

# City of Portland, Maine - Building or Use Permit Application

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

Permit No: 10-0339	Issue Date:	CBL: 268 A011001
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Location of Construction: 155 Riverside St	Owner Name: H J Associates Ltd	Owner Address: 155 Riverside St	Phone:
Business Name: Howard Johnsons	Contractor Name: Protection One	Contractor Address: 10 Manuel Drive Portland	Phone: 2073475316
Lessee/Buyer's Name	Phone:	Permit Type: Fire Alarm System	Zone: B-4

Past Use: Restaurant / Verrillo's Restaurant	Proposed Use: Verrillo's Restaurant / Install fire alarm system.	Permit Fee: \$40.00	Cost of Work: \$2,000.00	CEO District: 3
		FIRE DEPT: <input type="checkbox"/> Approved <input checked="" type="checkbox"/> Denied	INSPECTION: Use Group: Type:	

EXPIRED  
Signature: *[Signature]* (50)  
Signature: \_\_\_\_\_

**Proposed Project Description:**  
Install fire alarm system.

**PEDESTRIAN ACTIVITIES DISTRICT (P.A.D.)**  
Action:  Approved  Approved w/Conditions  Denied  
Signature: \_\_\_\_\_ Date: \_\_\_\_\_

Permit Taken By: gg	Date Applied For: 04/06/2010	<b>Zoning Approval</b>	
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- This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.
- Building permits do not include plumbing, septic or electrical work.
- Building permits are void if work is not started within six (6) months of the date of issuance. False information may invalidate a building permit and stop all work..

<b>Special Zone or Reviews</b> <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetland <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan Maj <input type="checkbox"/> Mjnor <input type="checkbox"/> MM <input type="checkbox"/> Date: <i>[Signature]</i> 4/8/10	<b>Zoning Appeal</b> <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: _____	<b>Historic Preservation</b> <input checked="" type="checkbox"/> Not in District 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>[Signature]</i>
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### 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 application 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	PHONE

## Benjamin Wallace - Seasons Grill - 155 Riverside St

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**From:** Benjamin Wallace  
**To:** kevininman@protectionone.com  
**Date:** 4/21/2010 11:59 AM  
**Subject:** Seasons Grill - 155 Riverside St  
**Attachments:** Benjamin Wallace.vcf

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Hi Kevin,

The cut sheet for the voice evac panel says it must have a separately listed electrically compatible FACP. I see that you highlighted what the evac requires but I have no info on what the FACP provides. Can you e-mail that to me? Also I need the cut sheets for the speaker/strobes and the statement that the same are compatible and the same model so that they will sync. . Does the EVAC panel use it's own power and battery supply? Please also include a riser diagram, battery and voltage drop calcs. I understand you may have to take an Ohm meter to the site to figure this out.

Thanks,

Benjamin A. Wallace Jr.  
Fire Prevention Officer  
Portland Fire Department  
380 Congress Street  
Portland, Maine 04101  
(207)756-8096  
wallaceb@portlandmaine.gov

100339



# 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: 155 Riverside St CBL: 268 A011001

Exact location: (within structure) Seasons Grille - side entrance facing side parking lot

Type of occupancy(s) (NFPA & ICC): Assembly

Building owner: Howard Johnsons

System Designer (point of contact): Kevin Inman  
Must be

Designer phone: 207-332-1204 E-mail: kevininman@protectionone.com

Installing contractor: Protection One Certificate of Fitness No: 1003

Contractor phone: 207-347-5316 E-mail: johnkempton@protectionone.com

This is a new application: YES  NO

This is an amendment to an existing permit: YES  NO  Permit no: \_\_\_\_\_

**The following documents shall be provided with this application:**

- Floor plans
- Wiring diagram
- Annunciator details
- Equipment data sheets
- Battery & voltage drop calculations
- Input/ Output Matrix
- Designer qualifications
- Electrical Permit Pulled (check alarm/com)

COST OF WORK: 2000

PERMIT FEE: 40  
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

**RECEIVED**

APR - 6 2010

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](http://www.portlandmaine.gov/fire) for every submittal. Submit all plans in electronic PDF in addition to full sized plans to the Building Inspections Department, 389 Congress Street, Room 315, Portland, Maine 04101.**

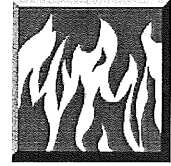
Prior to acceptance of any fire alarm system, a complete commissioning and acceptance test must be coordinated with all fire system contractors and the Fire Department, and proper documentation of such test(s) provided.

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](http://www.portlandmaine.gov/fire).

Applicant signature: [Signature] Date: 4-5-10



## SKE-Series Voice Evacuation System Model SKE-450, Model SKE-450-ZN4 / ZN6



### The SKE-Series Voice Evacuation System provides maximum flexibility to accommodate your voice evacuation requirements

The SKE-Series Voice Evacuation system provides 50 watts of output power. The SKE-Series system consists of several different models, the SKE-450, SKE-450-ZN4 or SKE-450-ZN6. Each model has a built in Digital Message Repeater, power supply and a supervised microphone. All models have two alarm inputs, one triggered by reverse polarity and one by supervised dry contact trigger. The system supports 25 or 70.7 VRMS operation to accommodate most installations. The audio messages are field programmable via the built in microphone, through the line level input, or by downloading via the internet. The models SKE-450-ZN4 (w/4-zone splitter) and SKE-450-ZN6 (w/6-zone splitter) also contain a zone splitter capable of dividing the speaker output into 4 or 6 separate outputs.

