DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK

CITY OF PORTLAND

PERMIT ISSUED

BUILDING PERMIT

This is to certify that STREETLLC CHABOT

Located At 43 BAXTER

City of Portland

Job ID: 2011-02-483-FAFS

CBL: 112 - - F - 022 - 001 - - - - -

has permission to Annunciator-front lobby FACP- Sprinkler Room

provided that the person or persons, firm or corporation accepting this permit shall comply with all of the provisions of the Statues 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 CAR

City of Portland, Maine - Building or Use Permit Application

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

PERMIT ISSUED

MAR 18 2011

City of Portland

Job No:	Date Applied:	CBL:	
2011-02-483-FAFS	2/24/2011	112 - - F - 022 - 001 - - - - -	
Location of Construction: 43 BAXTER BOULEVARD	**Owner Name:** STREET LLC CHABOT	**Owner Address:** 100 SILVER ST PORTLAND, ME - MAINE 04101	**Phone:**
Business Name:	**Contractor Name:** Protection One	**Contractor Address:**	**Phone:** 210-8848
Lessee/Buyer's Name:	**Phone:**	**Permit Type:** FIRE ALARM - Fire Alarm	**Zone:** B-2
Past Use: Professional Offices	**Proposed Use:** Professional Offices – install fire alarm	**Cost of Work:** 3000.00	**CEO District:**
		Fire Dept: ✓ Approved w/conditions ___ Denied ___ N/A Signature: BJ Waldron (58)	**Inspection:** Use Group: Type: Signature:
Proposed Project Description: 43 Baxter Fire Alarm		**Pedestrian Activities District (P.A.D.)**	
Permit Taken By:			

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 electrial 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.

Zoning Approval

Special Zone or Reviews	Zoning Appeal	Historic Preservation
___ Shoreland	___ Variance	✓ Not in Dist or Landmark
___ Wetlands	___ Miscellaneous	___ Does not Require Review
___ Flood Zone	___ Conditional Use	___ Requires Review
___ Subdivision	___ Interpretation	___ Approved
___ Site Plan	___ Approved	___ Approved w/Conditions
___ Maj ___ Min ___ MM	___ Denied	___ Denied
Date: OK 2/28/11 Ann.	Date:	Date: Ann

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

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: 2011-02-483-FAFS **Located At:** 43 BAXTER **CBL:** 112 - - F - 022 - 001 - - - - -

Conditions of Approval:

Fire

The fire alarm system 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 cabinate, 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.

Building

Fire Alarm systems shall be installed per Sec. 907 of the IBC 2009

Fire conditions

The fire alarm system 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.

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PERMIT ISSUED

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

City of Portland

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.**

1.

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 OCCU0PIED.

2/24

Job Summary Report
Job ID: 2011-02-483-FAFS

Job Type:	Fire Alarm / Suppression	**Job Description:**	43 Baxter Fire Alarm	**Job Year:**	2011
Building Job Status Code:	Initiate Plan Review	**Pin Value:**	731	**Tenant Name:**	
Job Application Date:		**Public Building Flag:**	N	**Tenant Number:**	
Estimated Value:	3,000	**Square Footage:**			
Related Parties:		STREET CHABOT		*Property Owner*	
		Protection One - Lawrence Foley		*FIRE ALARM INSTALLER*	

Job Charges

Fee Code Description	Charge Amount	Permit Charge Adjustment	Net Charge Amount	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Net Payment Amount	Outstanding Balance
Job Valuation Fees	$50.00		$50.00						$50.00

Location ID: 16000

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
F24410	112 F 022 001		M				-70.270247	43.663883

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				43 BAXTER BOULEVARD SOUTH

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
OFFICE & BUSINESS SERVICE		BUSINESS COMMUNITY					DISTRCIT 4	OAKDALE

Structure Details

Structure: 43 Baxter Blvd

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Office & Professional Buildings	0			43 BAXTER BOULEVARD SOUTH

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference

User Defined Property	Value
Air Conditon Central	0
Air Condtion Window	0
Alarms Commercial	0
Alarms Commercial	1

