

DATE 05/10/2005

Columbia County Building Permit

PERMIT

This Permit Expires One Year From the Date of Issue

000023123

APPLICANT MELANIE RODER PHONE 752.2281  
ADDRESS 387 SW KEMP CT LAKE CITY FL 32024  
OWNER MERCANTILE BANK PHONE 904.646.5555  
ADDRESS 7075 SW HWY 27 FT. WHITE FL 32038  
CONTRACTOR LEWIS G. BLINN PHONE 904.646.3000  
LOCATION OF PROPERTY 47-S TO TO US 27, TL 6/10 OF A MILE ON L IS BANK.

TYPE DEVELOPMENT MODULAR & UTILITTY ESTIMATED COST OF CONSTRUCTION .00  
HEATED FLOOR AREA TOTAL AREA HEIGHT .00 STORIES  
FOUNDATION WALLS ROOF PITCH FLOOR  
LAND USE & ZONING FORT WHITE MAX. HEIGHT  
Minimum Set Back Requirments: STREET-FRONT REAR SIDE  
NO. EX.D.U. FLOOD ZONE FW DEVELOPMENT PERMIT NO.

PARCEL ID 34-6S-16-04059-204 SUBDIVISION HOLLINGSWORTH ESTATES  
LOT 3/4 BLOCK A PHASE UNIT TOTAL ACRES 1.79

Culvert Permit No. Culvert Waiver Contractor's License Number Applicant/Owner/Contractor  
EXISTING 05-0421MD BLK N  
Driveway Connection Septic Tank Number LU & Zoning checked by Approved for Issuance New Resident

COMMENTS: TOWN OF FT. WHITE COMPLIANCE LETTER, REPLACEMENT OF OLD UNIT.

Check # or Cash 1293

FOR BUILDING & ZONING DEPARTMENT ONLY

(footer/Slab)

Temporary Power date/app. by Foundation date/app. by Monolithic date/app. by  
Under slab rough-in plumbing date/app. by Slab date/app. by Sheathing/Nailing date/app. by  
Framing date/app. by Rough-in plumbing above slab and below wood floor date/app. by  
Electrical rough-in date/app. by Heat & Air Duct date/app. by Peri. beam (Lintel) date/app. by  
Permanent power date/app. by C.O. Final date/app. by Culvert date/app. by  
M/H tie downs, blocking, electricity and plumbing date/app. by Pool date/app. by  
Reconnection date/app. by Pump pole date/app. by Utility Pole date/app. by  
M/H Pole date/app. by Travel Trailer date/app. by Re-roof date/app. by

BUILDING PERMIT FEE \$ .00 CERTIFICATION FEE \$ .00 SURCHARGE FEE \$ .00  
MISC. FEES \$ 200.00 ZONING CERT. FEE \$ FIRE FEE \$ 22.68 WASTE FEE \$  
FLOOD ZONE DEVELOPMENT FEE \$ CULVERT FEE \$ TOTAL FEE 222.68  
INSPECTORS OFFICE CLERKS OFFICE

NOTICE: IN ADDITION TO THE REQUIREMENTS OF THIS PERMIT, THERE MAY BE ADDITIONAL RESTRICTIONS APPLICABLE TO THIS PROPERTY THAT MAY BE FOUND IN THE PUBLIC RECORDS OF THIS COUNTY. AND THERE MAY BE ADDITIONAL PERMITS REQUIRED FROM OTHER GOVERNMENTAL ENTITIES SUCH AS WATER MANAGEMENT DISTRICTS, STATE AGENCIES, OR FEDERAL AGENCIES.

"WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOUR PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR AN ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT."

This Permit Must Be Prominently Posted on Premises During Construction

PLEASE NOTIFY THE COLUMBIA COUNTY BUILDING DEPARTMENT AT LEAST 24 HOURS IN ADVANCE OF EACH INSPECTION, IN ORDER THAT IT MAY BE MADE WITHOUT DELAY OR INCONVIENCE, PHONE 758-1008. THIS PERMIT IS NOT VALID UNLESS THE WORK AUTHORIZED BY IT IS COMMENCED WITHIN 6 MONTHS AFTER ISSUANCE.

The Issuance of this Permit Does Not Waive Compliance by Permittee with Deed Restrictions.



mobile home permit  
Columbia County Building Permit Application

Revised 8-23-04

For Office Use Only Application # 0505-40 Date Received 5/10/05 By JW/4 Permit # 23123  
 Application Approved by - Zoning Official \_\_\_\_\_ Date \_\_\_\_\_ Plans Examiner OK JTH Date 5-9-05  
 Flood Zone FW Development Permit N/A Zoning FW Land Use Plan Map Category FW  
 Comments \_\_\_\_\_

Applicants Name Linda Röder Phone 752-2281  
MERCANTILE BANK Phone 904-646-5555  
 Address 720 ST. JOHNS BLUFF RD 387 S.W. KEMP CT.  
 Owners Name MERCANTILE BANK Phone 904-646-5555  
 911 Address 7075 SW HIGHWAY 27, FORT. WHITE, FLORIDA 32038  
 Contractors Name LEWIS G. BLINN Phone 904-646-3000  
 Address 720-3 ST. JOHNS BLUFF ROAD N, JACKSONVILLE, FLORIDA 32225  
 Fee Simple Owner Name & Address \_\_\_\_\_  
 Bonding Co. Name & Address N/A  
 Architect/Engineer Name & Address \_\_\_\_\_  
 Mortgage Lenders Name & Address NA

Circle the correct power company: ☒ FL Power & Light ☐ Clay Elec. ☐ Suwannee Valley Elec. ☐ Progressive Energy

Property ID Number 000094200004059-204 Estimated Cost of Construction \_\_\_\_\_

Subdivision Name HOLLINGSWORTH ESTATES Lot 344 Block A Unit \_\_\_\_\_ Phase \_\_\_\_\_

Driving Directions 475. to Ft. white, go E at 1st Light onto U.S.  
27.6 mile, Mercantile bank on left.

Type of Construction Modular Home Number of Existing Dwellings on Property 01  
 Total Acreage 1.79 Lot Size \_\_\_\_\_ Do you need a - Culvert Permit or Culvert Waiver or Have an Existing One  
 Actual Distance of Structure from Property Lines - Front \_\_\_\_\_ Side \_\_\_\_\_ Side \_\_\_\_\_ Rear \_\_\_\_\_  
 Total Building Height \_\_\_\_\_ Number of Stories 1 Heated Floor Area 1640 Roof Pitch \_\_\_\_\_

Application is hereby made to obtain a permit to do work and installations as indicated. I certify that no work or installation has commenced prior to the issuance of a permit and that all work be performed to meet the standards of all laws regulating construction in this jurisdiction.

OWNERS AFFIDAVIT: I hereby certify that all the foregoing information is accurate and all work will be done in compliance with all applicable laws and regulating construction and zoning.

WARNING TO OWNER: YOUR FAILURE TO RECORD A NOTICE OF COMMENCEMENT MAY RESULT IN YOU PAYING TWICE FOR IMPROVEMENTS TO YOUR PROPERTY. IF YOU INTEND TO OBTAIN FINANCING, CONSULT WITH YOUR LENDER OR ATTORNEY BEFORE RECORDING YOUR NOTICE OF COMMENCEMENT.

Owner Builder or Agent (including Contractor) \_\_\_\_\_

STATE OF FLORIDA  
COUNTY OF COLUMBIA

Sworn to (or affirmed) and subscribed before me

this 11TH day of APRIL 2005.

Personally known ☒ or Produced Identification \_\_\_\_\_

Contractor Signature \_\_\_\_\_

Contractors License Number BC14915

Competency Card Number DS60

NOTARY STAMP/SEAL

Notary Signature \_\_\_\_\_

ORIGINAL

existing building will be moved - replaced by 1st floor + 1st floor

196  
CR C 015





## SITE NAVIGATION



Home



Building Code



Florida Building Code



Manufactured Buildings



Prototype Building



Purchasing



Training



Product Approval



License Search



Mailing List



Florida Building Commission

## MANUFACTURED BLDGS

Insignia Search

Overview

Plans

Insignias

Organization Search

Building Type:

(ALL)

Insignia Status:

(ALL)

Manufacturer:

(ALL)

Agency:

(ALL)

Insignia Tracking #: 15810

Florida Insignia #:

Serial #:

Clear

Search

## Results List for Insignias

Insignia Tracking #	Plan Tracking #	Agency Plan #	Building Type	Status	Manufacturer	Agency
158101	16944	2213-0002FR	Manufactured Buildings	Submitted	SAUER & LUCK CONSTRUCTION, INC.	Hilborn Werner Carter And Assoc., Inc.



