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SFS PROJECT# FA24129

OVERVIEW

THE SCOPE OF THIS PROJECT IS TO REPLACE ALL OF THE INITIATING
DEVICES.

CONTENTS

1. HONEYWELL (6820) FIRE ALARM CONTROL PANEL
2. HONEYWELL (SK-PHOTO) SMOKE DETECTOR
3. HONEYWELL (SK-HEAT) HEAT DETECTOR
4. HONEYWELL (SK-PULL-DA) PULL STATION
5. HONEYWELL (SK-MONITOR) MONITOR MODULE

6820

Intelligent Fire Alarm Control Panel with Communicator

The 6820 features an expandable SLC circuit, six Flexput circuits, dual-line DACT, powerful software features, and connectivity for up to 17 panels.

The 6820 is the latest intelligent addressable FACP (Fire Alarm Control Panels) from Silent Knight and is a direct replacement for the 5820XL FACP. The FACP has one built-in SLC (signaling line circuit), which can support 159 System Sensor® SK detectors and 159 SK modules, or 127 Hochiki® SD protocol devices. Additional SLC loops can be added for a maximum of 1110 (SK) or 635 (SD) points per panel.

The built-in digital alarm communicator/transmitter (DACT) is dual technology, IP and POTS. The POTS transmits system status (alarms, troubles, AC loss, etc.) to a Central Station via the public switched telephone network. The IP communicator's internet monitoring capability sends alarm signals over the Internet saving the monthly cost of two dedicated business telephone lines. Although not required, the secondary telephone line may be retained providing backup communication over the public switched telephone line. Optional cellular reporting is available.

The 6820 has six onboard Flexput® circuits that can be configured as notification outputs or auxiliary power. The 6820 also has a form-C trouble relay, and two programmable form-C relays, along with powerful features such as drift compensation, pre-trouble maintenance alert, a built-in sensor test to comply with NFPA 72 calibration testing requirements, and a calibration trouble alert.

A common communications and annunciation link allows up to 17 panels to be connected via copper or fiber optic cable. A designated panel is configured as the communicator for all panels in the link for convenient single-point communications.



FEATURES AND BENEFITS

- Complies with UL 864 10th Edition and UL 2572 2nd Edition Standards
- Expandable SLC loops to 1110 (SK) or 635 (SD) point capacity
- Six Flexput circuits for NAC outputs or auxiliary power
- Selectable strobe synchronization for Amseco®, System Sensor, Wheelock®, and Gentex® devices
- Built-in DACT with IP and optional cellular reporting
- Built-in USB interface for quick and easy programming
- JumpStart® auto programming reduces installation time
- 999 software zones and 999 output groups for flexible design options
- 23 preset notification cadence patterns (including ANSI® 3.41)
- Allows up to 24 SBUS devices
- Four programmable function keys
- Two programmable relays and one fixed trouble relay
- Compatible with SWIFT® wireless devices
- Convenient field-upgradeable firmware
- Common Communications Link for up to 17 sites
- Network card allows copper network connection with a multi-mode or single-mode fiber connection
- Real-time clock/calendar with automatic daylight savings control
- History file with 1,000 event capacity
- Available in a red or black cabinet
- Surface mounting or flush mounting cabinet

USER INTERFACE

LED INDICATORS

- General Alarm (Red)
- Supervisory (Yellow)
- System Trouble (Yellow)
- System Silenced (Yellow)
- System Power (Green)

KEYPAD

- 12-key numeric pad
- Acknowledge
- Alarm Silence
- System Reset
- Drill
- F1-F4 Programmable Function Keys

PROGRAMMING

The 6820 system offers several options to simplify and expedite programming. JumpStart® auto programming minimizes programming required to start a new system. The built-in keypad, or the remote annunciators give on-site access to current system programming. System programming can also be accomplished using the Windows®-based Honeywell Fire Software Suite (HFSS).

