



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

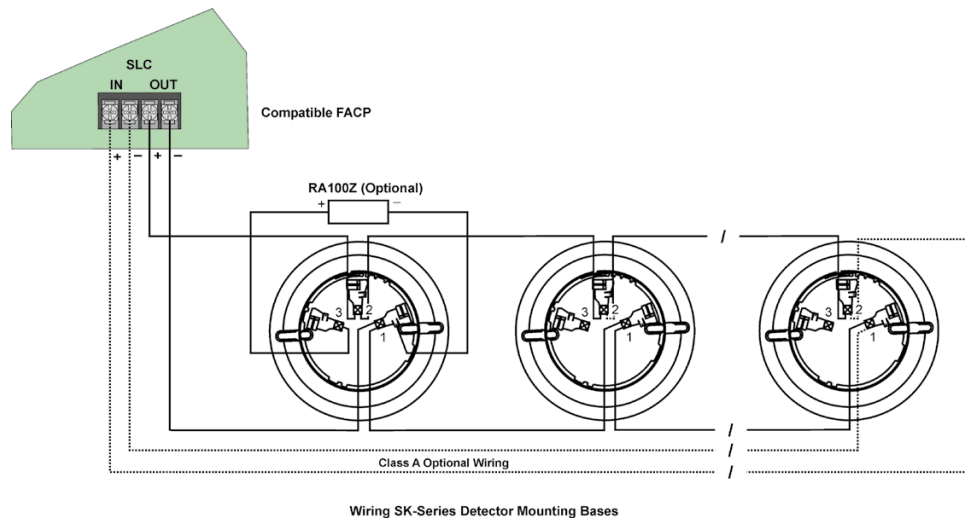
B224RB: Relay base

B224BI: Isolator base

FEATURES & BENEFITS

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



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 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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