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## SITE NAVIGATION



Home



Course Accreditation



Florida Building Code



Manufactured Buildings



Prototype Building



Standards



Training



Product Approval



License Search



Mailing List



Florida Building Commission

## MANUFACTURED BLDGS

Plan's Detail

Overview Plans Insignias Organization Search

Plan Tracking #: 16944  
Agency Plan #: 2213-0002FR  
Status: **Accepted**  
Manufacturer: SAUER & LUCK CONSTRUCTION, INC.  
Building Type: Manufactured Buildings  
Construction Type: VI  
Occupancy: Business  
Allowable # of Floors: 1  
Wind Velocity: 120 mph  
Fire Rating of Exterior Walls: 0 hrs  
Maximum Floor Load: Live: 50 psf Dead: 10 psf  
Roof Load: Live: 20 psf Dead: 10 psf  
"U" Rating of Floor, Wall, and Roof: .091, .091, .05  
Modules per Building: 2  
Square Footage: 1460 sq. ft.  
Approved for Hurricane Protection Usage: No  
Designed for use as a Hurricane Public Shelter: No  
Plan Comments: Plans approved by HWC Engineering on 4-29-05.  
Agency To Review: Hilborn Werner Carter And Assoc., Inc.  
Date Entered: 05/05/2005  
Original Plan Tracking #: 0  
Attached Files

Date	File
05/05/2005	<a href="#">plan_16944_2213-0002FR.pdf</a>

[Review results](#)[Back](#)

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# Town of Fort White

Post Office Box 129 ♦ Fort White, Florida 32038-0129 ♦ 386-497-2321 ♦ FAX 386-497-4746

## CERTIFICATE OF COMPLIANCE & REQUEST FOR ISSUANCE OF BUILDING PERMIT

The undersigned hereby certify the following property is in compliance with the Town of Fort  
White's Comprehensive Plan and Land Development Regulations for the stated development purposes:

OWNER'S NAME: Mercantile Bank

ADDRESS: 7075 SW Hwy 27, Fort White, FL 32038


PROPERTY DESCRIPTION: 04059-203 and 04059-204  
(parcel number if possible)  
LOTS 3 & 4 Hollingsworth Estates

DEVELOPMENT: Hollingsworth Estates

You are hereby authorized to issue the appropriate building permits.

April 29, 2005

DATE

  
LAND DEVELOPMENT REGULATION  
ADMINISTRATOR  
TOWN OF FORT WHITE

Equal Opportunity Employer



2015 First Street  
P.O. box 1672  
Lake City, Florida 32055  
Martha J. Tedder, BY *[Signature]*

Executive line

# This Indenture

Made this 9th day of ~~OFFICIAL~~ MARCH, A.D. 1990.

Between, Cook & Sons Construction, Inc.,  
a corporation existing under the laws of the State of Florida  
having its principal place of business in the County of Columbia  
and  
State of Florida party of the first part, and

Community National Bank

of the County of Columbia and State of Florida  
part y of the second part,

Witnesseth, That the said party of the first part, for and in consideration of the sum of TEN AND NO/100'S Dollars, to it in hand paid, the receipt whereof is hereby acknowledged, has granted, bargained, sold, aliened, remised, released, conveyed and confirmed, and by these presents doth grant, bargain, sell, alien, remise, release, convey and confirm unto the said part y of the second part, and its heirs and assigns forever, all that certain parcel of land lying and being in the County of Columbia and State of Florida, more particularly described as follows:

COUNTY TAX PARCEL # R-04059-203  
R-04059-204

Lot 3 & 4, Block A of Hollingsworth Estates recorded in Plat Book 5, page 122 of the public records of Columbia County, Florida.

Subject to Deed to the State of Florida for Right-of-Way as recorded in O.R. Book 32, page 205 of the public records of Columbia County, Florida.

DOCUMENTARY STAMP 192.50  
INTANGIBLE TAX 6  
P. DWYTT GASON, CLERK OF  
COURTS, COLUMBIA COUNTY  
BY *[Signature]* cc

7763

MAR 12 4 3 27

*[Signature]*  
cc

Together with all the tenements, hereditaments and appurtenances, with every privilege, right, title, interest and estate, reversion, remainder and easement thereto belonging or in anywise appertaining:

To Have and to Hold the same to and for the use and behoof of the said part

And the said party of the first part doth covenant with the said part of the second part that it is lawfully seized of the said premises; that they are free of all incumbrances, and that it has good right and lawful authority to sell the same; and the said party of the first part does hereby fully warrant the title to said land, and will defend the same against the lawful claims of all persons whomsoever.

In Witness Whereof, the said party of the first part has caused these presents to be signed in its name by its President, and its corporate seal to be affixed, attested by its the day and year above written.

(Corporate Seal)

Attest:

COOK & SONS CONSTRUCTION, INC.

By *[Signature]*  
Donald M. Cook President

Signed, Sealed and Delivered in Our Presence

*[Signature]*  
Witness  
*[Signature]*  
Witness





# MANUFACTURER'S CERTIFICATE OF ORIGIN TO A MOBILE OFFICE

The undersigned MANUFACTURER hereby certifies that the new mobile office described below, the property of said MANUFACTURER has been transferred

this 18th day of June, 19 97

on Invoice # 7470

to BRANICK MODULAR SYSTEMS

DISTRIBUTOR DEALER ETC

Whose address is 420 Mildred Avenue

STREET, CITY AND STATE

Salisbury, NC 28144

Trade Name of Vehicle - SUNSHINE Series or Model: DW2864

Body Type - Mobile Office No. Wheels: 12

Shipping Weight: 12,800 Length: 64

Serial No. DW28643839 A/B Width: 28

Date of Manufacturer: May 1997

MONTH

YEAR

Other Data: \_\_\_\_\_

Said manufacturer hereby certifies that this written instrument constitutes the first conveyance of said vehicle after its manufacture and that the manufacturer's serial number set forth above has not been and will not be used by the manufacturer on any other vehicle manufactured by said manufacturer, and that there are no other manufacturer's certificates issued by the manufacturer for the vehicle described above.

SUNSHINE MANUFACTURED STRUCTURES, INC.

By: Dean Bodine Pres  
Dean Bodine, TITLE, President

Post-It Fax Note	7671	Date	4-15	# of pages	2
To	Nola Peterson	From	Louder	Co.	
Co./Dept.		Phone #	803-996-7406	Fax #	
Phone #					
Fax #	904-641-8013				



FOR VALUE RECEIVED, the undersigned hereby transfers this Certificate of Origin and the mobile office described therein to KEN SMITH INC.  
 Address 8661 MONROE ROAD CHARLOTTE, NC 28212  
 and certifies that the mobile office is new and had not been registered in this or any other state; he also warrants the title of said mobile office at time of delivery, subject to the liens and encumbrances, if any, as set out below:  
 Amt. of Lien Date To Whom Due Address

Dated 19 at 19  
**BRANICK MODULAR SYSTEMS, INC.** By: Benjamin R. Gregory Position Notary Public  
 Transferor (Firm Name) Sign Here  
 Dealer License (Permit) No. 27380  
 Before me personally appeared BENJAMIN R. GREGORY  
 who by me being duly sworn upon oath says that the statements set forth above are true and correct  
 Subscribed and sworn before me this 9th day of February 1998  
Rhonda Price Notary Public for Rowan County, State of N.C.  
 Notary Seal

## SECOND ASSIGNMENT

FOR VALUE RECEIVED, the undersigned hereby transfers this Certificate of Origin and the mobile office

described therein to First National South  
 Address 307 N. Main Street Marion, SC 29571  
 and certifies that the mobile office is new and had not been registered in this or any other state; he also warrants the title of said mobile office at time of delivery, subject to the liens and encumbrances, if any, as set out below:  
 Amt. of Lien Date To Whom Due Address

Dated 19 at 19  
Ken Smith Inc. By: Matthew B. Smith Position Notary Public  
 Transferor (Firm Name) Sign Here  
 Dealer License (Permit) No. 246  
 Before me personally appeared Kenneth W. Smith  
 who by me being duly sworn upon oath says that the statements set forth above are true and correct  
 Subscribed and sworn before me this 24th day of MARCH 1998  
Matthew B. Smith Notary Public for Mecklenburg County, State of North Carolina  
 Notary Seal  
My Commission Expires June 5, 1999

THIRD ASSIGNMENT  
 FOR VALUE RECEIVED, the undersigned hereby transfers this Certificate of Origin and the mobile office

described therein to \_\_\_\_\_  
 Address \_\_\_\_\_  
 and certifies that the mobile office is new and had not been registered in this or any other state; he also warrants the title of said mobile office at time of delivery, subject to the liens and encumbrances, if any, as set out below:  
 Amt. of Lien Date To Whom Due Address

Dated 19 at 19  
 Transferor (Firm Name) By: \_\_\_\_\_ Sign Here Position \_\_\_\_\_  
 Dealer License (Permit) No. \_\_\_\_\_  
 Before me personally appeared \_\_\_\_\_  
 who by me being duly sworn upon oath says that the statements set forth above are true and correct.  
 Subscribed and sworn before me this \_\_\_\_\_ day of \_\_\_\_\_ 19\_\_\_\_  
 Notary Seal Notary Public for \_\_\_\_\_ County, State of \_\_\_\_\_



## Notice of Authorization

I, LEWIS BEINN  
AGENT, do hereby authorize Linda or Melanie Roder

to be my representative and act on my behalf in all aspects of applying for a Mobile Home and Septic

permit to be located in Columbia County. The name of the home owner is Moncantile  
BANK

X [Signature]  
Owner

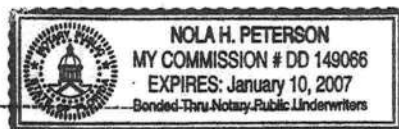
[Signature]  
Contractors Signature

4-11-05  
Date

Sworn to and subscribed before me this 11<sup>TH</sup> day of APRIL, 2005  
2004

[Signature]