ORDERING INFORMATION

6820: Addressable fire alarm control panel, red

COMPATIBLE SBUS DEVICES

6860: 4x40 LCD remote fire annunciator with four programmable buttons, red

5860: 4x20 LCD remote fire annunciator, gray

5860R: 4x20 LCD remote fire annunciator, red

6855: 4x20 LCD remote fire annunciator, red

5865-3: LED annunciators can display up to 30 LEDs (15 red and 15 yellow)

5865-4: LED annunciators can display up to 30 LEDs (15 red and 15 yellow). Key switches for silence and reset, and a system trouble LED

5880: LED I/O module with 40 programmable LED outputs and eight supervised dry contact inputs

5883: Relay interface. Provides 10 Form C relays

5824: Serial/Parallel printer interface module for printer connection

SK COMPATIBLE ADDRESSABLE DEVICES

Note: SK and SD devices cannot be mixed in the same fire alarm system.

SK-ACCLIMATE: Multi criteria photoelectric smoke detector with thermal 135°F fixed temperature

SK-BEAM: Reflected beam smoke detector without test feature

SK-BEAM-T: Reflected beam smoke detector with test feature

OSI-RI-SK: Reflected beam smoke detector, SK protocol

SK-CONTROL: Supervised control module

SK-CONTROL-6: Six circuit supervised control module

SK-DUCT: Photoelectric duct smoke detector with extended air speed range

SK-FIRE-CO: Four criteria fire and carbon monoxide detector

SK-FIRE-CO-W: Four criteria fire and carbon monoxide detector, white

SK-HEAT: Fixed thermal detector (135°F)

SK-HEAT-W: Fixed thermal detector (135°F), white

SK-HEAT-ROR: Fixed rate of rise detector

SK-HEAT-HT: Fixed high temperature thermal detector (190°F)

SK-HEAT-HT-W: Fixed high temperature thermal detector (190°F), white

SK-HEAT-ROR-W: Fixed rate of rise detector, white

SK-ISO: Fault isolator module

SK-MINIMON: Mini monitor module

SK-MONITOR: Monitor module

SK-MONITOR-2: Dual input monitor module

SK-MON-10: 10- input monitor module

SK-PHOTO: Photoelectric smoke detector

SK-PHOTO-W: Photoelectric smoke detector, white

SK-PHOTO-R: Photoelectric detector with remote test capability

SK-PHOTO-R-W: Photoelectric detector with remote test capability, white

SK-PHOTO-T: Photoelectric smoke detector with fixed thermal heat (135°F)

SK-PHOTO-T-W: Photoelectric smoke detector with fixed thermal heat (135°F), white

SK-PTIR-W: Multi criteria photoelectric smoke detector with thermal 135°F fixed temperature, white

SK-PULL-SA Addressable single action pull station

SK-PULL-DA: Addressable dual action pull station

SK-RELAY: Addressable relay module

SK-RELAY-6: Addressable Six relay control module

SK-RELAYMON-2: Addressable Dual relay/monitor module

SK-ZONE: Addressable zone interface module

SK-ZONE-6: Six zone interface module

SK BASES

B210LP: 6" mounting base

B501: 4" Flangeless mounting base

B200S: Intelligent sounder base

B200S-LF: Low-frequency intelligent sounder base

B224RB: Relay base

B224BI: Isolator base

SD COMPATIBLE ADDRESSABLE DEVICES

Note: SK and SD devices cannot be mixed in the same fire alarm system.

SD505-6AB: Addressable 6" base

SD505-6IB: Addressable 6" short circuit isolator base

SD505-6RB: Addressable 6" relay base

SD505-6SB: Addressable 6" sounder base

SD500-AIM: Addressable input module (switch input)

SD500-ANM: Addressable notification module

SD500-ARM: Addressable relay module

SD505-DTS-K: Remote test switch/LED indicator for the SD505-DUCTR

SD505-DUCT: Addressable Duct Smoke Detector
SD505-DUCTR: Addressable Duct Detector housing with relay base
SD505-HEAT: Absolute temperature heat detector. Trip point range from 135°F–150°F (0°C–37°C)
SD500-LIM: Addressable Line isolator module
SD500-MIM: Addressable Mini input monitor module (switch input)
SD505-PHOTO: Photoelectric smoke detector
SD500-PS/-PSDA: Addressable Single or dual action pull station
SD500-SDM: Addressable smoke detector module

SWIFT WIRELESS DEVICES

Note: SWIFT is only compatible with System Sensor (SK) devices. It is not compatible with Hochiki (SD) devices.