User Defined Property	Value
Alarms Residential	0
Alterations	0
Appliances	0
Bidets	0
Bidets	1
Circus or Carnival	0
Compactors	0
Cook Tops	0
Dishwasher	0
Disposals	0
Dryers	0
E Generators	0
Electric Units	0
EMS	0
Exterior Oil Gas Units	0
Fans	0
Fire Repairs	0
Fixtures-Fluorescent	0
Fixtures-Fluorescent	20
Fixtures-Incandescent	0
Fixtures-Incandescent	100
Fixtures-Strips	0
Heating	0
Heavy Duty Circut	0
HVAC	0
Insta Hot	0
Interior Oil Gas Units	0
Meters	0
Motors	0
Motors	1
Number of Baths	15
Number of Bathtubs and Showers	0
Number of Clothes Washers	0

User Defined Property	Value
Number of Dishwashers	0
Number of Dishwashers	1
Number of Drinking Fountains	0
Number of Drinking Fountains	1
Number of Floor Drains	1
Number of Floor Drains	5
Number of Indirect Waste	6
Number of Laundry Tubs	1
Number of Showers (standalone)	1
Number of Sinks	1
Number of Sinks	4
Number of Sinks	5
Number of Sinks	12
Number of Wash Basins	3
Number of Wash Basins	5
Number of Water Closets	2
Number of Water Closets	3
Number of Water Heater	1
Other Appliances	0
Other Fixtures	1
Outlets	0
Outlets	100
Panels - Main	0
Panels - Remote	0
Panels - Remote	1
Panels - Service	0
Pool	0
Ranges	0
Receptacles	0
Receptacles	20
Receptacles	100
Service Overhead over 800	0
Services Overhead under 800	0

User Defined Property	Value
Services Overhead under 800	1
Services Underground over 800	0
Services Underground under 800	0
Signs	0
Smoke Detectors	0
Spa	0
State ID	1111
State ID	111111
State ID	PL NA
Switches	0
Switches	100
Temp Service Overhead	0
Temp Services Underground	0
Thermostat	0
Transformer 0 to 25	0
Transformer 25 to 200 KVA	0
Transformer Over 200 KVA	0
Transformer Over 200 KVA	1
Wall Ovens	0
Washing Machine	0
Water Heaters	0

Structure: commercial / Electric

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Office & Professional Buildings	0			43 BAXTER BOULEVARD SOUTH

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference

User Defined Property	Value
Air Conditon Central	0
Air Condtion Window	0
Alarms Commercial	0
Alarms Commercial	1
Alarms Residential	0

User Defined Property	Value
Number of Dishwashers	1
Number of Drinking Fountains	0
Number of Drinking Fountains	1
Number of Floor Drains	1
Number of Floor Drains	5
Number of Indirect Waste	6
Number of Laundry Tubs	1
Number of Showers (standalone)	1
Number of Sinks	1
Number of Sinks	4
Number of Sinks	5
Number of Sinks	12
Number of Wash Basins	3
Number of Wash Basins	5
Number of Water Closets	2
Number of Water Closets	3
Number of Water Heater	1
Other Appliances	0
Other Fixtures	1
Outlets	0
Outlets	100
Panels - Main	0
Panels - Remote	0
Panels - Remote	1
Panels - Service	0
Pool	0
Ranges	0
Receptacles	0
Receptacles	20
Receptacles	100
Service Overhead over 800	0
Services Overhead under 800	0
Services Overhead under 800	1

User Defined Property	Value
Services Underground over 800	0
Services Underground under 800	0
Signs	0
Smoke Detectors	0
Spa	0
State ID	1111
State ID	111111
State ID	PL NA
Switches	0
Switches	100
Temp Service Overhead	0
Temp Services Underground	0
Thermostat	0
Transformer 0 to 25	0
Transformer 25 to 200 KVA	0
Transformer Over 200 KVA	0
Transformer Over 200 KVA	1
Wall Ovens	0
Washing Machine	0
Water Heaters	0

Permit #: 20111540

Permit Data

Location Id	Structure Description	Permit Status	Permit Description	Issue Date	Reissue Date	Expiration Date
16000	43 Baxter Blvd	Initialized	Annunciator-front lobby FACP- Sprinkler Room			

Inspection Details

Inspection Id	Inspection Type	Inspection Result Status	Inspection Status Date	Scheduled Start Timestamp	Result Status Date	Final Inspection Flag