Notary Public

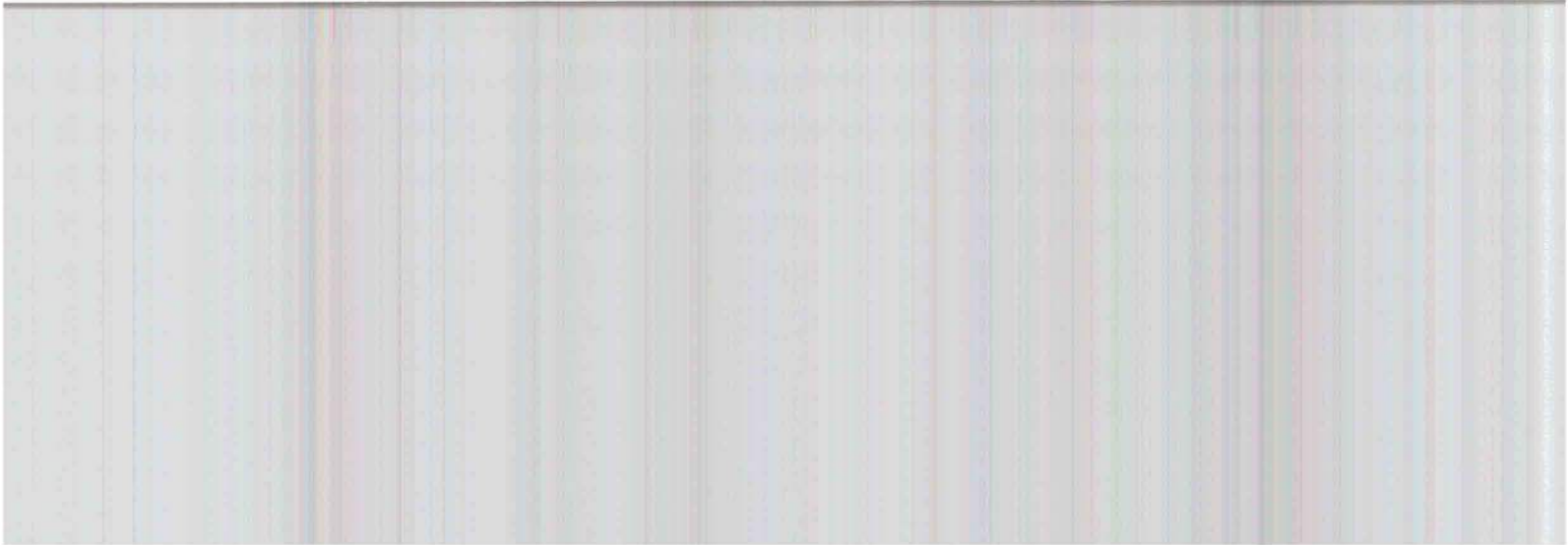


My Commission expires:

Commission No. \_\_\_\_\_

Personally Known ✓

Produced ID (Type): \_\_\_\_\_





# RDT

SECURITY SYSTEMS, INC.  
3780-9 KORI RD.  
JACKSONVILLE, FL. 32257  
904-620-0100

January 13, 2003

23123

CNB NATION BANK OPERATION BLDG.  
1 CNB PLACE  
LAKE CITY, FL. 32056

RE: FIRE ALARM SYSTEM INSTALL

THE F.A.C.P. IS LOCATED IN THE MACH RM 117. THERE WILL BE 5 PULL STATION, 14 HORN/ STROBES, 3 STROBES, 13 DUCT DETECTORS, 5 SMOKE DETECTORS, 1 REMOTE ANUNCIATOR .

HORN & STROBES WILL BE MODEL SYSTEM SENSOR P241575

DUCT DETECTORS WILL BE MODEL SILENT KNIGHT SD505-ADHR

SMOKE DETECTORS WILL BE MODEL SILENT KNIGHT SD505-APS

ZONES:	DESCRIPTION:
1	PULL SOUTH WAITING
2	PULL WEST LOAN
3	PULL NORTH HOLDING
4	PULL NORTH LOBBY
5	PULL EAST CORRIDOR
6	SMOKE PANEL
7	SMOKE JANITOR, RM 128
8	SMOKE WEST NETWORKING
9	SMOKE EAST NETWORKING
10	SMOKE IMAGING
11	SMOKE DETECTOR RTU-1
12	SMOKE DETECTOR RTU-2
13	SMOKE DETECTOR RTU-3
14	SMOKE DETECTOR RTU-4
15	SMOKE DETECTOR RTU-5
16	SMOKE DETECTOR AHU-1
17	SMOKE DETECTOR AHU-2
18	SMOKE DETECTOR AHU-3
19	SMOKE DETECTOR AHU-4
20	SMOKE DETECTOR AHU-5
21	SMOKE DETECTOR AHU-6
22	SMOKE DETECTOR AHU-7
23	SMOKE DETECTOR AHU-8

Thank you

  
Robert Trawick  
904-620-0100 ext.5





## IntelliKnight® Model 5808 Single Loop Addressable Fire Alarm Control System



**The convenience of an addressable fire alarm control panel in a cost effective easy to use package.**

IntelliKnight Model 5808 is a 127 point class leading single loop addressable fire alarm control/communicator system that provides you with the revolutionary value and performance of addressable sensing technology combined with exclusive, built-in digital communication, distributed intelligent power, easy to use interface. Powerful features such as drift compensation and maintenance alert are delivered in this powerful FACP from Silent Knight.

For more information about the IntelliKnight system, or to locate your nearest source, please call 1-800-446-6444, or in Minnesota, call 763-493-6435.

### Description

The IntelliKnight 5808 performs drift compensation and calibration checks on each of the sensors in the system. The basic IntelliKnight 5808 system can be enhanced by adding modules such as the Model 5860 Remote Annunciator, the Model 5824 Serial/Parallel Interface (for printing system reports), and an Intelligent Power Module. The Model 5808 also features a powerful built-in dual line fire communicator that allows for reporting of all system activity to a remote monitoring location.

### Features

- Up to 127 addressable points.
- Up to 125 zones and 125 output groups.
- Uses standard wire—no shielded or twisted pair required.
- Built-in digital communicator.
- Central station reporting by Point or by Zone.
- Supports Class B (Style 4) and Class A (Style 6 or 7) configuration for SLC.
- Distributed, intelligent power.
- Drift compensation.
- 13 pre-programmed output cadences, (including ANSI-3.41), and 4 programmable outputs.
- Notification circuits can be configured as 2 Class A (Style Z) or 4 Class B (Style Y), or auxiliary power for resettable, constant, or door holder power.
- Built-in annunciator with 80-character LCD display.
- RS-485 bus provides communication to system accessories.

- Up or Down load programming, event history, or detector status via remote or direct connection.
- Built-in RS-232 interface for programming via PC.
- Built-in Form C trouble relay rated at 2.5 amps at 24 VDC.
- Two built-in Form C programmable relays rated at 2.5 amps at 24 VDC.

### Approvals:

UL Listed / NFPA 72

-Central Station  
-DACT  
-Local Protective Signalling System  
-Water Deluge Releasing Service

CSFM Listed 7165-0559: 135

### Specifications

Primary AC: 120 VRMS at 50 / 60 hz, 2.75A

Total Accessory Load: 6A at 24 VDC  
6 amps at 24 VDC of power-limited notification power

Standby Current: 206 mA

Alarm Current: 356 mA

**Notification circuits:** 3 amps of power-limited power per circuit at 24 VDC.

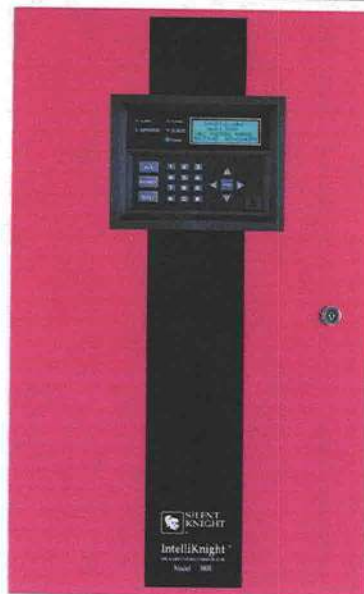
**Auxiliary power circuits:** 3 amps of power-limited power per circuit at 24 VDC.

### Mechanical Specifications:

Flush Mount

Dimensions:

14.5"W x 24.75"H x 3.5"D  
(36.8W x 62.9H x 8.73D cm)



**Model 5808**

Overall

Dimensions:

16"W x 26.4"H x 4.65"D  
(40.6 x 67 x 11.8 cm)

Weight: 28 lbs. (12.8 kg)

Color: Red

Telephone Requirements:

FCC Part 15 and Part 68 approved

Type of Jack: RJ31X (two required)



**SILENT  
KNIGHT**



## SLC Sensor Devices

### Model SD505-APS

Addressable photoelectric smoke detector.

### Model SD505-AIS

Addressable ionization smoke detector.

### Model SD505-AHS

Addressable heat sensor.

### Model SD505-6AB

Six inch base designed for use with detector head models SD505-APS, SD505-AIS and SD505-AHS.

### SD505-6IB

Short circuit isolator base for SD505-AHS, SD505-APS, and SD505-AIS detectors.

### Model SD505-ADH

Duct Housing. Detects smoke in HVAC ducts. Use with SD505-APS or SD505-AIS.

### SD505-ADHR/DTS

Addressable Duct smoke detector with built-in relay module detects products of combustion present in air moving through an HVAC system. Provides form C alarm contact. The SD505-ADHR is compatible with the SD505-DTS, which provides remote annunciation and testing capabilities for the SD505-ADHR. Use with SD505-APS or SD505-AIS.

### Model SD500-PS

Addressable Pull Station with visible LED.

## Intelligent SLC Modules

### Model SD500-AIM

Dry Contact Input Module. Designed to be used with normally open dry contacts. Mounts in a 4 inch square electrical box. It features an indicator LED to show alarm status and a coverplate.