WSK-WGI: Wireless gateway
WSK-PHOTO: Wireless photoelectric smoke detector with B501W base
WSK-PHOTO-T: Wireless photoelectric smoke detector with fixed thermal detection (135°F) and B501W base
W-SYNC: Wireless sync module
WSK-HEAT: Wireless, fixed heat detector (135°F) with B501W base
WSK-HEAT-ROR: Wireless rate-of-rise heat detector and B501W base
WSK-MONITOR: Wireless monitor module
WSK-RELAY: Wireless relay module
WSK-PULL-DA: Wireless pull station
WAV-RL, WAV-WL, WAV-CRL, WAV-CWL: Wireless AV bases
W-USB: Wireless USB radio/antenna dongle that plugs into the USB port of a PC running SWIFT Tools
SWIFT Tools: Programming and diagnostic utility for the wireless gateway and devices. Available for download from www.silentknight.com

SYSTEM EXPANDERS

6815: SLC Expander for SK devices
5815XL: SLC expander for SD devices
5895XL: 6A power supply with six Flexput circuits and two Form C relays
5496: 6 amp NAC power expander with four power-limited output circuits

OPTIONAL COMMUNICATORS

CELL-CAB-SK: Cellular communicator, metal enclosure with lock and key
CELL-MOD: Cellular communicator, plastic enclosure
IPGSM-4G: Dual path fire alarm communicator, cellular and/or IP (primary or backup, selectable)
SK-IP -2: Remote reporting via the Internet. Requires a VisorALARM® receiver at the central station

MISCELLANEOUS ACCESSORIES

SK-NIC: Network Interface Card
SK-NIC-KIT: Installation Accessory Kit
SK-FML: Fiber-Optic Multi Mode transmitter and receiver
SK-FSL: Fiber-Optic Single Mode transmitter and receiver
RBB: Remote Battery Box accessory cabinet, holds batteries up to 35AH

SK-SCK: Seismic compliance kit used to fasten batteries to the fire panel

SOFTWARE SOLUTIONS

SKST: Silent Knight Selection Tool provides the installer or design architect with a Windows®-based software system configuration tool to create a detailed bill of material (BOM) and battery calculations

HFSS: Honeywell Fire Software Suite provides remote and local panel programming, detector status, event history and additional data. Databases can be uploaded/downloaded via the panel's USB port using a flash drive. Requires a PC running Microsoft® Windows®.

6820 TECHNICAL SPECIFICATIONS

SYSTEM CAPACITY

- **Intelligent Signaling Line Circuits:** 1 (expandable)
- **Addressable device capacity:** 1110 (SK) or 635 (SD)
- **Programmable software zones:** 999
- **Output groups:** 999
- **Output circuits:** 6 (expandable)
- **SBUS devices:** 24 (16 annunciators, 8 LED modules)

ELECTRICAL

- **AC Power:** 120VAC, 60Hz, 3.3A
- **Standby Current:** 190 mA
- **Alarm Current:** 250 mA
- **Flexput Circuits:** Terminal block provides connections for (six Class B or three Class A) NACs or auxiliary power. Power-limited, supervised circuitry. Maximum current per circuit: 3 A. Cannot exceed 6A total for all circuits. End-of-line resistor: 4.7k ohm, ½ watt for Class B NACs
- **Communication Loop:** Supervised and power-limited, Class A or Class B, 32VDC, 150mA
- **Two Programmable Relays and One Fixed Trouble Relay:** Contact rating: 2.5 A @ 27.4 VDC (resistive), Form C
- **Battery:** Cabinet holds maximum of two 18 AH batteries
- **Battery Charger Capacity:** 7-35 AH

