

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that PROTECTION ONE
of 10 Manuel Dr, Portland, Maine 04103

Located At 231 YORK ST

Job ID: 2011-07-1653-FAFS

CBL: 044 - - E - 003 - 001 - - - -

has permission to install a Sprinkler supervisory system

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statutes of Maine and of the Ordinances of the City of Portland regulating the construction, maintenance and use of the buildings and structures, and of the application on file in the department.

Notification of inspection and written permission procured before this building or part thereof is lathed or otherwise closed-in. 48 HOUR NOTICE IS REQUIRED.

A final inspection must be completed by owner before this building or part thereof is occupied. If a certificate of occupancy is required, it must be


Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

THIS CARD MUST BE POSTED ON THE STREET SIDE OF THE PROPERTY
PENALTY FOR REMOVING THIS CARD

BUILDING PERMIT INSPECTION PROCEDURES

Please call 874-8703 or 874-8693 (ONLY)

or email: buildinginspections@portlandmaine.gov

With the issuance of this permit, the owner, builder or their designee is required to provide adequate notice to the city of Portland Inspections Services for the following inspections. Appointments must be requested 48 to 72 hours in advance of the required inspection. The inspection date will need to be confirmed by this office.

- **Please read the conditions of approval that is attached to this permit!! Contact this office if you have any questions.**
- **Permits expire in 6 months. If the project is not started or ceases for 6 months.**
- **If the inspection requirements are not followed as stated below additional fees may be incurred due to the issuance of a "Stop Work Order" and subsequent release to continue.**

The project cannot move to the next phase prior to the required inspection and approval to continue, REGARDLESS OF THE NOTICE OF CIRCUMSTANCES.

IF THE PERMIT REQUIRES A CERTIFICATE OF OCCUPANCY, IT MUST BE PAID FOR AND ISSUED TO THE OWNER OR DESIGNEE BEFORE THE SPACE MAY BE OCCUPIED.



PORTLAND MAINE

Strengthening a Remarkable City, Building a Community for Life • www.portlandmaine.gov

Director of Planning and Urban Development
Penny St. Louis

Job ID: **2011-07-1653-FAFS**
Installation of a **Sprinkler supervisory system**

For installation at:
231 YORK ST

CBL: **044 - - E - 003 - 001 - - - -**

Conditions of Approval:

Fire

This permit is for a sprinkler supervisory system only and shall comply with the City of Portland Standard for Signaling Systems for the Protection of Life and Property. All fire alarm installation and servicing companies shall have a Certificate of Fitness from the Fire Department.

In field installation shall be installed per code as conditions dictate.

Records cabinet, FACP, annunciator(s), and pull stations shall be keyed alike.

Central Station monitoring for addressable fire alarm systems shall be by point.

All fire alarm records required by NFPA 72 should be stored in an approved cabinet located at the FACP labeled "FIRE ALARM RECORDS".

Installation of a Fire Alarm system requires a Knox Box to be installed per city ordinance.

System acceptance and commissioning must be coordinated with alarm and suppression system contractors and the Fire Department. Call 874-8703 to schedule.

Fire Alarm system shall be maintained. If system is to be off line over 4 hours a fire watch shall be in place. Dispatch notification required 874-8576.

A Firefighter Building Marking Sign shall be provided over the Knox Box at the fire department entrance.

No alarm number shall be assigned to this system.

City of Portland, Maine - Building or Use Permit Application

389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2011-07-1653-FAFS	Date Applied: 7/11/2011	CBL: 044 - - E - 003 - 001 - - - -	
Location of Construction: 231 YORK ST	Owner Name: DANA FISHER LLC	Owner Address: PO BOX 169 PORTLAND, ME - MAINE 04112	Phone:
Business Name:	Contractor Name: One Protection - Jason Gervais	Contractor Address: 10 Manuel Drive, Portland, ME 04103	Phone: 408-4849
Lessee/Buyer's Name:	Phone:	Permit Type: FIRE ALARM - Fire Alarm	Zone: B-1
Past Use: Restaurant	Proposed Use: Same: Restaurant - to install a fire alarm	Cost of Work: \$3,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
		Signature: <i>Bjankop</i> (58)	Signature:
Proposed Project Description: Install Fire Alarm		Pedestrian Activities District (P.A.D.)	
Permit Taken By: Lannie		Zoning Approval	
1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules. 2. Building Permits do not include plumbing, septic or electrical work. 3. Building permits are void if work is not started within six (6) months of the date of issuance. False informatin may invalidate a building permit and stop all work.	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>OK</i> <i>7/12/11</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in Dist or Landmark <input type="checkbox"/> Does not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>9</i>
	CERTIFICATION		

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the appication is issued, I certify that the code official's authorized representative shall have the authority to enter all areas covered by such permit at any reasonable hour to enforce the provision of the code(s) applicable to such permit.

SIGNATURE OF APPLICANT

ADDRESS

DATE

PHONE

RESPONSIBLE PERSON IN CHARGE OF WORK, TITLE

DATE

PHON



Fire Alarm Permit

If you or the property owner owes real estate or property taxes or user charges on any property within the city, payment arrangements must be made before permits of any kind are accepted.

Installation address: 231 York St CBL: 44-E-3
Exact location: (within structure) Basement next to sprinkler system
Type of occupancy(s) (NFPA & ICC): Business
Building owner: Soul Food Group LLC
System Designer (point of contact): Must be Kevin Inman
Designer phone: 207-332-1204 E-mail: kevininman@protection1.com
Installing contractor: Protection One Certificate of Fitness No: 1003
Contractor phone: 207-408-4849 E-mail: jasongervais@protection1.com

This is a new application: YES ☒ NO ☐ New AES Master Box: YES ☐ NO ☐
(Include Master Box approval form)

Amendment to an existing permit: YES ☐ NO ☐ Permit no: _____

The following documents shall be provided with this application:

- | | |
|--|---|
| <input checked="" type="checkbox"/> Floor plans | <input checked="" type="checkbox"/> Scope of Work |
| <input checked="" type="checkbox"/> Wiring diagram | <input checked="" type="checkbox"/> 11 1/2 x 17s |
| <input checked="" type="checkbox"/> Annunciator details | <input checked="" type="checkbox"/> pdf copy (may be e-mailed) |
| <input checked="" type="checkbox"/> Input/ Output Matrix | <input checked="" type="checkbox"/> Designer qualifications |
| <input checked="" type="checkbox"/> Equipment data sheets | <input checked="" type="checkbox"/> Battery/ voltage drop calcs |
| <input checked="" type="checkbox"/> Electrical Permit Pulled (check alarm/com) | |

Master box approval only: YES ☐ NO ☐
(If yes check *New AES Master Box* above)

COST OF WORK: \$2,093.50
PERMIT FEE: 50
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)
RECEIVED
JUL 11 2011
Dept. of Building Inspections
City of Portland Maine

The designer shall be the responsible party for this application. Download a new copy of this application at www.portlandmaine.gov/fire for every submittal. Submit all plans in electronic PDF in addition to readable 11 1/2 x 17s to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.