### Model SD500-MIM

Mini Dry Contact Input Module. A miniature version of the addressable input module which is designed to be used with pull stations and other normally open dry contact inputs where a smaller size is desired.

### Model SD500-ARM

Addressable Relay Module. Features 2 Form C output relays, designed to mount on a 4 inch square electrical box. Provides indicator LED to show output status and comes with a coverplate.

### Model SD500-LED

An LED driver capable of driving 80 LEDs through the SLC loop. Up to 40 SD500-LEDs can be used per system.

### SD500-LIM

Addressable short circuit isolator module for SLC devices

## S-BUS Accessories

The following items listed are devices that connected to the IntelliKnight's RS-485 Bus

### 5860 Remote Fire Annunciator

The 5860 features the same 80 character backlit LCD display keypad and firefighter's keyswitch as the 5820. The system can be fully programmed and operated from any remote annunciator.

### 5880 LED/IO Module

Features 40 LED outputs, 8 normally open dry contact inputs and one piezo output.

### 5496 Intelligent Power Module

The Model 5496 is a 6 amp.notification power expander that provides four additional power-limited notification appliance circuit outputs.

### 5865-3 and 5865-4

### Remote LED Annunciator

Features 30 Programmable LEDs (15 red and 15 yellow) outputs and piezo sounder. The 5865-4 adds a silence and reset switch to the package.



### 5883 Relay Board

Features 10 General purpose Form C relays. Used with 5880 module.

### 5824 Serial/Parallel Gateway Module

Has one parallel and one RS-232 serial port for connecting any standard IBM-compatible printer to the IntelliKnight system. Interfaces with building control system.

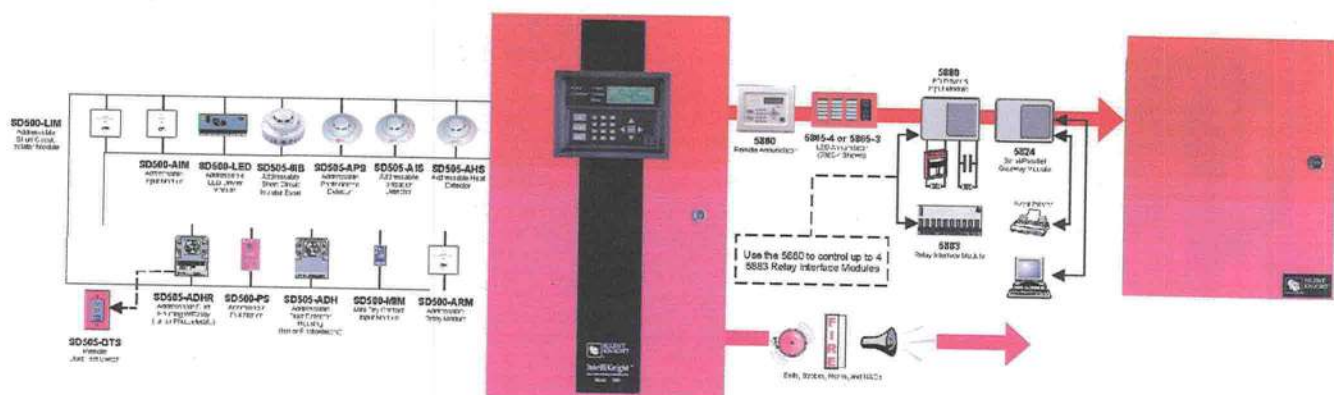
## SKSS Silent Knight Software Suite

### 5660 Up Down Load Software

User-friendly, Windows™ software for remote programming of the IntelliKnight panel using a PC.

### 5670 Facility Management Software

Powerful end-user software allows viewing of detector status and event history via modem or direct connection.



**SILENT  
KNIGHT**

7550 Meridian Circle, Maple Grove, MN 55369-4927

800-446-6444 or in Minnesota 763-493-6435

FAX: 763-493-6475

World Wide Web: <http://www.silentknight.com>

**MADE IN AMERICA**

FORM# 350386, Rev. 05/02

Copyright © 2002 Silent Knight





## Model 5860 Remote Annunciator



**Bring the power to control IntelliKnight® to every area within your facility.**

Now you can operate and program your IntelliKnight system from up to 8 locations throughout your facility. The Model 5860 Remote Annunciator provides the same advanced, easy-to-use interface found on the IntelliKnight panel's built-in annunciator. The 80-character display and ergonomically designed keypad allow for simple and error-free system operation. All operations—including reset, silence, detector status checking, fire drill, and programming—are identical.

Access to the system is through a firefighter's key or an access code. For security, a special installation code is needed for programming functions.

The 5860 connects to the IntelliKnight panel via the RS-485 system bus. Wire runs can be up to 6000 feet from the panel.

### Model 5860 Remote Annunciator

The 5860 is designed to look and operate exactly the same as the IntelliKnight built-in annunciator. Features include an 80-character backlit LCD providing easy-to-understand system messages. The annunciator is ergonomically designed with over-sized buttons for the most frequently used features, like Reset and Silence.

In addition to status messages displayed on the LCD, there are five LEDs for alarm, supervisory, trouble, silence, and AC power status.

The annunciator is available in gray to match virtually any decor and red for applications where the annunciator must stand out. The annunciator enclosure can be surface or flush mounted. A trim ring kit is available for surface mounting.

### Operation

When the system is normal and receiving AC power, the power LED is lit and all other LEDs are off. Other LEDs turn on as the conditions occur.

Users identify themselves to the control panel by entering a code on the annunciator or by turning the firefighter's key. When a user presses a button, the annunciator piezo beeps and the LCD prompts the user to enter a code or other relevant information.

Multiple users can work at different annunciators simultaneously without affecting each other.

### Features

- 80-character display
- Tactile/audible feedback
- Accepts user codes or firefighter's key
- RS-485 interface to panel
- Can be flush- or surface-mounted. Trim ring available for surface-mounting.
- Operation and appearance identical to on-board annunciator
- Supports simultaneous use by multiple users
- UL listed, complies with NFPA 72
- CSFM Approved
- MEA Listed



**5860 Remote Annunciator**

### Specifications

Operating Voltage:	24 VDC
Standby Current:	20 mA
Alarm Current:	25 mA
Max. per system:	8
Ambient Temperature:	32°F to 120°F (0°C to 49°C)
Mounting:	Surface or flush
Wiring Distance from IntelliKnight panel:	Up to 6,000 feet
Dimensions:	Height: 7-3/8" Width: 9-1/8" Depth: 1-1/2"
Colors:	Lt. gray (5860) Red (5860R)



**SILENT  
KNIGHT**



## Model 5860 Remote Annunciator



### Engineering Specifications

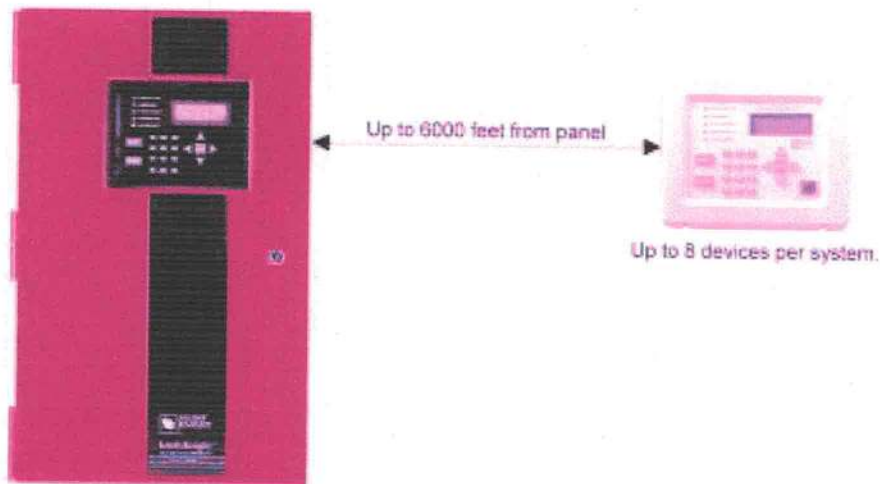
The main control must have a built-in annunciator and must support up to eight remote annunciators. Remote annunciators shall have the same control and display layout so as to match the appearance of the built-in annunciator. Remote annunciators shall be available in two colors, red or light gray.

Remote annunciators shall have identical functionality and operation as the built-in annunciator. All annunciators must have an 80-character LCD display and must feature five LEDs for: General Alarm, Supervisory, System Trouble, System Silence, and System Power.

All controls and programming keys are silicone mechanical type with tactile and audible feedback. Keys have a travel of .040 inches. No membrane style buttons will be permissible.

The annunciator must be able to silence and reset alarms through the use of a code entered on the annunciator keypad or by using a firefighter's key. The annunciator must have two levels of user codes that will limit the operating system programming to authorized individuals. The control panel must allow all annunciators to accommodate multiple user input simultaneously.

### 5860 Block Diagram



**SILENT  
KNIGHT**

7550 Meridian Circle, Maple Grove, MN 55369-4927

**800-446-6444** or in Minnesota 612-493-6435

FAX: 612-493-6475

World Wide Web: <http://www.silentknight.com>

**MADE IN AMERICA**

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5808 Calculations

Global Project Values:

Project Name: CNB OPERATIONS BLDG.