Fees Details

Fee Code Description	Charge Amount	Permit Charge Adjustment	Permit Charge Adj Remark	Payment Date	Receipt Number	Payment Amount	Payment Adjustment Amount	Payment Adj Comment

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: 43 Baxter Blvd CBL: _____

Exact location: (within structure) Annunciator - front lobby; FACP - sprinkler room

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

Building owner: Chabott St. LLC

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

Designer phone: 207-332-1204 E-mail: kevininman@protection1.com

Installing contractor: Protection One Certificate of Fitness No: 1003

Contractor phone: 207-210-8848 E-mail: jocampbell@protectionone.com

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

Amendment to an existing permit: YES (•) NO ( ) Permit no: 2010-12-184-FAFS

The following documents shall be provided with this application:

- [✓] Floor plans
- [ ] Wiring diagram
- [✓] Annunciator details
- [✓] Input/ Output Matrix
- [✓] Equipment data sheets
- [✓] Electrical Permit Pulled (check alarm/com)
- [✓] Scope of Work
- [✓] 11 ½ x 17s
- [✓] pdf copy (may be e-mailed)
- [✓] Designer qualifications
- [✓] Battery/ voltage drop calcs

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

COST OF WORK: $2,700.00

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

RECEIVED
FEB 24 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 ½ 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: William Bunker for KEVIN INMAN Date: 2/24/11

Honeywell

VISTA-128FBP/V128FBP-24

COMMERCIAL FIRE AND PARTITIONED
BURGLARY ALARM PLATFORM

Existing

To meet UL approval for ANSI/SIA CP-01-2000 order part number VISTA-128SIA

Designed to integrate seamlessly with CCTV, access control and Honeywell's full range of fire and burglary components, the new VISTA-128FBP provides the ultimate protection of life and property. The UL listed Commercial Fire and Burglary Control Platform controls up to eight partitions and supports up to 128 zones/points using hardwired, wireless and V-Plex addressable technologies. A diverse line of Honeywell initiating devices, notification circuits, digital dialers, keypads, RF receivers and relays are supported by this extremely powerful control platform. The VISTA-128FBP has been designed to mount quickly and easily in an attack resistant cabinet, and is available in 12V and 24V models. A revolutionary new feature called Panel Linking allows multiple partitions, panels—even buildings—to be armed, disarmed and have status checked all from one location.

FEATURES

- Eight hardwired zones standard, expandable to 120 V-Plex addressable points/zones or 128 wireless points/zones
- Can control eight separate areas independently (8 partitions)
- Supports Panel-Linking allows up to 8 systems or building to be controlled from one central location (using VA8200)
- Supports Commercial UL Wireless Fire and Burg
- Stores up to 512 events and can accommodate 150 user codes
- Supports V-Plex addressable VistaKey access control (1 to 8 doors)
- Supports up to 16 doors of access control using VISTA Gateway Module (VGM)*
- Supports CCTV applications with the new VistaView-100 CCTV Switcher Module
- Identifies the point or zone of a fire or alarm using the new FSA-8/FSA-24 Fire System Annunciator
- Programmable to meet SIA false alarm prevention specifications and UL approval for ANSI/SIA CP-01-2000 order part number VISTA-128SIA
- Two on-board notification (bell) circuits delivering 2 3 amp @ 12V or 3.4 amp @ 24V
- Automatic smoke detector sensitivity maintenance testing
- 4-wire smoke reset using onboard J2 output trigger
- Supports Dynamic Signaling for LRR backup
- Supports Remote Control via the Internet**
- Supports Internet Alarm Reporting**
- Supports Graphical User Interface Consoles
- Supports up to 250 access card holders using VistaKey
- Supports AlphaNumeric Pager up to eight different numbers using the VA8201

* *Connects to Northern Computers PassPoint Access Control Systems. Maximum 32 doors.*