Prior to acceptance of any fire alarm system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

All installation(s) must comply with the *City of Portland Technical Standard for Signaling Systems for the Protection of Life and Property*, available at www.portlandmaine.gov/fire.

Applicant signature: _____

Date: 7-7-11

Scope of Work:

River House
231 York St,
Portland, ME.

Install FACP to monitor Sprinkler system
Install 1 pull station for manual activation
Install 1 A/V for notification



IntelliKnight® Model 5700 Single Loop Addressable Fire Alarm Control System



The affordable addressable fire alarm control panel solution.

IntelliKnight Model 5700 is a 50 point class leading single loop addressable fire alarm control/communicator system. 5700 provides you with the revolutionary value and performance of addressable sensing technology combined with exclusive, built-in digital communication,

distributed intelligent power, that includes an 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

5700 performs drift compensation and calibration checks on each of the sensors in the system

The basic IntelliKnight 5700 system can be enhanced by adding modules such as 5860 remote annunciator, 5824 serial/parallel printer interface module (for printing system reports), and 5496 intelligent power module. 5700 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 50 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 configurable as 1 Class A (Style Z) or 2 Class B (Style Y), or auxiliary power for resettable, constant, or door holder power
- Built-in synchronization for AMSECO, Gentex®, Faraday, System Sensor®, and Wheelock® appliances
- Built-in annunciator with 80-character LCD display

- RS-485 bus provides communication to system accessories
- Upload or download programming, event history, or detector status onsite or from a remote location using a PC and 5660 Silent Knight Software Suite (SKSS)
- Improvements in SKSS deliver five times faster upload/downloads
- Built-in RS-232 interface for programming via PC
- Built-in Form C trouble relay rated at 2.5A at 27.4 VDC
- Two built-in Form C programmable relays rated at 2.5A at 27.4 VDC
- Programmable date setting for Daylight Saving Time

Electrical Specifications

Primary AC: 120 VAC, 60 Hz, 1.5A
Total Accessory Load: 2.5A @ 27.4 VDC

Notification Power: 2.5A @ 27.4 VDC, power-limited

Standby Current: 200 mA

Alarm Current: 325 mA

Notification/Aux Power Circuits: 2.5A @ 27.4 VDC per circuit, power-limited

Battery Charging Capacity: 7.0-35.0 AH

Battery Size: 7 AH max. allowed in FACP cabinet. Larger capacity batteries can be housed in an RBB accessory cabinet.

Mechanical Specifications

Dimensions:

12.75" W x 15.2" H x 3.4" D
(32.39 W x 38.42 H x 8.57 D cm)

Weight: 11.5 lbs (5.2 kg)

Color: Red



Model 5700

Telephone Requirements:

FCC Part 15 and Part 68 approved

Type of Jack: RJ31X (two required)

Approvals

NFPA 13, NFPA 15, NFPA 16, NFPA 70, & NFPA 72: Central Station; Remote Signalling; Local Protective Signalling Systems; Auxiliary Protected Premises Unit; & Water Deluge Releasing Service. Suitable for automatic, manual, waterflow, sprinkler supervisory (DACT non-coded) signalling services.

Other Approvals. UL Listed, CSFM 7170-0559: 144, MEA 429-92-E Vol. XVI



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by Honeywell

SLC Detectors

SD505-APS

Addressable photoelectric smoke detector

SD505-AIS

Addressable ionization smoke detector

SD505-AHS

Absolute temperature heat detector that goes into alarm immediately if the temperature exceeds the programmable trip point. Trip point range from 135°F–150°F (0°C–37°C)

SD505-6AB

Six inch base for use with detector heads SD505-APS, SD505-AIS and SD505-AHS.

SD505-4AB

Four inch base for use with detector heads SD505-APS, SD505-AIS, and SD505-AHS.

SD505-6SB

Six-inch sounder base for use with existing sensor and base. Operates in single and multi-station modes and/or as a system sounder. Requires 2 additional wires for power.

SD505-6IB

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

SD505-6RB

Six-inch relay base for use with existing sensor and base. Provides one Form C contact.

SD505-ADH

Duct housing that detects smoke in HVAC ducts.

SD505-ADHR

Duct detector base with relay. Provides Form C alarm contact. For use with SD505-APS and SD505-AIS sensors. Compatible with SD505-DTS remote test switch.

SD500-PS/SD500-PSDA

SD500-PS is a single action pull station and SD500-PSDA is a dual action pull station.

SLC Modules

Model SD500-AIM

Dry contact input module for use with normally open dry contacts. It features an indicator LED to show alarm status.

SD500-MIM

Mini dry contact input module is a small version of the SD500-AIM. For use with pull stations and other normally open dry contact inputs.

SD500-ANM

Addressable notification module providing a single Class A or Class B notification circuit on the SLC.

SD500-ARM

Addressable relay module that features two Form C output relays. Provides indicator LED to show output status.

SD500-SDM

Two-wire detector input module. Allows for the connection of conventional 2-wire detectors on the SLC loop. Requires two additional wires for power.

SD500-LIM

A short circuit isolator module for SLC devices. When a short occurs on the SLC loop, it is detected as a trouble, but all SLC devices protected by the isolator module continue to operate.

SD500-LED

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

S-BUS Accessories

5860/R Remote Fire Annunciator

Features the same 80 character backlit LCD display keypad and firefighter's key switch as the 5700. The system can be fully programmed and operated from any 5860. 5860 is gray and 5860R is red.

5496 Intelligent Power Module

A 6 amp notification power expander that provides four additional power-limited notification appliance circuit outputs.

