



**SILENT  
KNIGHT**

by Honeywell

## Analog/Addressable Devices with SK Protocol

### Analog/Addressable Devices with SK Protocol

SK Module devices are intelligent analog/addressable devices for use with the following IntelliKnight addressable fire alarm control panels (FACPs): 5820XL, 5808, and 5700.

SK detectors, modules, and accessories communicate to the FACP over the signaling line circuit loop (SLC loop) using a two-wire connection. Shielded or twisted wire is not required. Up to 99 addressable SK detectors and 99 SK modules can communicate with the FACP on a single SLC loop. Any combination of addressable SK devices and SK modules can be used on a single SLC loop.

The assortment of SK detectors, modules, and accessories that are compatible with IntelliKnight addressable FACPs are described below. For detailed information on SK devices, see the device specification sheet.

### Detectors

#### SK-Photo

A plug-in photoelectric smoke detector. SK-Photo offers a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources. 6" base included.



**SK-Photo (base Included)**

#### SK-Photo-T

A plug-in photoelectric smoke detector with thermal. SK-Photo-T offers a unique optical sensing chamber that is engineered to sense smoke produced by a wide range of combustion sources. Dual electronic thermistors add 135°F (57°C) thermal technology to maximize detection. Base included.

#### SK-Ion

A plug-in ionization smoke detector. SK-Ion incorporates a unique single source, dual chamber design to respond quickly to a broad range of fires. 6" base included

#### SK-Heat

A fixed temperature thermal detector that uses a thermistor sensing circuit to produce 135°F (57°C) fixed thermal detection. Base included.



**SK-Heat (base included)**

#### SK-Heat-HT

A variable high temperature detector that provides high temperature detection at 135°F – 190°F (57°C – 88°C). Base included.

#### SK-Heat-ROR

A fixed temperature and rate-of-rise thermal detector that uses a thermistor sensing circuit to produce 135°F (57°C) thermal protection. Rate-of-rise detection occurs at 15°F per minute (9°C per minute). Base included.

#### SK-Beam

A beam smoke detector that is uniquely suited for protecting open areas with high ceilings where other methods of smoke detection are difficult to install and maintain.



**SK-Beam and  
SK-Beam-T**

#### SK-Beam-T

A beam smoke detector that includes an integrated sensitivity test feature. The SK-Beam-T is uniquely suited for protecting open areas with high ceilings where other methods of smoke detection are difficult to install and maintain.

#### SK-Duct

An Intelligent photoelectric air duct smoke detector used with SK-Photo (included) provides early detection of smoke in air moving through HVAC ducts. SK-Duct housing contains a vacant mount for SK-Relay (sold separately). The SK-Duct requires communication line power only.



**SK-Duct**

#### SK-Acclimate

Incorporates both thermal and photoelectric technologies that interact to maximize detection. The SK-Acclimate has an on-board microprocessor with advanced software that focuses on rejecting nuisance alarms. Using advanced software, SK-Acclimate continuously samples the air in the environment and adjusts its detection parameters and alarm threshold accordingly. In a fire, the smoke and heat sensors work together to make the quickest possible decision. The photo sensor is optimized for smoldering fires, and the heat sensors are rate-of-rise compensated to provide a faster response to flaming fires. The on-board intelligent software combines both signals to give an early alarm. Base included.

## Modules

### SK-Monitor

A monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. The SK-Monitor supports Class B supervised or Class A supervised wiring.



SK-Monitor

### SK-Minimon

A compact and light weight monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. The SK-Minimon supports Class B supervised wiring.

### SK-Monitor-2

A monitor module with two initiating circuits that acts as an interface to contact devices, such as waterflow switches and pull stations. Because the SK-Monitor-2 is capable of monitoring two separate Class B circuits, it is ideal for waterflow tamper switch and flow switch monitoring.

### SK-Mon-10

A 10 point monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. Conventional 4-wire smoke detectors can be monitored for alarm and trouble conditions. The SK-Monitor-10 supports ten Class B or five Class A supervised contact inputs.

### SK-Relay

A relay module that allows an FACP to switch discrete contacts by code command. The relay contains two isolated sets of Form C contacts, which operate as a DPDT switch.

### SK-Relay-6

A relay module that has six Form C relays. The SK-Relay-6 allows an FACP to switch discrete contacts by code command and can be used by virtually any normally open or normally closed application.

### SK-Control

A notification module that lets you add notification circuits wherever they are needed on an FACP SLC loop. The SK-Control provides supervised monitoring of wiring to load devices such as bells, horns, and strobes. The SK-Control supports Class B and Class A wiring.

### SK-Control-6

A notification module that has six integrated modules for maximum flexibility, allowing you to add notification circuits wherever they are needed on an FACP SLC loop. The SK-Control-6 provides supervised monitoring of wiring to load devices that require an external power supply or amplifier to operate, such as bells, horns, and strobes. The SK-Control-6 supports Class B and Class A wiring and has a short circuit protection monitor for each module to protect external power supplies against short circuit conditions on the NAC.



SK-Control-6

### SK-Zone

A two-wire interface module that allows an FACP to interface with and monitor two-wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices. The SK-Zone supports Style B and Style D wiring.

### SK-Zone-6

A two-wire interface module that has six integrated modules and allows an FACP to interface with and monitor two-wire conventional smoke detectors. This means you can retrofit an existing building and use existing conventional devices. The SK-Zone-6 supports Class B and Class A wiring.

### SK-Iso

A line isolator module that acts as an automatic switch that opens when the line voltage on the SLC loop drops below four volts. Isolator modules are spaced between groups of sensors or modules in a loop to protect the rest of the loop. If a short occurs between any two isolators, then both isolators immediately switch to an open circuit state and isolate the devices between them.



SK-Iso

## Accessories

### SK-Pull-SA/SK-Pull-DA

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.

### B501 / B210LP

The B501 is a 4" mounting base. B210LP is a 6" mounting base. Both have built-in remote annunciator connections.

### B200SR

The B200SR is designed for new and existing dwelling unit applications. It offers maximum flexibility in installation, configuration, and operation to meet or exceed UL 268 and UL 464 requirements. The B200SR is fully compatible with existing B501BH-Series sounder base installations.



B200SR Sounder Base

### B224RB

A 6" mounting base with a built-in Form C relay contact. Lets you control a wide variety of normally open and normally closed applications. The B224RB supports Class B and Class A wiring.

### B224BI

A 6" mounting base with a built-in isolator for SK-series detectors. The B224BI prevents an entire communication loop from being disabled when a short circuit occurs by isolating any part of a loop that has a short from the rest of the loop. Restores the entire loop when the cause of the short circuit is corrected. Supports Class B and Class A wiring.



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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 more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610. Phone: (800) 328-0103, Fax: (203) 484-7118. [www.silentknight.com](http://www.silentknight.com)

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