Project ID:

Prepared By: ROBERT TRAWICK

Date: 1/21/2003

Standby Hours: 24

Alarm Mins: 5

Derating Factor: 1.2

Voltage Drop Warning

Threshold % : 10

Panel ID: 5808

Location:

Model: 5808 Addressable Fire Alarm Control

Volts: 24 VDC

Max NAC Current: 3.0 Amps

Max Panel Current: 6.0 Amps

Ckt.#	Circuit Name	Qty	Current Standby	Draw Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
5808	5808 Main Control	1	0.206	0.356	N/A					
SLC-DEV	Addrsl SLC Devices	23	0.001	0.013						
5860	LCD Remote Annunc		0.000	0.000						
5824	Serial/Parallel Module		0.000	0.000						
5496	Power Expander		0.000	0.000						
5865-4	LED Annunciator (4G)		0.000	0.000						
5865-3	LED Annunciator (3G)		0.000	0.000						
5880	LED Driver Module		0.000	0.000						
	Other									
	Other									
SD-Duct	Duct Hsg w/Relay	1 3	0.455	0.975						
5883	Relay Module		0.000	0.000						
NAC #1	Notification Appl Circuit		0.000	1.258	#12 Solid	6.39		0.00	24.00	0.00%
NAC #2	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	24.00	0.00%
NAC #3	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	24.00	0.00%
NAC #4	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59		0.00	24.00	0.00%
Total Standby Current (Amps)			0.662	2.602	Total Alarm Current (Amps)					
Standby Time In Hours			24	0.083	Alarm Time In Minutes / 60 (5 Mins)					
Total Standby AH Required			15.894	0.217	Total Alarm AH Required					
Total Combined AH Required			16.11		Command Shortcuts					
Multiply By The Derating Factor			1.20							
Minimum Battery AmpHours Required			19.33							
					Configure Circuits		Print Page			

[5820XL on the Web](#)





## Circuit Configuration

### Project Information

**Project Name:** CNB OPERATIONS BLDG.

**Project ID:** 0

**Prepared By:** ROBERT TRAWICK

**Date:** 1/21/2003

Ckt. Number: NAC #1		Panel ID: 5808			
Ckt. Name: Notification Appl Circuit		I/O Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
17	System Sensor P241575 Horn/Strobe	0.000	0.074	0.000	1.258
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				<b>0.000</b>	<b>1.258</b>

Ckt. Number: NAC #2		Panel ID: 5808			
Ckt. Name: Notification Appl Circuit		I/O Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				<b>0.000</b>	<b>0.000</b>

Ckt. Number: NAC #3		Panel ID: 5808			
Ckt. Name: Notification Appl Circuit		I/O Use: Notification Appl Circuit ▼			
Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
<b>Totals</b>				<b>0.000</b>	<b>0.000</b>





## Circuit Configuration

### Project Information

**Project Name:** CNB OPERATIONS BLDG.

**Project ID:** 0

**Prepared By:** ROBERT TRAWICK

**Date:** 1/21/2003

Ckt. Number: NAC #4

Panel ID: 5808

Ckt. Name: Notification Appl Circuit

I/O Use: Notification Appl Circuit

Qty	Device	Current Draw Each		Current Draw Total	
		Standby	Alarm	Standby	Alarm
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
	Unused	0.000	0.000	0.000	0.000
				0.000	0.000
Totals				0.000	0.000



# SPECTRAlert

## Wall-Mount Horns, Strobes, and Horn/Strobes



### Models Available\*

#### Horn/Strobes

P1215	P121575
P2415	P241575
P2430	P2475
P24110	

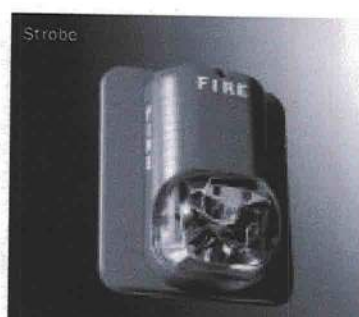
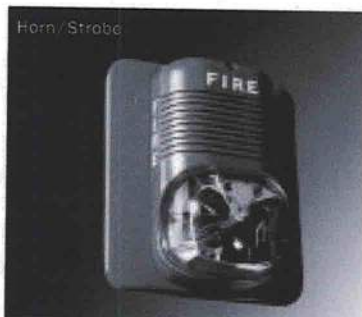
#### Strobes

S1215	S121575
S2415	S241575
S2430	S2475
S24110	

#### Horns

H12/24

\*Refer to Ordering Information for other configurations



### Product Overview

#### Meet UL and ADA signaling requirements

#### Lower current draw

- More devices per loop
- Lower installed cost

#### Universal mounting plate included

#### Accessory mounting plates available

#### Field-selectable horn tones

- Electromechanical / 3kHz
- Temporal 3 / Non-temporal 3
- High / Low dBA output

#### Available in 15, 15/75, 30, 75, and 110 candela

#### Synchronizable horns and strobes with Sync•Circuit™ module

#### Aesthetic design

System Sensor's SpectrAlert® wall-mount series includes a complete line of electronic horns, strobes, and horn/strobes. Intended for primary signaling use, SpectrAlert products meet UL1971, UL464, and Americans with Disabilities Act requirements.

**Technology.** With its extremely efficient reflector design and Xenon flash tube, SpectrAlert offers current draw reductions as high as 40% over previous generation designs. By consuming less current, the flexibility to connect more devices per loop is possible, for a lower installed cost.

**Installation.** SpectrAlert products offer installation ease which also lowers the installed cost. By taking up no room in the back box, SpectrAlert strobes and horn/strobes make wiring connections simpler and faster. Each SpectrAlert includes a universal mounting plate for 4" square and single gang back box mounting. Accessory mounting plates are also available for small footprint or surface mount applications.

**Flexibility.** SpectrAlert offers the flexibility to meet a broad range of requirements. The SpectrAlert horns and horn/strobes feature a number of field-selectable/reversible horn tones. For visible requirements, SpectrAlert strobes and horn/strobes are available in a wide variety of configurations to address non-sleeping area, sleeping area, and corridor requirements. Offerings include 24-volt models at 15, 15/75, 30, 75, and 110 candela, and 12-volt devices at 15 and 15/75 candela.

**Aesthetics.** To meet building owner aesthetic requirements, SpectrAlert incorporates a stylish, low profile design. And this aesthetic is consistent across all SpectrAlert wall-mount products.



MECA approved



General

SpectrAlert horns, strobes and horn/strobes shall be capable of mounting to a standard 4" x 4" x 1 1/2" back box or a single gang 2" x 4" x 1 7/8" back box using the universal mounting plate included with each SpectrAlert product. Also, SpectrAlert products, when used in conjunction with the accessory Sync•Circuit Module, shall be powered from a non-coded power supply and shall operate on 12 or 24 volts. 12 volt rated devices shall have an operating voltage range of 10.7–17 volts. 24-volt rated devices shall have an operating voltage range or 20–30 volts. SpectrAlert products shall have an operating temperature of 32° to 120°F and operate from a regulated DC or full wave rectified, unfiltered power supply.

Horn

Horn shall be a System Sensor SpectrAlert Model \_\_\_\_\_ capable of operating at 12 and 24 volts. Horn shall be listed to UL 464 for fire protective signaling systems. The horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. All horn models shall operate on a coded power supply.

Strobe

Strobe shall be a System Sensor SpectrAlert Model \_\_\_\_\_ listed to UL 1971 and be approved for fire protective service. The strobe shall be wired as a primary signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

Horn/Strobe Combination

Horn/Strobe shall be a System Sensor SpectrAlert Model \_\_\_\_\_ listed to UL 1971 and UL 464 and shall be approved for fire protective service. Horn/strobe shall be wired as a primary signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. Strobes shall be powered independently of the sounder with the removal of factory installed jumper wires. The horn on horn/strobe models shall operate on a coded or non-coded power supply (the strobe must be powered continuously).

Synchronization Module

Module shall be a System Sensor Sync•Circuit \_\_\_\_\_ listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1Hz and horns at temporal 3. Also, the module shall silence the horns on horn/strobe models, while operating the strobes, over a single pair of wires. The module shall be capable of mounting to a 4 11/16" x 4 11/16" x 2 1/8" back box and shall control two Style Y (class B) or one Style Z (class A) circuit. Module shall be capable of multiple zone synchronization by daisy chaining multiple modules together and re-synchronizing each other along the chain. The module shall not operate on a coded power supply.

Specifications

Walk Test SpectrAlert horn/strobe and horn only work on "walk tests" with time durations of 4 seconds or greater	Weight, horn only 7.2 oz.	Weatherproof (horn and horn/strobes) Operating Temperature 32°F to 150°F (0°C to 66°C) (outdoor strobe only) -40°F to 158°F (-40°C to 70°C) ULC Canadian Models -40°C to 66°C
Input Terminals 12 to 18 AWG	Weight, strobe and horn/strobe 8.8 oz.	
Dimensions Strobe and horn/strobe with universal plate 5" x 5 5/8" x 2 15/16"	Mounting 4" x 4" x 1 1/2" or 2" x 4" x 1 7/8" standard boxes	
Strobe and horn/strobe with small footprint plate 3 3/8" x 5 5/8" x 2 5/16"	Indoor Operating Temperature 32°F to 120°F (0°C to 49°C)	Voltages 12 or 24VDC and FWR unfiltered Operating voltage range* 12V: 10.5-17V; 24V: 20-30V Operating voltage range* (with Sync•Circuit module, MDL) 12V, 11-17V; 24V, 20-30V
Horn with universal mounting plate 5" x 5 5/8" x 1 5/16"	Maximum humidity 95% as tested per UL464	* These products should be operated within their rated voltage range; UL does, however, test functional integrity to -20% and +10% of manufacturer's stated ranges.
Horn without mounting plate 2 15/16" x 5 5/16" x 1 5/16"		U.S. Patent Numbers 5,593,569 5,914,665 6,049,446