5880 LED/IO Module

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

5865-3 and 5865-4 Remote LED Annunciator

Features 30

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

5883 Relay Board

Provides 10 general purpose Form C relays. Used with 5880 module.

5824 Serial/Parallel Printer Interface Module

Provides one parallel and one RS-232 serial port for connecting a printer to 5808. Use to print a real-time log of system events, detector status reports, and event history. Interfaces with building control system.

Miscellaneous Accessories

5660 Silent Knight Software Suite

User-friendly Windows software for remote programming of 5700s using a PC. Upload and view panel account information, event history, and detector status.

5670 Silent Knight Software Suite

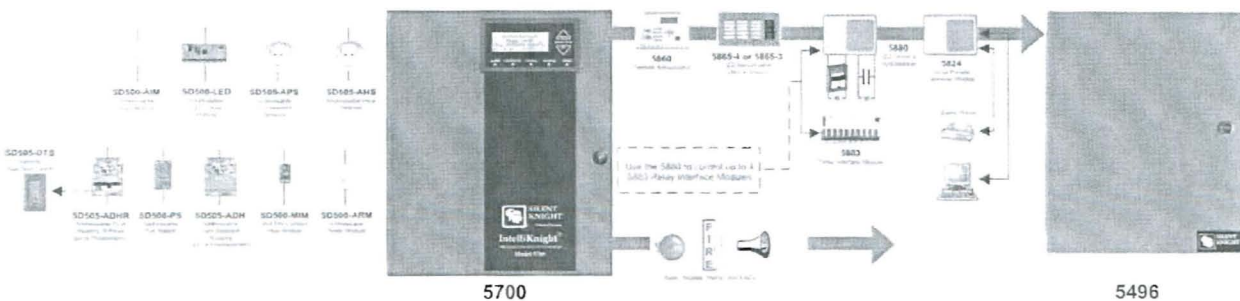
End-user facility management software allows viewing of detector status and event history via modem or direct connection.

RBB

Remote Battery Box Accessory Cabinet. Use if backup batteries are too large to fit into FACP cabinet. Dimensions: 16" W x 10" H x 6" D (406 mm W x 254 mm H x 152 mm D)

SD505-DTS

Remote test switch that provides remote key operated test function and annunciation of detector alarm with SD505-ADHR.



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 more information, contact Silent Knight 7550 Meridian Circle Suite 100, Maple Grove, Mn 55369-4927. Phone: (800) 328-0103, Fax: (763) 493-6475.

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MADE IN AMERICA

FORM# 350392 Rev D, 04/06

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SD500-AIM & SD500-MIM Addressable Input Modules



IntelliKnight's addressable contact monitor modules combine fast response with pinpoint location ID. A combination that saves lives and property.

The SD500-AIM and SD500-MIM are addressable input modules for use with Silent Knight IntelliKnight fire alarm control panels (FACP). The SD500-AIM and SD500-MIM are designed to be used with pull stations, water flow switches, and other applications requiring dry contact alarm initiation devices.

The SD500-AIM addressable input module mounts to a 4"-square box. The SD500-MIM mini input module fits inside a single gang box. The modules are supervised, single input contact monitors. Using an EOL resistor, they monitor for alarm contact closures and for open circuit wiring fault conditions.

The SD500-AIM and SD500-MIM offer a compact design for adaptability and pleasing aesthetics as well as easy installation and stable operation—a flexible solution for all your fire protection needs.

The SD500-AIM and SD500-MIM offer a compact design for adaptability and pleasing aesthetics as well as easy installation and stable operation—a flexible solution for all your fire protection needs.

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 SD500-AIM and SD500-MIM are addressable input modules for use with the IntelliKnight fire alarm control panels (FACPs). The SD500-AIM addressable input module mounts to a 4"-square box. The SD500-MIM mini input module fits inside a single gang box. Both input modules are designed to be used with pull stations, water flow switches, and other applications requiring dry contact alarm initiation devices.

These modules are supervised, single input contact monitors. Using an EOL resistor, they monitor for alarm contact closures and for open circuit wiring fault conditions. If a fault occurs in the wiring, the module alerts the FACP. Each addressable input module is programmed with a unique signal line circuit (SLC) loop address.

Features

- Single contact monitor
- SD500-AIM supports Class A (Style D) or Class B (Style B) contact monitor wiring
- SD500-MIM support for Class B (Style B) contact monitor wiring
- Attractive ivory cover plate with the SD500-AIM
- Small and lightweight size allows for flexible mounting options with the SD500-MIM

- DIP switch programmable for fast installation
- Up to 2500 ft wiring distance from either input module to contact
- Use up to 14 gauge wire
- UL listed

Electrical Specifications

Standby Current: 0.55 mA

Alarm Current: 23 mA max for one device; 46 mA max for two devices; 0.55 mA for each additional device

Line Resistance: 50Ω max

Mechanical Specifications

SD500-AIM Physical Description
Dimensions:

4.9" W x 4.9" H x 1" D
(12.4 W x 12.4 H x 2.5 D cm)
Weight: 3.6 oz (120.1 g)
Color: Ivory cover plate

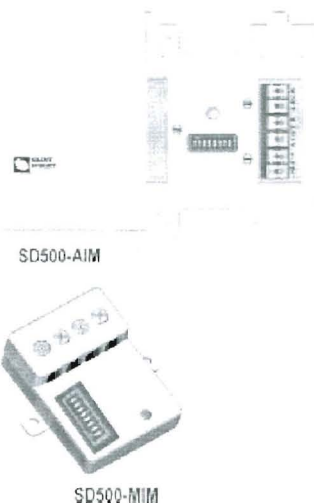
SD500-MIM Physical Description

Dimensions:
1.5" W x 2.5" H x 0.7" D
(3.8 W x 6.4 H x 1.8 D cm)
Weight: 1.6 oz (45.4 g)

Environmental

Operating Temperature:
32°F – 120°F (0°C – 49°C)

Humidity:
10% – 93% non-condensing



Approvals

NFPA 71 & NFPA 72
UL 864
CSFM 7300-0559; 132
MEA 429-92-E Vol. IX
FM Approved for use with the 5820XL



