



SK-ACCLIMATE

Intelligent Multi-Criteria Smoke Detector

The SK-ACCLIMATE Multi criteria Photoelectric Smoke Detector incorporates both thermal and photoelectric technologies that interact to maximize detection. An on-board microprocessor with advanced software focuses on rejecting nuisance alarms. The SK-ACCLIMATE is for use with the Honeywell Silent Knight series fire alarm control panels (FACPs).

Using advanced software, SK-ACCLIMATE continuously samples the air in the environment and adjusts its detection parameters and alarm threshold accordingly. And it does this automatically, without user intervention. A dual stage drift compensation feature reduces maintenance frequency. SK-ACCLIMATE offsets the effects of gradual dust build-up and will notify the control panel before its compensation level is reached, allowing time for maintenance. Once the compensation limit is reached, a second signal is sent to the control panel indicating an urgent need for maintenance.



SK-ACCLIMATE (BASE INCLUDED)

BASE COMPATIBILITY

SK-ACCLIMATE is 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

- | | | | | |
|---|---|---|---|---|
| <ul style="list-style-type: none">• Reliable analog communications for trouble-free operation• Dual electronic thermistor design• 6" mounting base included• Superior EMI resistance for reliability | <ul style="list-style-type: none">• Microprocessor-based design to provide maximum features• Simple field cleaning for code compliance• 0.025" mesh bug screen to keep unwanted insects out | <ul style="list-style-type: none">• 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• Detector sensitivity increases in hot fires | <ul style="list-style-type: none">• Transient smoke conditions are ignored• Rotary address switches for fast installations |
|---|---|---|---|---|

SK-ACCLIMATE Technical Specifications

PHYSICAL

Height: 2.0" (5.0cm)

Diameter: 6.1" (155mm) installed in B201LP base

Shipping Weight: 5.2oz (147g)

ELECTRICAL

Operating Voltage: 15–32VDC

SLC Standby and Alarm Current: 300µA @ 24VDC
(one communication every 5 sec with LED enabled)

LED Current: 6.5mA @ 24 VDC max (when on)

ENVIRONMENTAL

Operating Temperature: 32°–100°F (0°C – 38°C)

Humidity: 10% – 93% non-condensing

THERMAL RATINGS

Thermal: Fixed Temperature Set point: 135°F (57°C)

Velocity: 0 – 4000 fpm (0 – 6.1 m/sec)

Insect Screen Hole Size: 0.025" (0.64 mm) nominal

ORDERING INFORMATION

SK-ACCLIMATE: Multi-criteria photoelectric smoke detector

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

COMPATIBILITY

The SK-ACCLIMATE is 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.

Microsoft, Windows, and the Windows Logo are registered trademarks or trademarks of Microsoft Corporation.

Silent Knight®, System Sensor® and Honeywell® are registered trademarks of Honeywell International, Inc.

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

Honeywell Silent Knight

12 Clintonville Road
Northford, CT 06472
800-328-0103

Doc 350121 | Rev E | 11/17
© 2017 Honeywell International Inc.