PHYSICAL

Dimensions: 16.4" W x 26.4" H x 4.1" D
(41.66cm W x 67.06cm H x 10.41cm D)
Weight :32 lbs. (14.5 kg.)
Color: Red

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C (32– 120°F) and at a relative humidity 93% ± 2% RH (non-condensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

NFPA STANDARDS

The 6820 complies with the following standards and codes:

NFPA 72
NFPA 13
NFPA 15
NFPA 16
NFPA 70
UL 864 10th Edition

AGENCY LISTINGS AND APPROVALS

UL Listed: S2766
CSFM: 7165-0559:0500
FDNY COA# 6249
FM Approved
Seismic: (CA) VMA-45894-05C

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Country of origin: U.S.A.

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SK-PHOTO, SK-PHOTO-T, and SK-PHOTOR

Intelligent Photoelectric Smoke Detectors

The SK-PHOTO is a photoelectric smoke detector, the SK PHOTO-T is a photoelectric smoke detector with thermal and SK-PHOTOR is a photoelectric detector with remote test capability. These plug in smoke detectors, with integral communication, provide features that surpass conventional detectors and are for use with the Honeywell Silent Knight series fire alarm control panels (FACPs).

SK-PHOTO and SK-PHOTO-T are plug-in type smoke sensors that combine a photoelectric sensing chamber with addressable analog communications. Point ID capability allows each detector's address to be set with rotary address switches, providing exact detector locations for selective maintenance when chamber contamination reaches unacceptable levels.

SK-PHOTO and SK-PHOTO-T have a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources. In the SK-PHOTO-T, dual electronic thermistors add 135°F (57°C) thermal technology to maximize detection.

The SK-PHOTOR is a remote test capable detector for use with the DNR/DNRW duct smoke detector (not included).



SK-PHOTO (BASE INCLUDED)

COMPATIBILITY

SK-Photo, and SK-Photo-T are compatible with the following detector bases:

B210LP: 6" base (included)