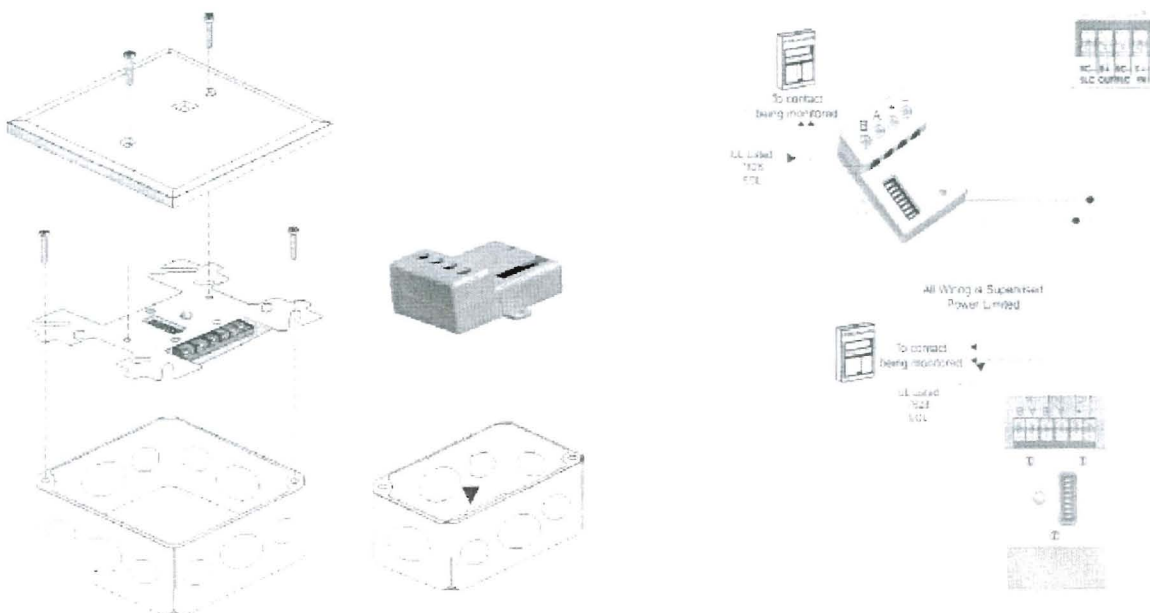
SD500-AIM & SD500-MIM Addressable Input Modules



Engineering Specifications

The contractor shall furnish and install where indicated on the plans, addressable input modules Silent Knight SD500-AIM or SD500-MIM. The modules shall be UL listed and compatible with Silent Knight's IntelliKnight FACP's.

The SD500-MIM shall fit inside a single gang electrical box. The SD500-AIM shall be supplied with a plastic cover and shall be suitable for mounting to a 4"-square or double gang electrical box. The SD500-AIM addressable input module must provide a monitor LED that is visible from outside the cover plate.



Compatible FACP's

5820XL

5808

5700

Ordering Information

SD500-AIM Input Module

Addressable input module with ivory cover plate.

SD500-MIM Input Module

Addressable mini input module.



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by Honeywell

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FORM# 350231 Rev D.

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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

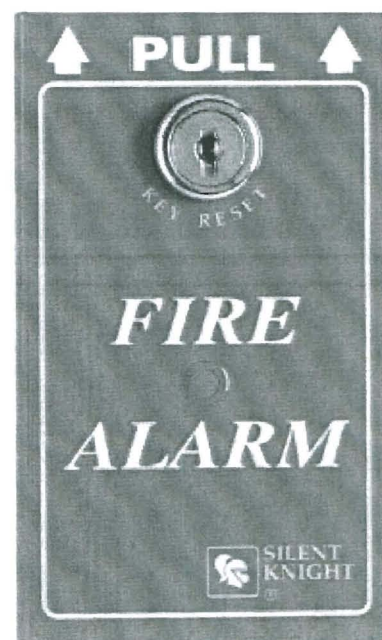
Operation

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



SD500-PS

Ambient Temperature:	32°F to 120°F (0°C to 49°C)
Mounting:	Single gang box -
Optional Red Surface Mount Box PS-SMBB	



