



Hochiki® SD Devices

SD devices are intelligent addressable devices for use with the following Honeywell Silent Knight addressable fire alarm control panels (FACPs): 6820, 6820EVS, 6808, 6700, 5820XL, 5820XL-EVS, 5808 and 5700. SD 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. Any combination of addressable SD devices and SD modules can be used on a single SLC loop.

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

DETECTORS

SD505-PHOTO: A photoelectric smoke detector. SD505-PHOTO has an LED light source and silicon photo diode receiving element. The SD505-PHOTO offers a low profile installation and uses the model SD505-6AB base, compatible with other detectors in the series, allowing for complete application and placement flexibility.

SD505-HEAT: A fixed temperature heat detector. It provides accurate temperature measurement data to the fire alarm control panel. This heat detector is particularly suited to environments where smoke detectors cannot be used because of the presence of steam or cooking fumes, such as in a kitchen.

SD505-DUCT: A addressable duct smoke detector that detects smoke and products of combustion present in air moving through an HVAC duct. This duct detector is housed in a heavy duty metal housing with a preinstalled photoelectric smoke detector. SD505-DUCT has an air velocity rating from 300 feet per minute to 4,000 feet per minute Order SD505-T2, SD505-T5 or SD505-T10 air sampling tubes separately.

SD505-DUCTR: A duct smoke detector that detects smoke and products of combustion present in air moving through an HVAC duct. The SD505-DUCTR provides a fully programmable Form C contact. This duct detector is housed in a heavy duty metal housing with a preinstalled photoelectric smoke detector and relay module. When smoke is detected in a duct, the detector communicates the condition to the FACP. The built-in relay module then turns off fans, blowers, and other devices. SD505-DUCTR has an air velocity rating from 300 feet per minute to 4,000 feet per minute.



MODULES

SD500-AIM: A dry contact input module that acts as an interface to contact devices, such as waterflow switches and pull stations. The SD500-AIM supports Class B supervised wiring. This module monitors for alarm contact closures and open circuit wiring fault conditions. Mounts in a 4" square box.



SD500-MIM: A compact and light weight monitor module that acts as an interface to contact devices, such as waterflow switches and pull stations. The SD500-MIM supports Class B supervised wiring. This module mounts in a single gang box.

SD500-ARM: A relay module that provides one relay with two Form C contacts rated at 2.0A @ 30 VDC or 0.6A @ 120 VAC. The SD500-ARM can control a wide variety of normally open or normally closed applications, including elevator recall, door closing, fan operation, and auxiliary notification.



SD500-ANM: A notification module that lets you add notification circuits wherever they are needed on an FACP SLC loop. The SD500-ANM provides supervised monitoring of wiring to load devices such as bells, horns, and strobes. You can supply power to this module near the signaling appliance to reduce wire gauge requirements or supply power from a main power supply and control it separately by the individual notification modules. The SD500-ANM supports Class B and Class A wiring and all 16 notification patterns available on the FACP.

SD Devices

SD500-SDM: A two-wire interface module that allows an FACP to interface with and monitor two-wire conventional devices. This means you can retrofit an existing building and use existing conventional devices, including two-wire smoke detectors and devices with dry contacts, such as pull stations and heat detectors. The SD500-SDM transmits the status condition (normal, open, or alarm) of one full zone of two-wire devices to the FACP. The SD500-SDM supports Class B and Class A wiring

SD500-LIM: A line isolator module that isolates a short circuit wiring fault on an SLC loop. When a short occurs on the SLC loop, it is detected as a trouble but all of the SLC devices protected by a SD500-LIM will continue to operate



SD500-LED: An LED driver module that connects to the SLC loop and is capable of driving 80 LEDs. Honeywell Silent Knight FACP's support up to 40 SD500-LEDs per SLC loop.

ACCESSORIES

SD500-PS/SD500-PSDA: The SD500-PS is a single action pull station requiring only one motion to activate the station. The SD500-PSDA is a dual action pull station requiring two motions to activate the station. Both pull stations feature a rugged metal construction and mount in a single gang box.



SD505-DTS-2: A remote test switch for use with the SD505-DUCTR that provides remote key operated test function and annunciation of detector alarm.

For more information

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

Honeywell Silent Knight

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SD505-6SB: A 6" mounting base adds an audible output function to SD505-PHOTO and SD505-HEAT. The SD505-6SB can be used as a single station, multi-station, or as a system sounder.

SD505-6RB: A 6" mounting base with one Form C relay contact. The SD505-6RB lets you control a wide variety of normally open and normally closed applications, including elevator recall, door closing, fan operation, and auxiliary notification. Because this relay is addressable, the relay device can be located at any point on the SLC loop.

SD505-6IB: A 6" mounting base with a built-in isolator for SD505-PHOTO and SD505-HEAT detectors.

When the SD505-6IB is connected to the SLC loop, a short, open, or ground fault occurring on the SLC loop is detected as a trouble but all SLC devices continue to operate. SD505-6IB fits under SD505-6AB detector base (included).



SD505-6AB: A 6" mounting base is for use with SD505-PHOTO and SD505-HEAT.

SD505-4AB: A 4" mounting base is for use with SD505-PHOTO and SD505-HEAT.

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.