B501: 2 wire base

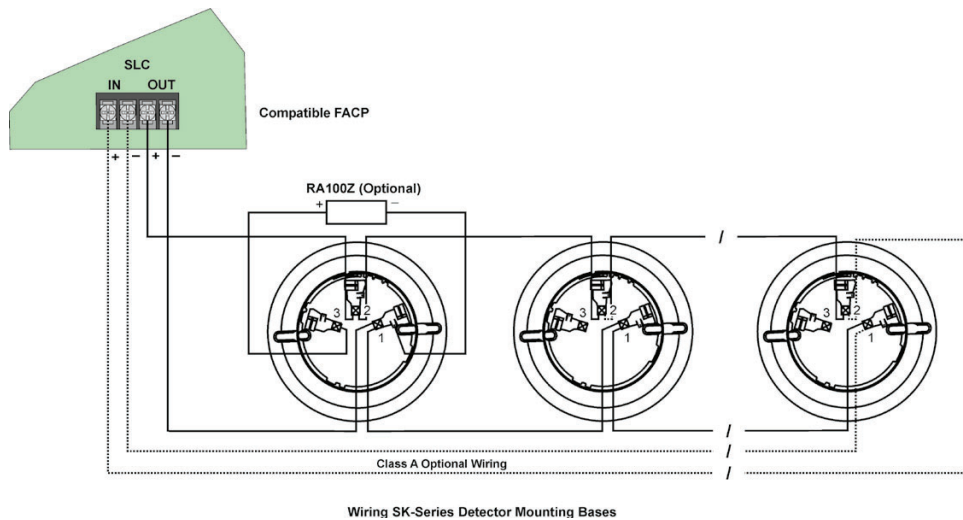
B224RB: Relay base

B224BI: Isolator base

FEATURES & BENEFITS

- | | | | | |
|---|---|--|---|---|
| <ul style="list-style-type: none">• Sleek, low-profile design• Base included• Reliable analog communications for trouble-free operation• Age resistant polymer housing• Dual electronic thermistor design on the SK-Photo-T | <ul style="list-style-type: none">• Superior EMI resistance for reliability• Simple field cleaning for code compliance• Variety of mounting options to meet any application• Dual LED indicators for 360° visibility | <ul style="list-style-type: none">• Detector transmits signal to indicate maintenance is required• Optional remote LED annunciator (System Sensor® PN RA100Z) | <ul style="list-style-type: none">• Plug-in mounting provides ease of installation• Tamper-proof feature available on mounting bases | <ul style="list-style-type: none">• Listed for use in duct applications• Rotary address switches for fast installation• UL Listed• FM Approved |
|---|---|--|---|---|

SK-PHOTO, SK-PHOTO-T and SK-PHOTOR Technical Specifications



For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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For Technical Support, call 800-446-6444.

PHYSICAL

Height: 2.0" (5.0 cm)

Diameter: 4.1" (10.4 cm) installed in B501 base

ELECTRICAL

Operating Voltage: 15–32VDC

Standby Current: 300 μ A @ 24VDC Maximum

Alarm Current: 6.5mA @ 24VDC max (with LED on)

ENVIRONMENTAL

Operating Temperature

SK-Photo: 32° – 120°F (0°C – 49°C)

SK-Photo-T: 32° – 100°F (0°C – 38°C)

Humidity: 10% – 93% non-condensing

OTHER RATINGS

SK-Photo-T Thermal: Fixed temperature set point 135°F (57°C)

Velocity: 0 – 4000 fpm (0 – 20 m/sec)

INSTALLATION

The SK-PHOTO and SK-PHOTO-T plug into a compatible Silent Knight series detector bases. The SK-PHOTOR is a remote test capable detector head included within the DNR (W) duct smoke detector.

ORDERING INFORMATION

SK-PHOTO: Photoelectric smoke detector

SK-PHOTO-T: Photoelectric smoke detector with thermal (135°F fixed temperture)

SK-PHOTOR: Photoelectric detector with remote test capability

ACCESSORIES

RA100Z: Remote LED annunciator

XR2B: Detector removal tool. A removal and replacement tool for SK series plug-in detectors. Includes the T55-127-000

M02-04-01: Detector test magnet.

M02-09-00: Test magnet with telescoping handle

XP-4: Extension Pole for XR2B. Extends from 5 – 15 ft.

T55-127-000: Detector Removal Head

BCK-200B: Black Detector Kit. For SK series detectors

COMPATIBILITY

The SK-PHOTO, SK-PHOTO-T and SK-PHOTOR are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency mass notification system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency mass notification system.

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

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SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR

Addressable Thermal Heat and Rate-Of Rise Detectors

The SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR are plug in thermal detectors, with integral communication, that provide features that surpass conventional detectors. These thermal detectors are for use with the Honeywell Silent Knight series fire alarm control panels (FACPs).

SK-HEAT, SK-HEAT-HT and SK-HEAT-ROR are intelligent sensors that utilize a state-of-the art thermistor sensing circuit for fast response. Sensitivity is continuously monitored and reported to the FACP. Point ID capability allows each detector's address to be set with rotary address switches, providing exact detector locations for selective maintenance when chamber contamination reaches unacceptable levels.

SK-HEAT is a fixed temperature sensor that uses a thermistor sensing circuit to produce 135°F (57°C) fixed temperature alarm. SK-HEAT-HT is a variable high temperature detector that provides high temperature detection at 135°F - 190°F (57°C - 88°C). SK-HEAT-ROR is a rate-of-rise temperature sensor with 135°F (57°C) fixed temperature alarm.