**SILENT
KNIGHT**

A. J. Johnson Company

SD500-PS and SD500-PSDA Addressable Pull-Station

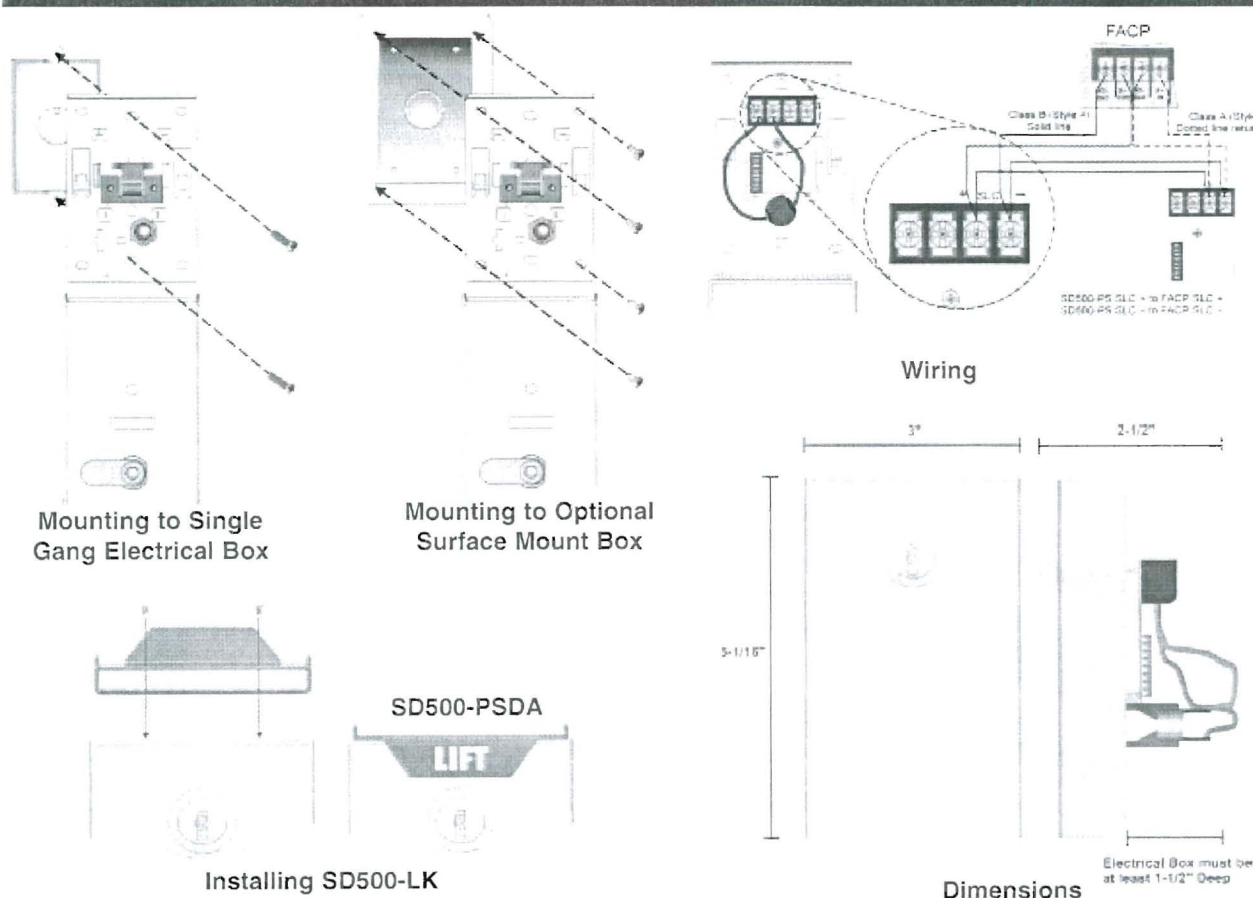


Engineering Specifications

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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A Honeywell Company

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# 350342, Rev. 09/03

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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).

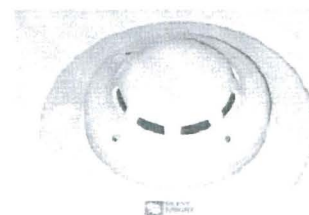
Operation

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 120°F
(0°C to 49°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)



**SILENT
KNIGHT**

by Honeywell

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.

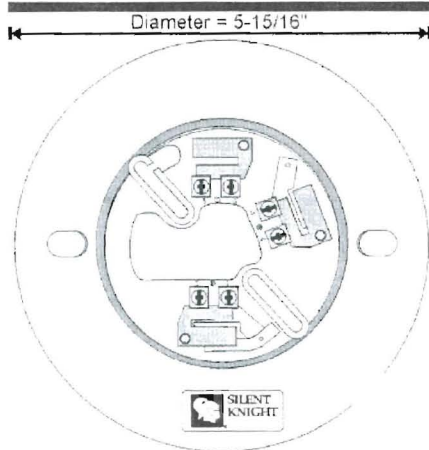
The base shall permit direct interchange with Silent Knight SD505-AIS Ionization Smoke Detector, or SD505-AHS Heat Detector Base shall be the appropriate twist-lock base SD505-6AB.

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.

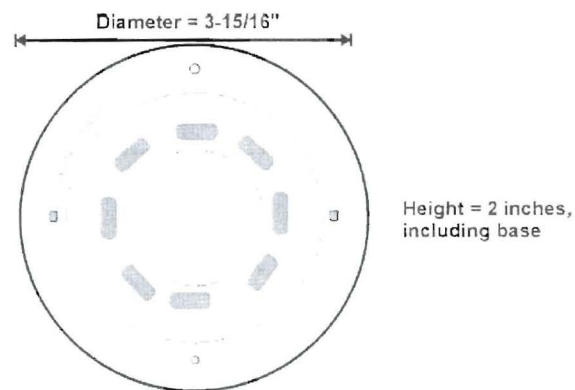
The calibration of the detector shall be capable of being selected and measured by the control panel without the need for external test apparatus.

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)



**SILENT
KNIGHT**

by Honeywell

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 more information, contact Silent Knight 7550 Meridian Circle Suite 100, Maple Grove, Mn 55369-4927
Phone: (800) 328-0103, Fax: (763) 493-6475

MADE IN AMERICA

FORM# 350225 Rev C., 05/05

Copyright © 2005 Silent Knight



Job Name: River House Fire Alarm

231 York Street
Portland, ME 04101
AHJ: City of Portland, Maine

Prepared By:

Robin Russell NICET # 110826
Protection One
10 Manuel Drive
Portland, ME 04103
(207) 347-5327

Circuit Information

Panel Name: Silent Knight 5700 (1) amp circuit
Circuit Name: Circuit #1 Class B @ 14 AWG
Starting Voltage: Starting Voltage = 20.4 DC 24 - volt Supply

Type and Model	Candela	Current (Amps)	Tone and Volume	Dist from last device	Dist from source (ft)	12	14	16	18
Horn/Strobe P2R	75	0.157	Temporal, Medium	100	100	20.337	20.300	20.240	20.146
Total current/amps 0.157	Total Dist:100		voltage drop			0.063	0.100	0.160	0.254



**SILENT
KNIGHT**

5700 Calculations
Version 02.24.09

Global Project Values:

Project Name: River House Fire Alarm

Standby Hours: 24

Project ID:

Alarm Mins: 5

Prepared By: Robin Russell

Derating Factor: 1.2

Date: 6/29/2011

Voltage Drop Warning

Threshold %: 10

Panel ID: 5700

Model: 5700 Add. Fire Alarm Control Panel

Max NAC Current: 2.5 Amps

Location: 231 York Street, Portland, Maine

Volts: 24 VDC

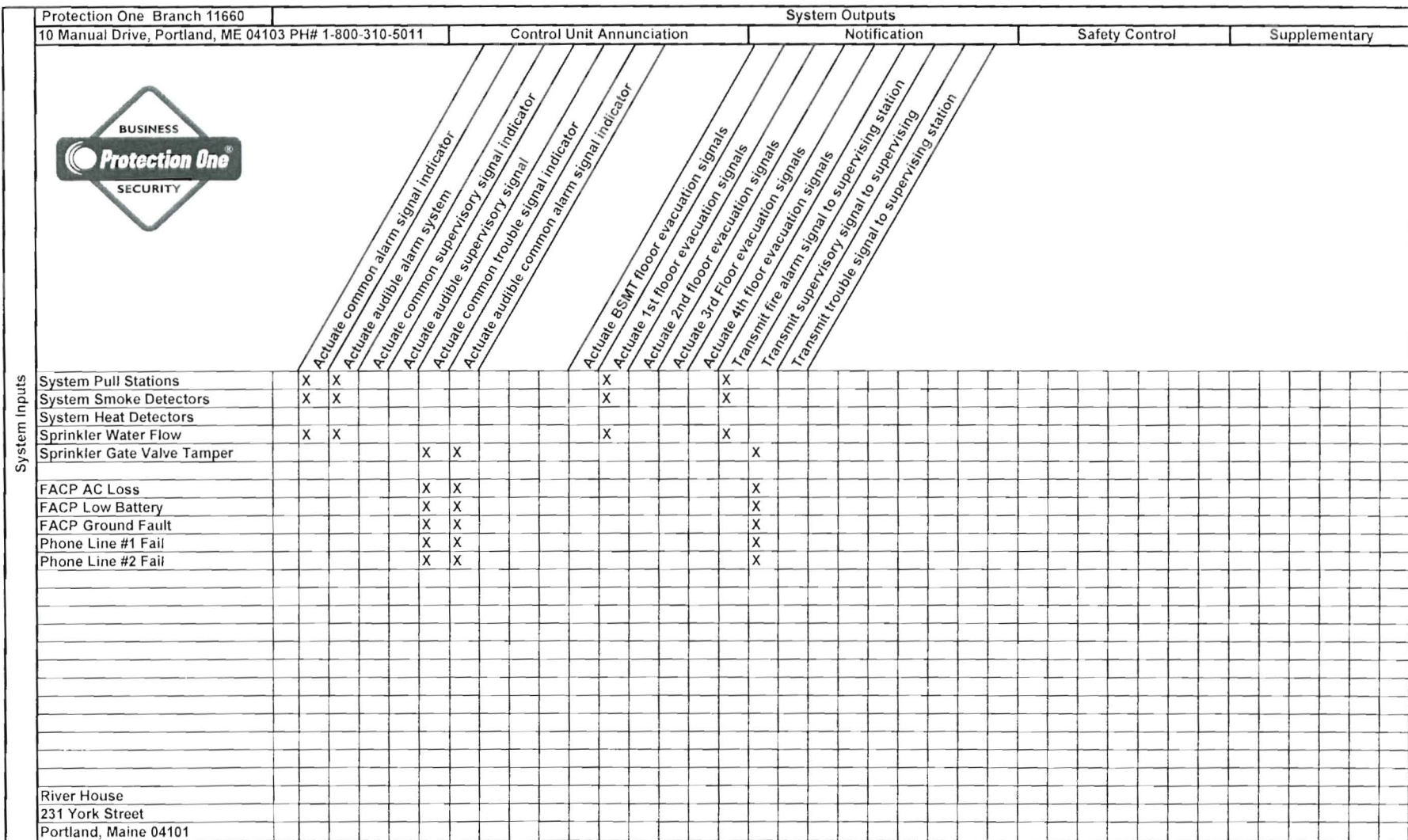
Max Panel Current: 2.5 Amps

Ckt.#	Circuit Name	Qty	Current Draw Standby Alarm	Wire AWG & Type	Ohms Per 1000 Ft.	Length(ft) One-Way	Actual Ohms	Volts @ EOL	%Drop
5700	5700 CTRL Panel	1	0.200	0.325					
SD500-AIM	Addr. Input Mod	1	0.001	0.001					
SD500-MIM	Mini-Input Module	1	0.001	0.001					
SD500-ARM	Addr. Relay Module		0.000	0.000					
SD500-PS	Addr. Pull Station	1	0.001	0.001					
SD505-AIS	Addr. Ion Smoke Det		0.000	0.000					
SD505-AHS	Addr. Heat Detector		0.000	0.000					
SD505-APS	Addr. Photo Smoke Det	1	0.001	0.001					
SD505-DUCTR	Addr. Duct w/Relay		0.000	0.000					
SD505-DUCT	Addr. Duct		0.000	0.000					
SD500-ANM	Addr. Notification Module		0.000	0.000					
SD500-LED	Addr. LED Module		0.000	0.000					
SD500-SDM	Addr. Smoke Det. Mod		0.000	0.000					
SD505-6RB	Addr. Det. Relay Base		0.000	0.000					
SD505-6SB	Addr. Det. Sounder Base		0.000	0.000					
SD505-6IB	Addr. Det. Isolator Base		0.000	0.000					
SD500-LIM	Line Isolation Module		0.000	0.000					
5860	LCD Remote Annunc		0.000	0.000					
5824	Serial/Parallel Module		0.000	0.000					
5496	Power Expander		0.000	0.000					
5895XL	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					
5883	Relay Module		0.000	0.000					
NAC #1	Notification Appl Circuit		0.000	0.116	#14 Solid	2.52	0.00	20.40	0.00%
NAC #2	Notification Appl Circuit		0.000	0.000	#12 Solid	1.59	0.00	20.40	0.00%
Total Standby Current (Amps)			0.202	0.443	Total Alarm Current (Amps)				
Standby Time In Hours			24	0.083	Alarm Time In Minutes / 60 (5 Mins)				
Total Standby AH Required			4.853	0.037	Total Alarm AH Required				
Total Combined AH Required			4.89						
Multiply By The Derating Factor			1.20						
Minimum Battery AmpHours Required			5.87						

Command Shortcuts

Configure Circuits

Print Page



ELECTRICAL PERMIT

City of Portland, Me.



To the Chief Electrical Inspector, Portland Maine:

The undersigned hereby applies for a permit to make electrical installations in accordance with the laws of Maine, the City of Portland Electrical Ordinance, National Electrical Code and the following specifications:

