>
<td>0.5A</td>
<td>0.5A</td>
</tr>
</tbody>
</table>

**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