

# Honeywell



## SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR

### Addressable Thermal Heat and Rate-Of Rise Detectors

The SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR are plug in thermal detectors, with integral communication, that provide features that surpass conventional detectors. These thermal detectors are for use with the Honeywell Silent Knight series fire alarm control panels (FACPs).

SK-HEAT, SK-HEAT-HT and SK-HEAT-ROR are intelligent sensors that utilize a state-of-the art thermistor sensing circuit for fast response. Sensitivity is continuously monitored and reported to the FACP. 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-HEAT is a fixed temperature sensor that uses a thermistor sensing circuit to produce 135°F (57°C) fixed temperature alarm. SK-HEAT-HT is a variable high temperature detector that provides high temperature detection at 135°F - 190°F (57°C - 88°C). SK-HEAT-ROR is a rate-of-rise temperature sensor with 135°F (57°C) fixed temperature alarm.



**SK-HEAT (BASE INCLUDED)**

#### COMPATIBILITY

SK-HEAT, SK-HEAT-HT, and SK-HEAT-ROR are compatible with the following detector bases:

**B210LP:** 6" base (included)

**B501:** 2 wire base

**B224RB:** Relay base

**B224BI:** Isolator base

**B200SR:** Sounder base

## FEATURES & BENEFITS

- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Innovative thermistor sensing circuit
- Superior EMI resistance for reliability
- Variety of mounting options to meet any application
- Dual LED indicators for 360° visibility
- Detector transmits signal to indicate maintenance is required
- Plug-in mounting provides ease of installation
- Optional remote LED annunciator (System Sensor® PN RA100Z)
- Tamper-proof feature available on mounting bases
- Rotary address switches for fast installation
- UL Listed

# SK-HEAT, SK-HEAT-HT and SK-HEAT-ROR Technical Specifications

## PHYSICAL

**Height:** 2.0" (5.0cm)  
**Diameter:** 6.1" (155mm) installed in B201LP base  
**Shipping Weight:** 4.8oz (137g)

## ELECTRICAL

**Operating Voltage:** 15–32VDC Peak  
**Standby Current:** 300  $\mu$ A @ 24VDC  
**LED Current:** 6.5mA @ 24VDC max

## ENVIRONMENTAL

**Operating Temperature**  
**SK-HEAT & SK-HEAT-ROR:** -4° – 100°F (-20°C – 38°C)  
**SK-HEAT-HT:** -4° – 150°F (-20°C – 66°C)  
**Humidity:** 10% – 93% non-condensing

## THERMAL RATINGS

**SK-HEAT:** Fixed temperature alarm  
**135°F (57°C)**  
**SK-HEAT-HT:** High temperature heat sensor 135°F  
- 190°F (57°C - 88°C)  
**SK-HEAT-ROR:** Rate-of-rise detection 15°F/min  
(8.3°C/min)

## ORDERING INFORMATION

**SK-HEAT:** Fixed thermal detector (135°F)  
**SK-HEAT-ROR:** Fixed rate of rise detector (135°F)  
**SK-HEAT-HT:** Fixed high temperature thermal detector (190°F)

## ACCESSORIES

**RA100Z:** Remote LED annunciator  
**RMK400:** Recesses mounting kit. Provides low profile for use with B501  
**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-HEAT, SK-HEAT-HT and SK-HEAT-ROR 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 voice 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 voice system

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.

## 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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