SpectraAlert Current Draw Table

Strobe Only

	Average Current (mA)												Peak Current (mA)												In Rush Current (mA)											
	12V Models						24V Models						12V Models						24V Models						12V Models						24V Models					
	10.5V		12V		17V		20V		24V		30V		10.5V		12V		17V		20V		24V		30V		10.5V		12V		17V		20V		24V		30V	
Candela	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR
15	133	159	114	157	81	128	50	61	43	60	38	60	460	460	450	460	420	480	135	204	135	208	135	185	80	108	92	124	140	190	97	129	116	152	147	198
15/75	168	182	142	171	99	150	56	65	49	64	44	62	490	520	490	520	460	480	150	199	150	207	150	198	76	104	88	126	160	185	97	135	116	164	147	211
30	NA	NA	NA	NA	NA	NA	78	84	67	82	58	72	NA	NA	NA	NA	NA	NA	183	201	183	219	183	216	NA	NA	NA	NA	NA	NA	97	129	116	152	147	198
75	NA	NA	NA	NA	NA	NA	145	170	123	159	102	141	NA	NA	NA	NA	NA	NA	350	440	340	460	330	480	NA	NA	NA	NA	NA	NA	190	240	230	280	290	380
110	NA	NA	NA	NA	NA	NA	169	220	140	191	115	174	NA	NA	NA	NA	NA	NA	460	560	450	570	420	620	NA	NA	NA	NA	NA	NA	190	230	220	290	290	370

Horn Only

		Average Current (mA)																							
		12V Models						24V Models																	
		10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V												
Tone	High/Low Volume Temp/Non	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR												
Electro-mech.	High Temp	10 11	10 10	14 14	19 21	25 18	29 26																		
	Non	10 16	10 19	14 25	17 29	23 34	30 42																		
	Low Temp	NA NA	NA NA	NA NA	11 12	13 13	17 15																		
3000 Hz Interrupt.	High Temp	11 13	11 11	16 16	24 26	28 23	37 33																		
	Non	11 17	11 21	14 28	19 34	27 39	35 45																		
	Low Temp	NA NA	NA NA	NA NA	14 14	17 15	21 19																		
	Non	NA NA	NA NA	NA NA	13 18	16 21	22 25																		

Horn/Strobe 30 cd

Average Current (mA)								
			24V Models					
			20V		24V		30V	
Tone	High/Low Volume	Temp/ Non	DC	FWR	DC	FWR	DC	FWR
Electro- mech.	High	Temp	97	105	92	100	87	98
		Non	95	113	90	116	88	114
	Low	Temp	89	96	80	95	75	87
		Non	90	98	81	101	75	96
3000 Hz Interrupt.	High	Temp	102	108	95	105	95	105
		Non	97	116	94	121	93	117
	Low	Temp	92	96	84	97	79	91
		Non	91	100	83	103	80	97

Horn/Strobe 15 cd

		Average Current (mA)																							
		12V Models						24V Models																	
		10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V												
Tone	High/Low Volume Temp/Non	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR	DC FWR												
Electro-mech.	High Temp	143 170	124 167	95 142	69 82	68 78	67 87																		
	Non	143 170	124 167	95 142	67 90	66 94	68 103																		
	Low Temp	NA NA	NA NA	NA NA	61 73	56 73	55 76																		
3000 Hz Interrupt.	High Temp	144 172	125 168	97 144	74 87	71 83	75 94																		
	Non	144 173	125 168	95 146	69 95	70 99	73 106																		
	Low Temp	NA NA	NA NA	NA NA	64 75	60 75	59 80																		
	Non	NA NA	NA NA	NA NA	63 79	59 81	60 86																		

Horn/Strobe 75 cd

Average Current (mA)									
			24V Models						
			20V		24V		30V		
Tone	High/Low Volume	Temp/ Non	DC	FWR	DC	FWR	DC	FWR	
Electro- mech.	High	Temp	164	191	148	167	131	167	
		Non	163	188	146	169	132	169	
	Low	Temp	156	182	136	162	119	156	
		Non	157	182	137	162	119	157	
3000 Hz Interrupt.	High	Temp	169	196	151	172	139	174	
		Non	164	192	150	175	137	177	
	Low	Temp	159	184	140	164	123	160	
		Non	158	188	139	163	124	162	



**SpectrAlert Ordering Information**

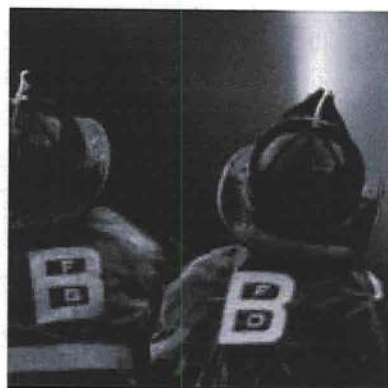
	Red	White	Voltage	Candela	Avg. mA* @Nom. VDC	Avg. mA* @Nom.FWR**
Horn/Strobes	P1215	P1215W	12	15	124	167
	P121575	P121575W	12	15/75	152	181
	P2415	P2415W	24	15	68	78
	P241575	P241575W	24	15/75	74	82
	P2430	P2430W	24	30	92	100
	P2475	P2475W	24	75	148	167
	P24110	P24110W	24	110	165	209
	P121575K (weatherproof)	—	12	15/75	124	167
	P241575K (weatherproof)	—	24	15/75	74	82
	P2475K (weatherproof)	—	24	75	148	167
	P24110K (weatherproof)	—	24	110	165	209
	P241575P (no lettering)	P241575PW	24	15/75	74	82
	P241575AG (AGENT)	—	24	15/75	74	82
	P241575EV (EVAC)	—	24	15/75	74	82
	Canada	P2415A	24	15	68	78
	P241575A	P241575WA	24	15/75	74	82
	P2475A	P2475WA	24	75	148	167
	P24110A	P24110WA	24	110	165	209
	P241575KA (weatherproof)	—	24	15/75	74	82
	P2475KA (weatherproof)	—	24	75	148	167
	P24110KA (weatherproof)	—	24	110	165	209
	Latin America	P241575F (FUEGO)	—	15/75	74	82
Strobes	S1215	S1215W	12	15	114	157
	S121575	S121575W	12	15/75	142	171
	S2415	S2415W	24	15	43	60
	S241575	S241575W	24	15/75	49	64
	S2430	S2430W	24	30	67	82
	S2475	S2475W	24	75	123	159
	S24110	S24110W	24	110	140	191
	S121575K (weatherproof)	—	12	15/75	142	171
	S241575K (weatherproof)	—	24	15/75	49	64
	S2475K (weatherproof)	—	24	75	123	159
	S24110K (weatherproof)	—	24	110	140	191
	S241575P (no lettering)	S241575PW	24	15/75	49	64
	S241575AG (AGENT)	—	24	15/75	49	64
	S241575EV (EVAC)	—	24	15/75	49	64
	Canada	S2415A	24	15	43	60
	S241575A	S241575WA	24	15/75	49	64
	S2475A	S2475WA	24	75	123	149
	S24110A	S24110WA	24	110	140	191
	S241575KA (weatherproof)	—	24	15/75	49	64
	S2475KA (weatherproof)	—	24	75	123	149
	S24110KA (weatherproof)	—	24	110	140	191
	Latin America	S241575F (FUEGO)	—	15/75	49	64
Horns	H12/24	H12/24W	12/24	NA	10/25	10/18
	H12/24K (weatherproof)	—	12/24	NA	10/25	10/18
Canada	HC12/24A	HC12/24WA	12/24	NA	10/25	10/18
	HC12/24KA	—	12/24	NA	10/25	10/18
Sync•Circuit	MDL	MDLW	12/24	NA	10/11	12/15
Module	MDLA	MDLWA	12/24	NA	10/11	12/15
Small Footprint Mounting						
Plate for Single Gang Only	S-MP	S-MPW	NA	NA	NA	NA
Surface Mount Back Box Skirt	BBS	BBSW	NA	NA	NA	NA
Universal Mounting						
Plate (replacement)	D-MP	D-MPW	NA	NA	NA	NA
Weatherproof Back Box	WBB	—	NA	NA	NA	NA

**Notes:** Agency Listings – Indoor models: UL, ULC, FM, CSFM, MEA. Weatherproof models: UL, CSFM (strobe only), MEA, ULC. All of these SpectrAlert products are designed for wall mount only. All weatherproof models must use weatherproof back box model WBB. Installation of less than 75 candela strobes may be permissible under the equivalent facilitation clause of the ADAAG (Sec. 2.2). However, it is the responsibility of the person or entity designing the fire alarm system to determine the acceptability of less than 75 candela strobes. All 15/75 candela strobes or horn/strobes are recommended for 20' x 20' rooms or less. \*Horn and horn/strobe current draws assume horn is set at temp 3, electromechanical tone and high audibility. \*\* FWR = Full Wave Rectified

**System Sensor Sales and Service**

<b>System Sensor Headquarters</b> 3825 Ohio Avenue St. Charles, IL 60174 Ph: 800/SENSOR2 Fx: 630/377-6495 Documents-on-Demand 800/736-7672 x3 www.systemsensor.com	<b>System Sensor Canada</b> Ph: 905.812.0767 Fx: 905.812.0771  <b>System Sensor Europe</b> Ph: 44.1403.276500 Fx: 44.1403.276501	<b>System Sensor In China</b> Ph: 86.29.524.6253 Fx: 86.29.524.6259  <b>System Sensor In Singapore</b> Ph: 65.6273.2230 Fx: 65.6273.2610	<b>System Sensor – Far East</b> Ph: 85.22.191.9003 Fx: 85.22.736.6580  <b>System Sensor – Australia</b> Ph: 613.54.281.142 Fx: 613.54.281.172	<b>System Sensor – India</b> Ph: 91.124.637.1770 x.2700 Fx: 91.124.637.3118
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## SD500-PS and SD500-PSDA Addressable Pull-Station



**IntelliKnight's addressable pull stations combine fast response with pin-point location ID.**

The SD500-PS and SD500-PSDA are a single action or dual action addressable manual fire alarm pull station for use with Silent Knight's IntelliKnight fire control panel. Extremely easy to operate, the SD500-PS/PSDA provides a fast and practical means of manually initiating a fire alarm signal. The IntelliKnight panel recognizes each manual pull station by its specific address saving precious seconds in determining the location of an alarm. The SD500-PS/PSDA mounts to a single gang box and features a rugged metal construction that lasts and lasts. Combine all this with the features you've come to expect from Silent Knight - easy installation and stable operation - and it adds up to a flexible solution for all your fire protection needs.

