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.

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 μA @ 24VDC
LED Current: 6.5mA @ 24VDC max

**ENVIRONMENTAL**
Operating Temperature
SK-HEAT & SK-HEAT-ROR: -4º – 100ºF (-20ºC–38ºC)
SK-HEAT-HT: -4º – 150ºF (-20ºC – 66ºC)
Humidity: 10% – 93% non-condensing

**THERMAL RATINGS**
SK-HEAT: Fixed temperature alarm
135ºF (57ºC)
SK-HEAT-HT: High temperature heat sensor 135ºF – 190ºF (57ºC – 88ºC)
SK-HEAT-ROR: Rate-of-rise detection 15ºF/min (8.3ºC/min)

**ORDERING INFORMATION**
SK-HEAT: Fixed thermal detector (135ºF)
SK-HEAT-ROR: Fixed rate of rise detector (135ºF)
SK-HEAT-HT: Fixed high temperature thermal detector (190ºF)

**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.

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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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