SK-HEAT (BASE INCLUDED)

COMPATIBILITY

SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR are compatible with the following detector bases:

B210LP: 6" base (included)

B501: 2 wire base

B224RB: Relay base

B224BI: Isolator base

B200SR: Sounder base

FEATURES & BENEFITS

- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Innovative thermistor sensing circuit
- Superior EMI resistance for reliability
- Variety of mounting options to meet any application
- Dual LED indicators for 360° visibility
- Detector transmits signal to indicate maintenance is required
- Plug-in mounting provides ease of installation
- Optional remote LED annunciator (System Sensor® PN RA100Z)
- Tamper-proof feature available on mounting bases
- Rotary address switches for fast installation
- UL Listed

SK-HEAT, SK-HEAT-HT and SK-HEAT-ROR Technical Specifications

PHYSICAL

Height: 2.0" (5.0cm)

Diameter: 6.1" (155mm) installed in B201LP base

Shipping Weight: 4.8oz (137g)

ELECTRICAL

Operating Voltage: 15–32VDC Peak

Standby Current: 300 µA @ 24VDC

LED Current: 6.5mA @ 24VDC max

ENVIRONMENTAL

Operating Temperature

SK-HEAT & SK-HEAT-ROR: -4° – 100°F (-20°C – 38°C)

SK-HEAT-HT: -4° – 150°F (-20°C – 66°C)

Humidity: 10% – 93% non-condensing

THERMAL RATINGS

SK-HEAT: Fixed temperature alarm
135°F (57°C)

SK-HEAT-HT: High temperature heat sensor 135°F – 190°F (57°C – 88°C)

SK-HEAT-ROR: Rate-of-rise detection 15°F/min (8.3°C/min)

ORDERING INFORMATION

SK-HEAT: Fixed thermal detector (135°F)

SK-HEAT-ROR: Fixed rate of rise detector (135°F)

SK-HEAT-HT: Fixed high temperature thermal detector (190°F)

ACCESSORIES

RA100Z: Remote LED annunciator

RMK400: Recesses mounting kit. Provides low profile for use with B501

XR2B: Detector removal tool. A removal and replacement tool for SK series plug-in detectors. Includes the T55-127-000

M02-04-01: Detector test magnet.

M02-09-00: Test magnet with telescoping handle

XP-4: Extension Pole for XR2B. Extends from 5 – 15 ft.

T55-127-000: Detector Removal Head

BCK-200B: Black Detector Kit. For SK series detectors

COMPATIBILITY

The SK-HEAT, SK-HEAT-HT and SK-HEAT-ROR are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency voice system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency voice system

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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SK-PULL-SA / SK-PULL-DA

Intelligent Pull Stations

The SK-PULL-SA is a single action pull station requiring only one motion to activate the station. The SK-PULL-DA is a dual action pull station requiring two motions to activate the station. The SK-PULL-SA and SK-PULL-DA are for use with Honeywell Silent Knight Series fire control panel (FACP).

Extremely easy to operate, the SK-PULL-DA and SK-PULL-SA provide a fast and practical means of manually initiating a fire alarm signal. The FACP recognizes each manual pull station by its specific address saving precious seconds in determining the location of an alarm.

INSTALLATION

The SK-PULL-SA and SK-PULL-DA can be surface mounted to an SB-I/O surface back box or semi-flush mounted on a standard single-gang with a minimum depth of 2.13"(5.40 cm) or double gang or 4" (10.61 cm) square electrical box. You can also use the optional (System Sensor® PN BG-TR) trim ring if the station is being semi-flush mounted.



SK-PULL-SA



SK-PULL-DA

FEATURES & BENEFITS

- Installer can open station without causing an alarm condition
- Dual-color LED is visible through handle of station blinks green to indicate normal operation and remains steady red in an alarm condition
- Key operated test and reset lock using lock plate actuator
- Key matches compatible FACP locks
- Meets ADA requirement for 5 lbs maximum pull force to active
- Meets the Americans with Disabilities Act Accessibility Guidelines (ADAAG) controls and operating mechanisms guidelines (Section 4.1.3[13])
- Shell, door, and handle molded from durable LEXAN®
- Reliable analog communications for trouble-free operation
- Braille text on station handle
- Rotary address switches for fast installation
- Handle latches in down position and the word Activated appears, clearly indicating the station has been pulled
- UL Listed, including UL 38, Standard of Manually Actuated Signaling System
- CSFM Listed
- MEA Listed