Date 7/11/11

Permit # _____

CBL# 44-E-3

LOCATION: 231 York Street

METER MAKE & # _____

CMP ACCOUNT # _____

OWNER _____

TENANT Soul Food Group LLC

PHONE # _____

TOTAL EACH FEE

OUTLETS	Receptacles	Switches	Smoke Detector	.20
FIXTURES	Incandescent	Fluorescent	Strips	.20
SERVICES	Overhead	Underground	TTL AMPS <800	15.00
	Overhead	Underground	>800	25.00
Temporary Service	Overhead	Underground	TTL AMPS	25.00
				25.00
METERS	(number of)			1.00
MOTORS	(number of)			2.00
RESID/COM	Electric units			1.00
HEATING	oil/gas units	Interior	Exterior	5.00
APPLIANCES	Ranges	Cook Tops	Wall Ovens	2.00
	Insta-Hot	Water heaters	Fans	2.00
	Dryers	Disposals	Dishwasher	2.00
	Compactors	Spa	Washing Machine	2.00
	Others (denote)			2.00
MISC. (number of)	Air Cond/win			3.00
	Air Cond/cent		Pools	10.00
	HVAC	EMS	Thermostat	5.00
	Signs			10.00
	Alarms/res			5.00
<u>Fire/Burg.</u> ✓	Alarms/com			15.00
	Heavy Duty(CRKT)			2.00
	Circus/Carnv			25.00
	Alterations			5.00
	Fire Repairs			15.00
	E Lights			1.00
	E Generators			20.00
PANELS	Service	Remote	Main	4.00
TRANSFORMER	0-25 Kva			5.00
	25-200 Kva			8.00
	Over 200 Kva			10.00
			TOTAL AMOUNT DUE	
	MINIMUM FEE/COMMERCIAL 55.00		MINIMUM FEE	45.00

RECEIVED
JUL 11 2011
Dept. of Building Inspection
City of Portland, Maine

CONTRACTORS NAME Protection One
ADDRESS 10 Manual Drive Portland
TELEPHONE 207-347-5316

MASTER LIC. # 6001702 60018702
LIMITED LIC. # _____

SIGNATURE OF CONTRACTOR _____

White Copy - Office • Yellow Copy - Applicant



CITY OF PORTLAND, MAINE

Department of Building Inspections

Original Receipt

7.11 20 11

Received from Port 1 Gervais

Location of Work 231 York

Cost of Construction \$ _____ Building Fee: 50

Permit Fee \$ _____ Site Fee: 55

Certificate of Occupancy Fee: _____

Total: 105

Building (IL) _____ Plumbing (I5) _____ Electrical (I2) _____ Site Plan (U2) _____

Other _____

CBL: 14.6.3

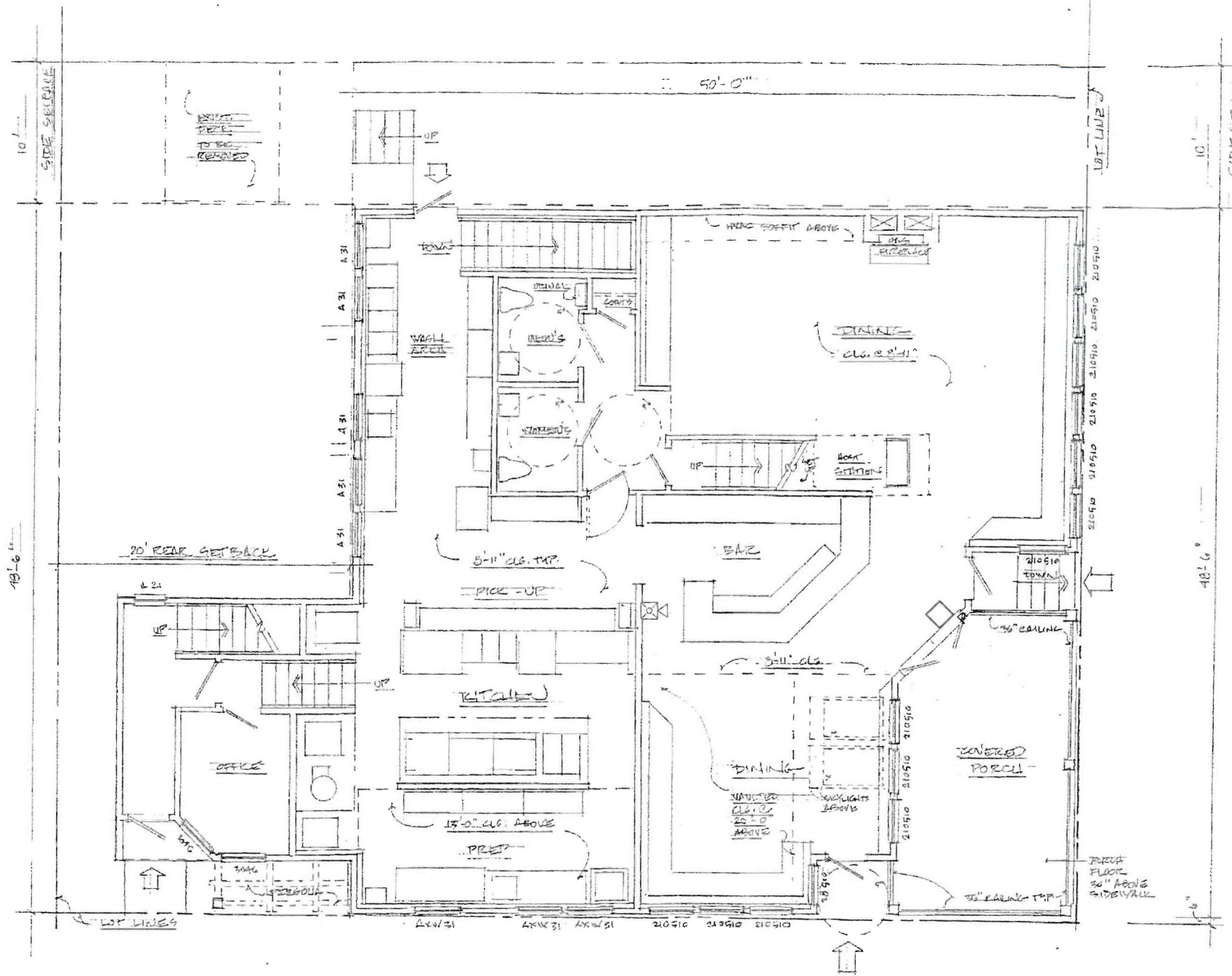
Check #: CC

Total Collected \$ 105

**No work is to be started until permit issued.
Please keep original receipt for your records.**

Taken by: [Signature]

