Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 06/19/17

SILENT KNIGHT
by Honeywell

SK-Fire-

Advanced Combination Fire and CO Detector

SK-Fire-CO offers world-class fire and carbon monoxide (CO) detection combined in a single addressable device to provide a practical and cost-effective solution for today's market.
For more information about the SK-Fire-CO, or to locate you nearest source, please call 800-328-0103.

SK-FIRE-CO

The SK-Fire-CO is a plug-in, addressable device that provides both fire and carbon monoxide (CO) detection. For fire, the detector combines four separate sensing elements in one unit (smoke, CO, light/flame, and heat) to sense multiple components of a fire. This approach enables enhanced sensitivity to real fire with heightened immunity to nuisance particulate. For CO, the detector's electrochemical sensing cell creates a separate signal for life safety CO detection.

Released through the incomplete burning of various fuels, CO is a colorless, odorless and deadly gas that is virtually impossible to detect with the human senses. Because the potential exists for dangerous levels of CO to accumulate in almost any building, legislation mandating the use of CO detection in commercial spaces continues to increase across the U.S. and Canada. The SK-Fire-CO is listed to the UL 2075 standard for system-connected life safety carbon monoxide monitoring.

The SK-Fire-CO should be used in conjunction with the B200S/B200S-LF intelligent sounder base (sold separately), which can generate either a Temp 3 pattern for fire or a Temp 4 pattern for CO alarm indication. With each sounder base learning the address of the detector connected, the FACP can then command an individual sounder, or a group of sounders, to activate. The command set from the panel can be tailored to the specific event, allowing selection of tone, and group. For more information on the B200S/B200S-LF refer to Data Sheet P/N 351565.

SK-Fire-CO can also be used with the B210LP 6" standard base, the B200SR sounder base or the B224RB relay base.

Features

- Unique ability to detect all four major elements of a fire:
  - Smoke - Carbon Monoxide (CO)
  - Light/flame - Heat
- Separate CO detection signal
- Highest nuisance alarm immunity
- Automatic drift compensation of smoke sensor and CO cell
- Uses only one address on the SLC

SK-Fire-CO installed in a B200S/B200S-LF Sounder Base (sold separately)

- RealTest® CO testing capability
- UL 268 and UL 2075 listed
- Separates audible signal for fire or CO alarm when used with the B200S/B200S-LF base
- CO cell end-of-life warning and fault

Compatibility

The SK-Fire-CO is compatible with the following IntelliKnight FACP's programmed for System Sensor protocol: (Firmware version 13.0 or higher).

- 5700
- 5808
- 5820XL
- 5820XL-EVS

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Model SK-Fire-CO

Combination Fire and CO Detector

Specifications

Physical

Diameter:	6.875” (17.46 cm) installed in a B200S base
Height:	3.46” (8.79 cm) installed in B200S base
Shipping Weight:	4.6 oz
Color:	Ivory

Operating

Temperature Range:	32° F to 100° F (0° C to 38° C)
Humidity:	15 to 90% relative humidity (non-condensing)
Air Velocity:	0 to 4,000 ft/min (0 to 20 m/sec)

Electrical

Operating Voltage:	15 to 32 VDC
Maximum Standby:	300µA at 24 VDC (no communication every 5 seconds with LED blink enabled)
Maximum Alarm Current (LED on):	7.2 mA at 24 VDC

CO Monitoring UL Standard Reference - Alarm Thresholds are as follows:

Parts Per Million	Detector Response Time
70 ± 5 ppm	60-240 min.
150 ± 5 ppm	10-50 min.
400 ± 10 ppm	4-15 min.

Note: Per UL Standard 2075, the SK-Fire-CO has been tested to the sensitivity limits defined in UL Standard 2034.

Ordering Information

SK-Fire-CO	Combination Fire and CO Detector (base not included)

Optional Accessories

B200S	Intelligent sounder base
B200S-LF	Low Frequency Intelligent sounder base
B210LP	6” mounting base
B200SR	Sounder base
B224RB	Relay base
M02-04-01	Detector test magnet
M02-09-01	Telescoping test magnet

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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. For Technical Support, Please call 800-446-6444. **www.silentknight.com**