SK-PULL-SA / SK-PULL-DA Technical Specifications

PHYSICAL

Dimensions: 5.5" H x 4" W x 1.45" D (14 x 10.2 x 3.7cm)

Housing Material: LEXAN polycarbonate resin

Bi-Colored LED:

Blinking Green: Normal

Steady Red: Alarm

Switch: Single pole, single throw (SPST) normally open (N/O) switch which closes upon activation of the pull station

ELECTRICAL

Operating Voltage: 15 – 32VDC

SLC Standby and Alarm Current: 350µA

Wire Gauge: Up to 12AWG (3.1 mm²)

ENVIRONMENTAL

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

Humidity: 10% – 93% non-condensing

ORDERING INFORMATION

SK-Pull-SA: Single Action Pull Station

SK-Pull-DA: Dual Action Pull Station

ACCESSORIES

BG-TR: Optional trim ring.

SB-I/O: Surface backbox, indoor/outdoor.

* Unless otherwise noted, specifications apply to SK-Pull-SA and SK-Pull-DA

COMPATIBILITY

The SK-PULL-SA AND SK-PULL-DA are compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency voice system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency voice system

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SK-MONITOR

Intelligent Monitor Module

The SK-MONITOR is an addressable monitor module for use with Honeywell Silent Knight Series fire alarm control panels (FACPs). The SK-MONITOR is intended for use in intelligent, two-wire systems, where individual address of each module is selected using the built-in rotary switches.

The SK-MONITOR supports Class A supervised or Class B supervised wiring to the load device. Conventional 4-wire smoke detectors can be monitored for alarm and trouble conditions.

INSTALLATION

The SK-MONITOR mounts directly into a 4" square electrical box. The box must have a minimum depth of 2-1/8". A surface mount electrical box (System Sensor® PN SMB500) is available from Silent Knight.



SK-MONITOR

FEATURES & BENEFITS

- Single contact monitor
- Support for Class A and Class B wiring
- Fully supervised
- Panel controlled status LED that flashes green in normal state and is solid red in alarm
- SEMS screws for easy wiring
- UL Listed
- Rotary address switches for fast installation

SK-MONITOR Technical Specifications

PHYSICAL

Height: 4.5"H x 4" W x 1.25"D (11.4 X 10.2 X 3cm)

Shipping Weight: 6.3 oz (196 g)

ELECTRICAL

Operating Voltage: 15 – 32VDC

Current Draw (LED on): 5.0mA max

Operating Current (LED flashing): 375µA

Standby Current: 400 µA max @ 24 VDC (one communication every 5 sec with 47K EOL); 550 µA max @ 24 VDC (one communication every 5 sec with EOL <1K)

5.5 mA (with LED latched on)

LED Current: 5.5 mA (with LED latched on)

End-of-Line Resistance: 47K Ω

Initiating Device Circuit Wiring Resistance: 1,500 Ω max

SLC Loop Resistance: 40 Ω max.

ENVIRONMENTAL

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

Humidity: 10% – 93% non-condensing

ORDERING INFORMATION

SK-MONITOR: Monitor Module

ACCESSORIES

SMB500: 4" Square surface mount electrical box

COMPATIBILITY

The SK-MONITOR is compatible with the following Honeywell Silent Knight fire alarm control panels:

6820: Addressable fire alarm control panel

6820EVS: Addressable fire alarm control panel with an emergency mass notification system.

6808: Addressable fire alarm control panel

6700: Addressable fire alarm control panel

5700: Addressable fire alarm control panel

5808: Addressable fire alarm control panel

5820XL: Addressable fire alarm control panel

5820XL-EVS: Addressable fire alarm control panel with an emergency mass notification system

For a complete listing of all compliance approvals and certifications, please visit www.silentknight.com.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

For Technical Support, call 800-446-6444.

For more information

Learn more about Honeywell Silent Knight and other products by visiting www.silentknight.com

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