#### SKE-Series Voice Evac. System

The SKE-450 and SKE-450-ZN4/ZN6 voice evacuation are activated when one of the two alarm inputs are tripped. When this occurs the control will output a pre-recorded audio message corresponding to the alarm input that was tripped. The repetition of the digital audio message and the selected notification output are completely programmable.

The SKE-450-ZN4/ZN6 comes equipped with a 4 or 6 zone splitter respectively, capable of dividing the speaker output from the amplifier into four or six Class B or Class A outputs. The zone splitter also has an All Call feature that will activate all speaker zones regardless of the individual toggle switch settings.

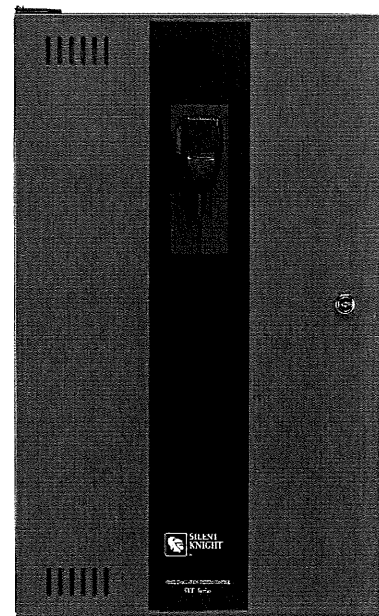
Both models provide seven visual indicators for, Speaker Trouble, Alarm, Microphone Trouble, Command 2 Trouble, Earth Ground Fault, Low Battery, and Power.

#### Features

- 50 watts of output power on a 25 or 70.7 VRMS speaker circuit. The speaker circuit can be Class A or B. Provides maximum flexibility for new or retrofit jobs.
- Downloadable Voice Messages via direct connect. If you need a different message download it from the SK website free of charge!
- Digital Message Repeater -Built in to

the SKE motherboard. No additional wiring to install makes setup fast and easy. Capable of storing three messages, messages one and two are built in messages of up to 30 seconds. Message three is field programmable and can be up to 45 seconds long.

- Digital Signal Processor -Processes digital quality audio, generates tones and provides control functions.
- Supervised Microphone -The built in supervised microphone provides system paging function and field message programming capability.
- Dead Front Cabinet - Provides protection for users, prevents tampering with system electronics.
- Dedicated relays-Built in form "C" relays for alarm and trouble increase flexibility and keeps installation cost down.
- Two Inputs-One reverse polarity input and one supervised dry contact input provides maximum flexibility.
- Built in system power is capable of operating the system and charging system backup batteries.
- The SKE-ZN4 zone splitter provides four Class B or Class A output circuits (each loop can draw 50 watts, with maximum of 50 watts total for whole system). The SKE-ZN6 zone splitter provides six Class B or Class A output circuits (20 watts per circuit, with 50 watts max for the whole system). Both splitters provide paging by zone or all call.



#### SKE-Series Voice Evacuation

#### Listing/Approvals

- UL Listed
- MEA approval 429-92-E Vol. XI
- CSFM Listed



**SILENT  
KNIGHT**

by Honeywell

# SKE-Series Voice Evacuation System Model SKE-450 and Model SKE-450-ZN4



## Engineering Specifications

The system shall contain a voice evacuation system to supervise and operate UL listed voice evacuation speakers. The system shall have a built in UL listed power supply. The system shall be capable of supporting an optional UL listed zone splitter that can be housed in the main voice control cabinet. In addition, the system will issue pre-recorded voice commands locally for purpose of evacuation. The system must support a minimum of two pre-recorded messages and have the capability of adding application specific messages through the use of a PC. The voice evacuation system shall have the ability to provide a supervised microphone for the purpose of audible local instructions that will override the pre-recorded messages. The system shall contain a dead front panel inside the enclosure to protect the circuitry from tampering and to protect the operator from hazardous voltages.

### Specifications

Operating Voltage: 120 Vrms @ 60Hz /  
\*230 Vrms @ 50Hz  
(\*ask for HV version)

Current Draw:  
Standby: 140 mA  
Alarm: 590 mA

ZN4 Current Draw:  
Standby: 45 mA  
Alarm: 250 mA  
(all channels)

ZN6 Current Draw  
Standby: 35 mA  
Alarm: 120 mA  
(all channels)

Flush Mount  
Dimensions:  
Height: 24.75" (62.9 cm)  
Width: 14.5" (36.8 cm)  
Depth: 3-7/16" (8.73 cm)  
with 5/8" protruding

Overall Dimensions  
Height: 26-3/8" (67 cm)  
Width: 17-3/16" (43.66 cm)  
Total Depth: 4" (10.16 cm)

Operating Temp.: 32° to 120° F  
(0° to 49° C)