WHITE - Applicant's Copy
YELLOW - Office Copy
PINK - Permit Copy



River House
231 York Street, Portland, Maine
04101

1st Floor Fire Alarm Plan

Symbol	Count	Description
□	1	Manual Station
⊠	1	Horn w/ Light



Robin Russell, Certified Engineering Technician, NICET Cert. # 110826

10 Manuel Drive, Portland, Maine 04103 (207) 347-5327

4/18/11



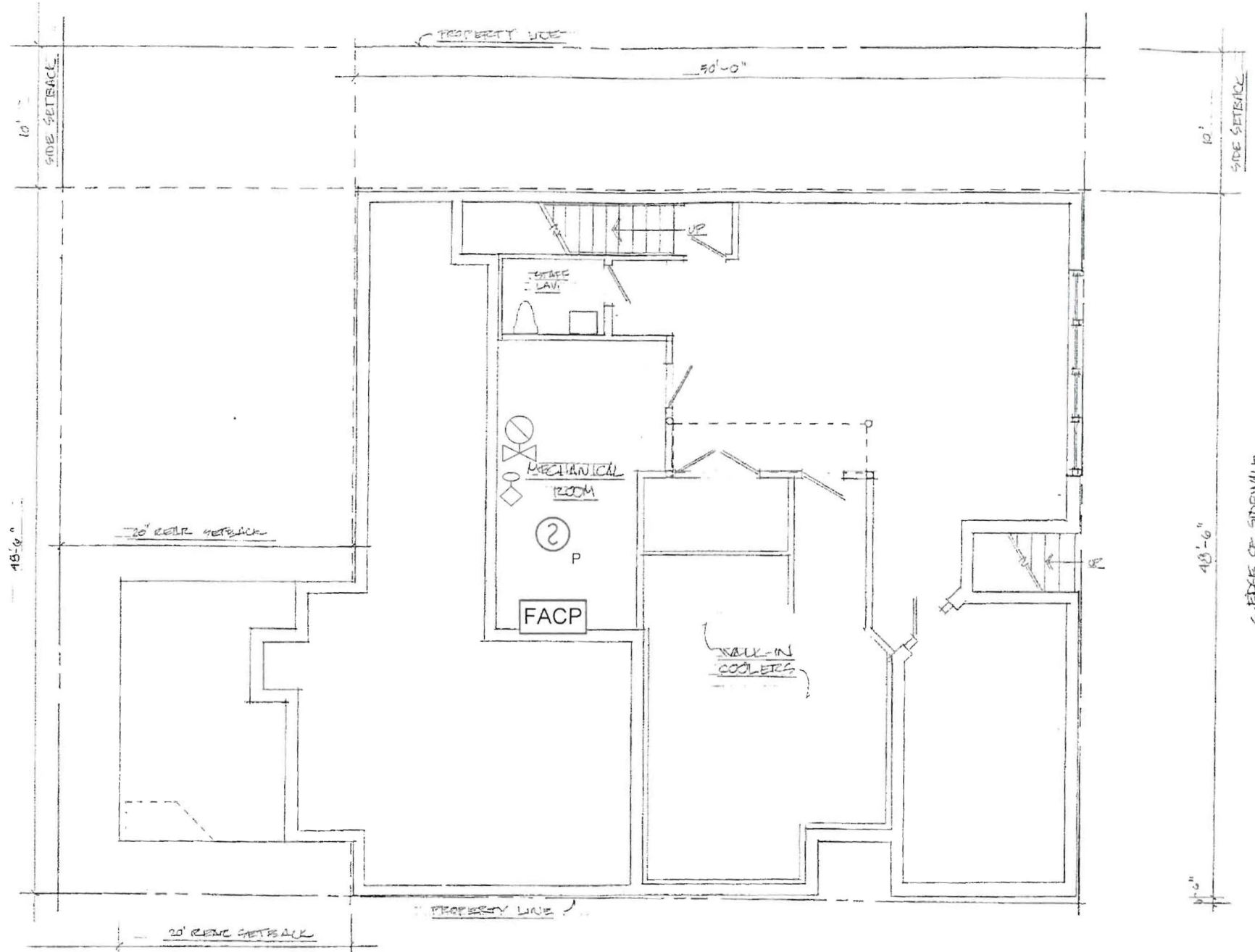
231 YORK STREET PORTLAND, MAINE
FIRST FLOOR PLAN
1/4" = 1'-0"

BECKETT STREET



LELAND HULST
ARCHITECTURAL SERVICES

978 Spring Street / Portland, Maine 04102 / (207) 773-8843



River House 231 York Street, Portland, Maine 04101		
Basement Fire Alarm Plan		
Symbol	Count	Description
	1	Fire Alarm Control Panel
	1	Smoke Detector
	1	Flow Detector
	1	Valve w/ Tamper Detector

YORK STREET

Robin Russell, Certified Engineering Technician, NICET Cert. # 110826
 10 Manuel Drive, Portland, Maine 04103 (207) 347-5327
 4/18/11

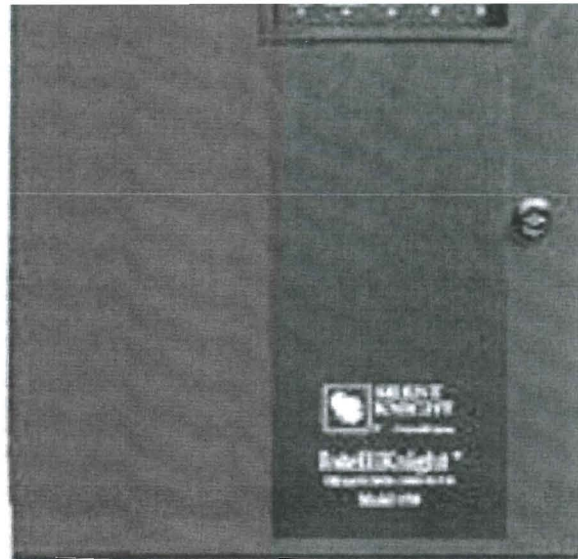


231 YORK STREET PORTLAND, MAINE
 BASEMENT PLAN PROPOSAL
 1/4" = 1'-0" 9/23/09

BRACKETT STREET



LELAND HULST
 ARCHITECTURAL SERVICES
 278 Spring Street / Portland, Maine 04102 / (207) 773-8943

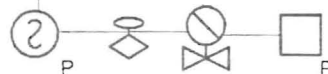


14/2 FPL

NAC #2

16/2 FPL

INITIATING CIRCUIT



231 York Street, Portland, Maine 04101

Fire Alarm Riser

Symbol	Count	Description
	1	Manual Station
	1	Smoke Detector
	1	Flow Detector
	1	Valve w/ Tamper Detector
	1	Horn w/ Light



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6/29/11