### Model SD500-PS & SD500-PSDA Addressable Pull Station

The SD500-PS is a single action addressable fire pull station, and the SD500-PSDA is a dual action addressable fire pull station. The SD500-PS/PSDA feature rugged metal construction. A terminal strip on back of the pull station allows interconnection of the pull station to the SLC of an IntelliKnight control panel. The SD500-PS/PSDA is designed for indoor use in non-explosive environments. The normally open initiating point contacts are gold-plated to avoid risk of corrosion. The SD500-PS/PSDA has been tested by UL for compliance to the requirements of the Americans with Disabilities ACT (ADA).

#### Features

- UL Listed
- CSFM listed
- ADA compliant
- Key reset (Same key as Silent Knight enclosures)
- Surface mount back box available
- Terminals - accept up to 14 gauge wire
- Extremely easy to operate
- Corrosion-resistant gold-plated contacts.

- Reflective label makes it easier to locate in low light

#### Operation

The SD500-PS/PSDA single action pull stations are operated by a pull on the front pull cover of the station. A plunger switch, wired to a self contained addressable module, is released as the pull station opens to initiate the alarm. Once operated, the cover hangs down and can be seen up to 100 feet away. The pull station is reset by returning the front cover to the normal upright position and relocking the station with a reset key. The reset keys are the same keys used on Silent Knight enclosures.

The SD500-PS/PSDA includes a status LED which blinks, indicating that the addressable module is communicating with the loop. The status LED lights continuously during an alarm. A dip switch on the addressable module is used to set the unique address.

#### Specifications

Operating Voltage:	24VDC
Standby Current:	.55mA
Alarm Current:	.55mA
Ambient Temperature:	32°F to 120°F (0°C to 49°C)
Mounting:	Single gang box -
Optional Red Surface Mount Box PS-SMBB	



**SD500-PS**



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# SD500-PS and SD500-PSDA Addressable Pull-Station

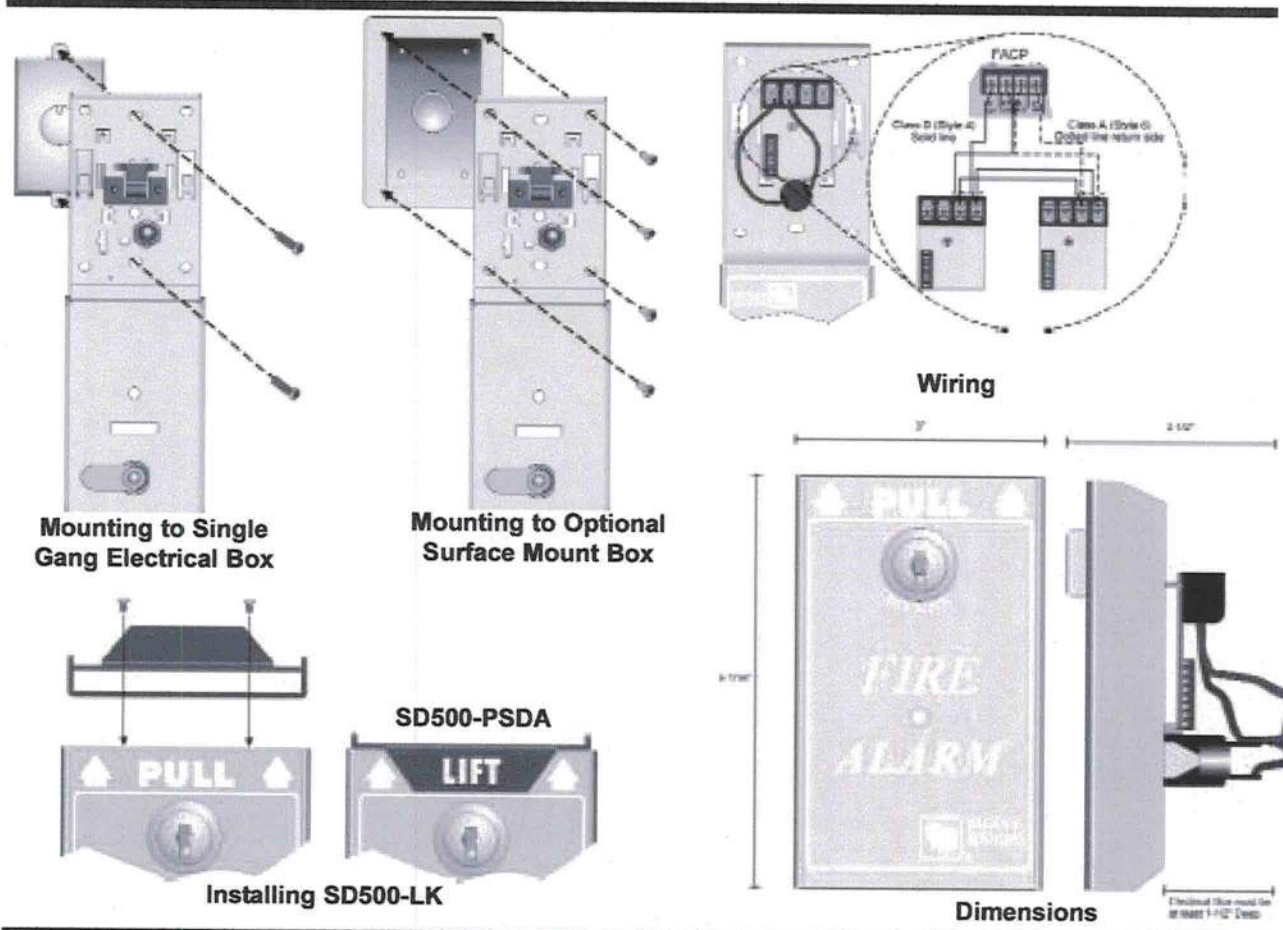


## Engineering Specifications

Manual pull station shall be addressable Module SD500-PS/SD500-PSDA. Equipment shall be made of 14 gauge C.R.S.(Cold Rolled Steel), painted with a red enamel. The label shall contain the words Fire Alarm and be made of a reflective material embossed text 3/8 inches tall. Operating instruction shall be clearly visible on the same label. Manual station shall contain a key operated test and reset lock using a lock plate actuator, the key shall match the control panel.

Manual station shall contain four terminal blocks with two connected to the addressable module and two connect to the SLC loop. Manual station shall provide data to the control panel with an ID address programmed by dip switch settings.

Manual stations shall be Underwriters Laboratories Inc. listed and installed within the limits defined in the American Disabilities Act.



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7550 Meridian Circle, Maple Grove, MN 55369-4927  
800-446-6444 or in Minnesota 763-493-6435

FAX: 763-493-6475

World Wide Web: <http://www.silentknight.com>

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## Addressable Photoelectric Type Smoke Detector



**Detect smoldering fires quickly and get help fast with IntelliKnight® photoelectric smoke detectors.**

IntelliKnight addressable photoelectric smoke detectors are the clear choice for commercial settings where smoldering fires are a threat. In addition to accurately detecting a smoldering fire, each SD505-APS photoelectric detector has a unique address, which is recognized by the IntelliKnight panel. No precious seconds are wasted in determining location of an alarm.

The SD505-APS compensates automatically for contamination in the environment. And detector testing is simple—even from a remote site. Like other IntelliKnight detector models, the SD505-APS offers a low profile for pleasing aesthetics. The IntelliKnight family of detectors has been designed to use a common base, Model SD505-6AB, allowing complete application and placement flexibility. Combine all this with the features you've come to expect from Silent Knight smoke detectors—easy installation, stable operation, RF/transient protection, and vandal-resistant locking—and it adds up to a flexible solution for all your fire protection needs.

### Model SD505-APS Analog / Addressable Photoelectric Type Smoke Detector

The SD505-APS is particularly suited to detecting dense smoke typical of fires involving materials such as soft furnishings, plastic, foam or other similar materials which tend to smolder and produce large visible particles.

The detector features automatic compensation for contamination and a simple detector calibration test procedure that can be run from the panel or remotely (using the Windows™ based downloading software).

### Operation

The SD505-APS units made up of an LED light source and a silicon photo diode receiving element. In a normal standby condition, the receiving element receives no light from the pulsing light source. In the event of fire, smoke enters the detector and light is reflected from the smoke particles to the receiving element.

The light received is converted into an electronic signal. Under normal conditions, the status LED blinks approximately every 15 seconds, indicating that the head is communicating with the loop. The LED lights continuously during the alarm period.

