



# SD500-SDM

## Two-Wire Smoke Module

The SD500-SDM allows you to assign an address to a loop of conventional detection devices. These devices can be dry contacts such as pull stations and heat detectors, or 2-wire smoke detectors. This means you can retrofit an existing building and utilize existing conventional devices.

The SD500-SDM uses a 24VDC auxiliary power input to power the conventional loop, and is connected to the SLC loop via two wires. The conventional loop can be configured as Class A or Class B giving you the flexibility to handle any job.

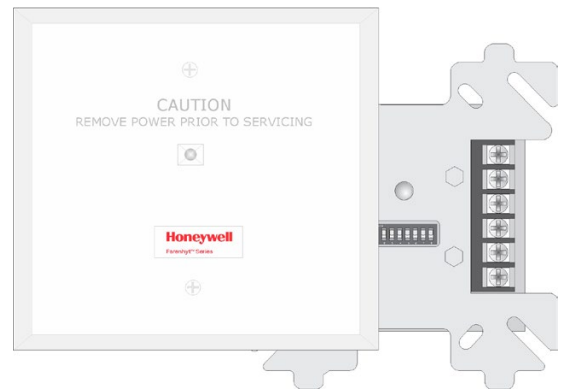
### COMPATIBILITY

The SD500-SDM is compatible with the following Honeywell Silent Knight FACPs:

- 6820: Addressable fire alarm control panel with up to 1,110 addressable points
- 6820EVS: Addressable fire alarm control panel with an emergency mass notification system, up to 1,110 addressable points
- 6808: Addressable fire alarm control panel with up to 198 addressable points
- 6700: Addressable fire alarm control panel with up to 100 addressable points
- 5820XL: Addressable fire alarm control panel
- 5820XL-EVS: Addressable fire alarm control panel with an emergency communication systems
- 5808: Addressable fire alarm control panel
- 5700: Addressable fire alarm control panel

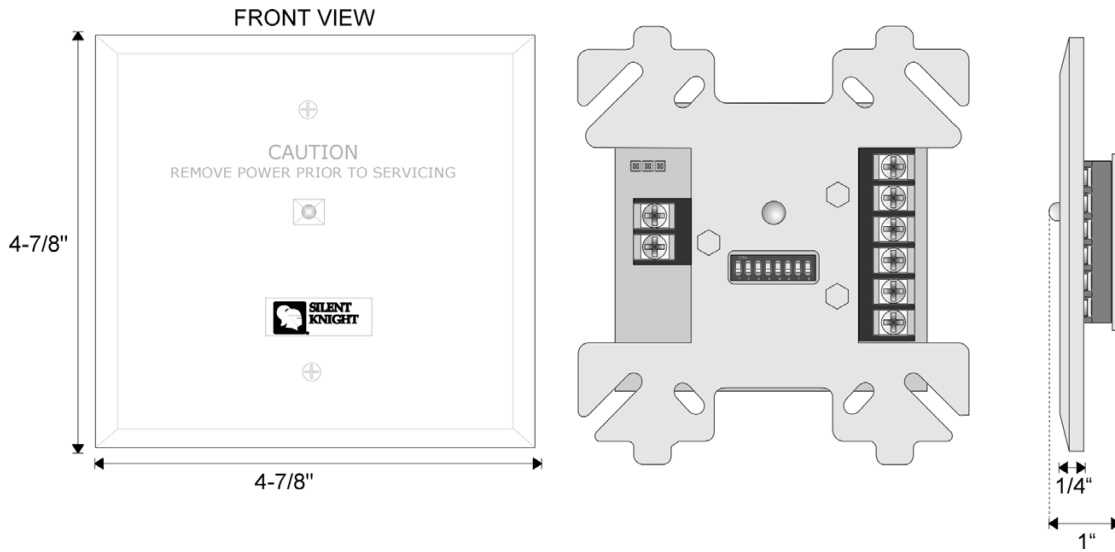
## FEATURES & BENEFITS

- Converts a conventional two-wire loop to an SLC loop
- Fully supervised
- Compatible with Class B and Class A loops
- Listed for use with all major two-wire detectors
- UL Listed



**SD500-SDM**

# SD500-SDM Technical Specifications



**DIMENSIONS FOR SD500-SDM**

For a complete listing of all compliance approvals and certifications, please visit [www.silentknight.com](http://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.

## PHYSICAL

**Dimensions:** 4 7/8"W x 4 7/8"H x 7/8"D (12.38 x 12.38 x 2.22cm)

## ENVIRONMENTAL

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

**Humidity:** 0 to 93% relative humidity (non condensing)

## ELECTRICAL

**Operating Voltage:** SLC 32VDC; Aux Power 24VDC

**Aux Power Current:** Standby 20mA; Alarm 106mA

**SLC Current:** Standby/Alarm .55mA

**Max. SLC Loop Resistance:** 50Ω

**Max. 2-Wire Conventional Smoke Loop Resistance:** 50Ω max

## ORDERING INFORMATION

**SD500-SDM:** Two-wire smoke module

## AGENCY LISTINGS AND APPROVALS

- UL Listed

## For more information

Learn more about Honeywell Silent Knight and other products by visiting [www.silentknight.com](http://www.silentknight.com)

## Honeywell Silent Knight

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