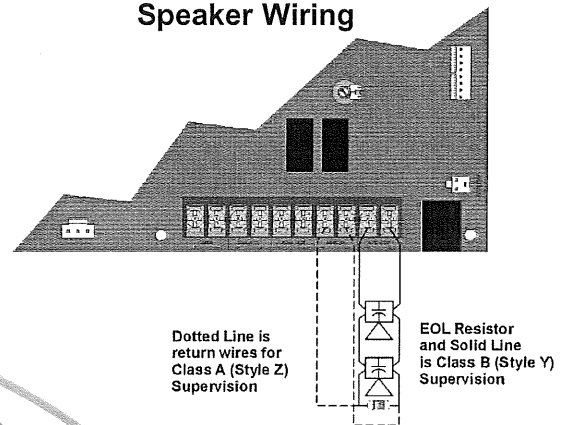
Humidity: 10 to 93% RH

### Optional Accessories

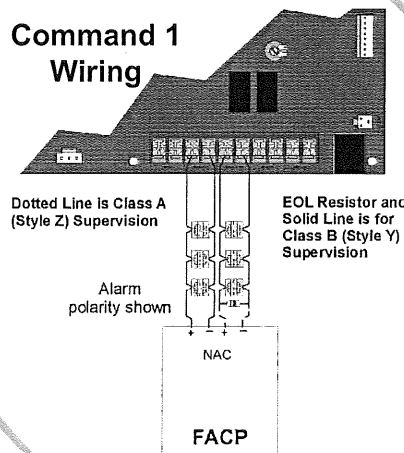
**SKE-V70 Module**—Converts speaker circuit voltage from 25 to 70.7 Vrms. Current Draw: Standby 10 mA; Alarm: 70 mA.

**SKE-SRM**—Supervised remote microphone. Current Draw: Standby & Alarm: 30 mA.

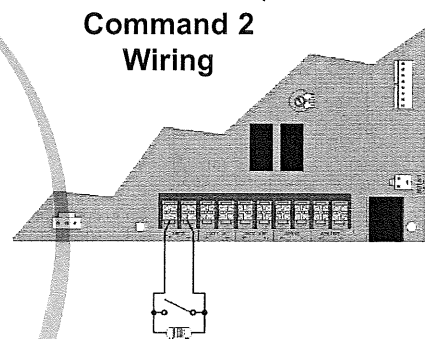
### Speaker Wiring



### Command 1 Wiring



### Command 2 Wiring



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 12 Clintonville Road, Northford, CT 06472-1610. Phone: (800) 328-0103, Fax: (203) 484-7118. [www.silentknight.com](http://www.silentknight.com)

**MADE IN AMERICA**

FORM# 350794 Rev B  
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CALIFORNIA DEPARTMENT OF FORESTRY & FIRE PROTECTION  
OFFICE OF THE STATE FIRE MARSHAL  
FIRE ENGINEERING - BUILDING MATERIALS LISTING PROGRAM



# LISTING SERVICE

**LISTING No.** 6911-0559:141

Page 1 of 1

**CATEGORY:** Voice Communication Systems Control Units

**LISTEE:** Silent Knight Security, 7550 Meridian Circle, Maple Grove, MN 55369  
Contact: \*Michael Mc Isaac (763) 493-6400 FAX (763) 391-5464

**DESIGN:** Model SKE-426 and SKE-450,\*-ZN4,\*-ZN6 Voice Evacuation Systems. Power limited. The unit is a single channel, automatic or manual voice evacuation/emergency message panel. The unit is intended to be used in conjunction with a listed electrically compatible fire alarm control unit to provide voice communication, paging, evacuation tone signals, and voice alarm signals with voice override. Refer to listee's data sheet for detailed product description and operational considerations. System components:

SKE-426, -450, *-B450	Main Board
SKE-ZN4	4-Zone Splitter Module
SKE-ZN6	6-Zone Splitter Module
SKE-PS3	Power Supply Module
SKE-V70	Speaker Card
SKE-SRM	Remote Microphone

**RATING:** Input: 120 VAC, 240VAC, Standby: 24 VDC

**INSTALLATION:** In accordance with listee's printed installation instructions, wiring diagram, applicable codes and ordinances and in a manner which is acceptable to the authority having jurisdiction.

**MARKING:** Listee's name, model number, electrical rating and UL label.

**APPROVAL:** Listed as a voice evacuation system for use with a separately listed electrically compatible fire alarm control units.

This control unit can generate a distinctive three pulse temporal fire alarm evacuation signal (for total evacuation) in accordance with NFPA 72, 2002 Edition.

\*Rev. 04-21-2006 jw



This listing is based upon technical data submitted by the applicant. CSFM Fire Engineering staff has reviewed the test results and/or other data but does not make an independent verification of any claims. This listing is not an endorsement or recommendation of the item listed. This listing should not be used to verify correct operational requirements or installation criteria. Refer to listee's data sheet, installation instructions and/or other suitable information sources.

Date Issued: **JUNE 18, 2009**

*Listing Expires June 30, 2010*

Authorized By: **FRANCIS MATEO**, Program Coordinator  
Fire Engineering Division