### Features

- Low profile, 2 inches, including base
- Simple and reliable addressing without mechanical switches
- Automatic compensation for sensor contamination
- Built-in fire test feature
- Simple detector calibration testing through the control panel or remotely through a Windows™ based computer software.
- Vandal-resistance locking features
- Field cleanable
- UL listed, meets NFPA 72 Ch 7 requirements
- CSFM approved
- MEA approved
- FM Approved



**SD505-APS Smoke Detector**

### Specifications

Operating Voltage:	17-41 VDC
Current Consumption:	
Standby:	.55 mA
Alarm:	.55 mA
Ambient Temperature:	32°F to 100°F (0°C to 50°C)
Mounting:	4" Square, 4" OCT, Single gang mud ring
Relative Humidity:	85% noncondensing
Air Velocity:	0 - 300 FPM
Compatible Bases: (Sold Separately)	SD505-6AB (6" Base) SD505-4AB (4" Base)



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## Model SD505-APS Addressable Photoelectric Type Smoke Detector



### Engineering Specifications

The contractor shall furnish and install where indicated on the plans, addressable photoelectric smoke detector Silent Knight SD505-APS. The combination detector head, and twist-lock base, shall be UL® listed compatible with Silent Knight's IntelliKnight fire control panels.

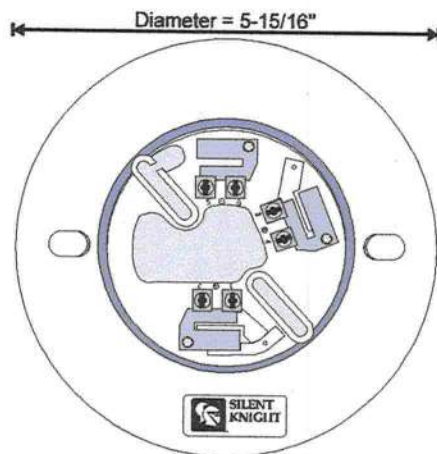
The base shall permit direct interchange with Silent Knight SD505-AIS Ionization Smoke Detector, or SD505-AHS Heat Detector. Base shall be the appropriate twist-lock base SD505-6AB.

The smoke detector shall have a flashing status LED for visual supervision. When the detector is actuated, the flashing LED will latch on steady. The detector may be reset by actuating the control panel reset switch.

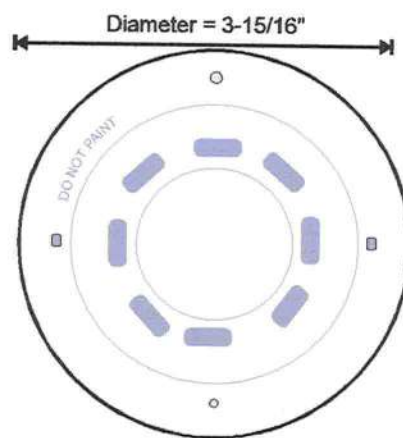
The calibration of the detector shall be capable of being selected and measured by the control panel without the need for external test apparatus.

The vandal-resistant, security locking feature shall be used in those areas as indicated on the drawing. The locking feature shall be field selectable as required.

The SD505-APS shall automatically perform a functional test of the detector. The test method shall simulate effects of products of combustion in the chamber to ensure testing of detector circuits.



**Model SD505-6AB Detector Base**  
(front view)



**Model SD505-APS Detector Head**  
(front view)

Height = 2 inches,  
including base



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800-446-6444 or in Minnesota 763-493-6435  
FAX: 763-493-6475  
World Wide Web: <http://www.silentknight.com>

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**Model SD505-ADHR**  
Duct Detector Housing with Relay Module  
and  
**Model SD505-DTS**  
Remote Test Switch



**Detect smoke in air handling systems and prevent re-circulation with Silent Knight's addressable duct smoke detector**

The SD505-ADHR/DTS addressable duct smoke detector detects smoke and products of combustion present in air moving through an HVAC duct to prevent re-circulation of smoke into the air handling system. The SD505-ADHR is a heavy duty metal housing with a pre-installed detector base and relay module. When smoke is detected in a duct, the unit communicates the condition to the IntelliKnight FACP. The built-in relay module, in turn, turns off fans, blowers, and other devices.

The SD505-DTS is a remote test switch that is used with the SD505-ADHR so you can remote test the Duct Detector. It also provides LED indication of the status of the SD505-ADHR.

The SD505-ADHR/DTS is designed to be used with Silent Knight's SD505-APS Photoelectric Smoke Detector and SD505-AIS Ionization Smoke Detector.

### Models SD505-ADHR and SD505-DTS

#### Features

- Two-wire connection to SLC
- LED alarm indication and communication on sensor head
- Rugged steel backbox with clear plastic cover
- Installation template included
- Large terminal connection screws
- Interchangeable "plug-in" photoelectric or ionization heads
- UL listed
- Operates on 24 VAC/VDC or 120/240 VAC

#### Specifications

##### Included Parts:

- Metal housing with 7.5" exhaust tube
- SD505-4AB detector base
- Installation template
- 4 mounting screws

##### Parts not included with SD505-ADHR/DTS:

- Photoelectric Smoke Det. SD505-APS
- Ionization Smoke Det. SD505-AIS
- Sampling tube for 6" to 2.5' duct width STS-2.5

Sampling tube for 2.5' to 5.0' duct width  
STS-5.0

Sampling tube for 5.0' to 10.0' duct width  
STS-10.0

Operating Voltage: 24 VAC/VDC  
120/240 VAC

Current @ 24 VDC:  
Alarm: 75 mA Max.  
Standby: 35 mA Max.

SLC Current:  
Standby/Alarm: .082 mA

Alarm Relay: 10 A @ 24 VDC  
10 A @ 120/240 VAC

Trouble Relay: 2.5 A @ 30VDC

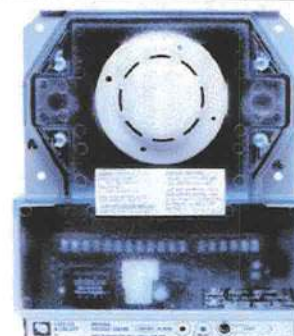
Air Velocity:  
500-4000 fpm SD505-APS  
300-4000 fpm SD505-AIS

Sensitivity:  
1.1 SD505-APS  
0.8 SD505-AIS

Humidity: 10 to 85% RH

Ambient Temperature: 32°F to 100°F  
(0°C to 37°C)

SD505-ADHR  
Dimensions: 10" H x 8.25" W x  
2.25" D



**SD505-ADHR**



**SD505-DTS**

SD505-DTS  
Dimensions: 4.5" H x 2.75" W x  
1-5/8" D

Color:  
SD505-ADHR: Gray  
SD505-DTS: Red



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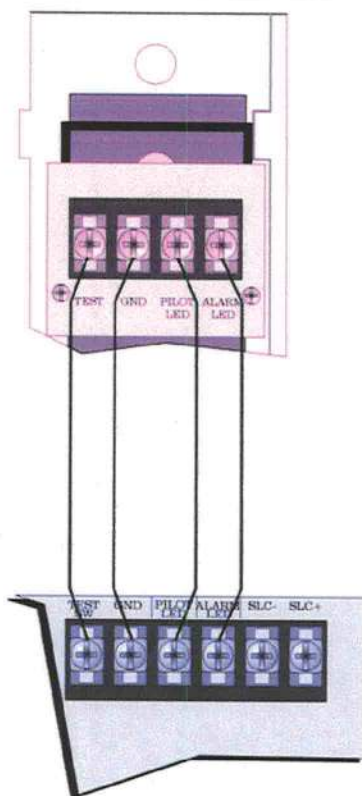


## Model SD505-ADHR Duct Detector Housing with Relay Module and Model SD505-DTS Remote Test Switch

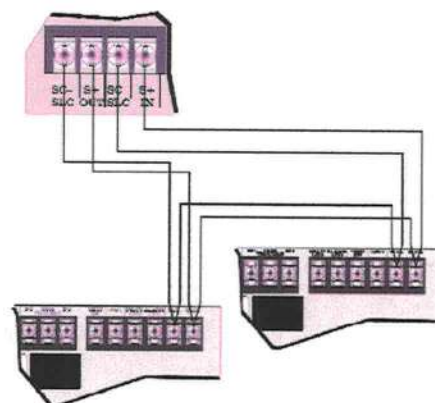


### Engineering Specifications

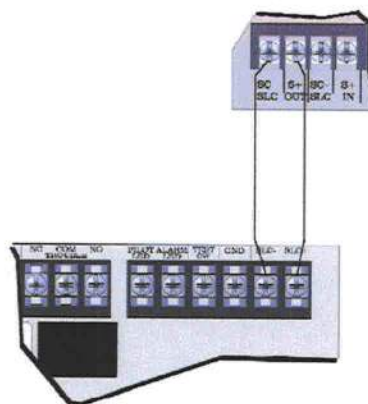
The air duct smoke detector with relay module remote test switch shall be Silent Knight module SD505-ADHR/DTS. The housing shall contain a detector base, Silent Knight model SD505-4AB. The detector base and housing shall be compatible with Silent Knight smoke detectors models SD505-APS and SD505-AIS. Alarm Relay rated at 10A @ 120/240 VAC and 24 VDC to control HVAC power. Module shall have separate LEDs that indicate normal or alarm condition. Module shall have a momentary key switch for testing of the duct detector.



**SD505-ADHR and SD505-DTS  
Wiring Connections**



**Class A (Style 6) Wiring**



**Class B (Style 4) Wiring**



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