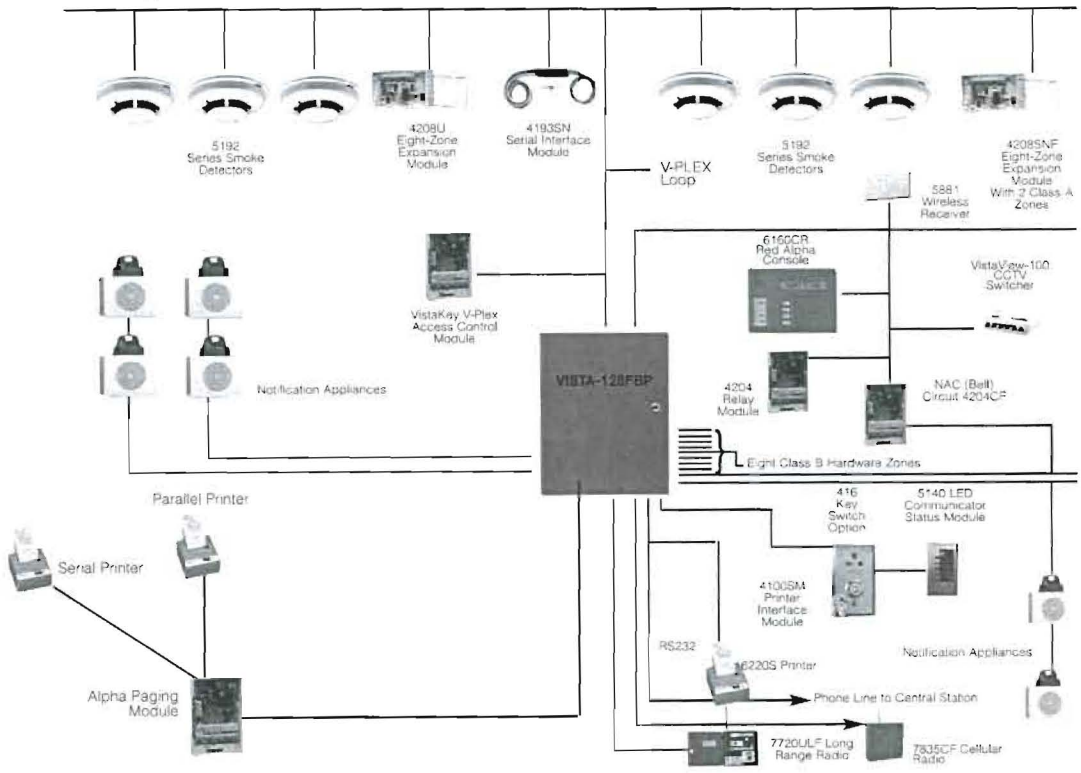
** *When used with AlarmNet-I.*

VISTA-128FBP/ V128FBP-24

COMMERCIAL FIRE AND PARTITIONED BURGLARY ALARM PLATFORM

ADDITIONAL FEATURES

- Notification Appliance Circuits (two):
  - Programmable
  - Temporal code compliant
  - Individually silenceable
- Programmable on-board auxiliary relay
- SIA false alarm reduction features:
  - Exit error logic
  - Exit delay reset
  - Cross zoning
  - Call waiting defeat
  - Recent close report
- Supports commercial hardwired, addressable V-Plex polling loop and wireless zones
- Hardwired zones
  - Provides eight style B hardwired zones
  - EOLR supervised for Fire and UL burglary installations
  - Supports N.O or N.C sensors
  - Individually assignable to any eight partitions
  - Up to 32 two-wire smoke detectors each on zone one and two (64 total)
  - Up to 50 two-wire glass break detectors on zone eight
- Patented addressable V-Plex polling loop technology
  - Supports 120 two-wire zones points
  - Global polling technology for faster processing
  - Increased current draw capacity (128mA)
  - Supervised by panel
  - Individually assignable to partitions, notification circuit (bell) output or aux relay
  - 4,000 ft. capability without the use of shielded cable
  - Extender/Isolation bus module
  - Two-wire smoke detector zone/group expansion module adds two or four zones
  - Eight zone – Class A and B extender module
  - Eight zone – Class B extender module
  - One zone supervised contact monitor module
- UL Listed wireless expansion
  - Supports up to 128 wireless zones/points using 5881ENHC receiver
  - Supervised by control for check-in signals
  - Tamper protection for transmitters
  - Individually assignable up to eight partitions
  - Supports UL864/NFPA approved wireless smoke detectors
- Access Control integration
  - Full integration with PassPoint Access Control System Complete Gateway interface of VISTA and access functions
- Up to 8 doors using VistaKey V-Plex Access Control
- Event reporting
- Local printer of access or VISTA related event
- Scheduled uploading of events to central station
- Stored events for one call retrieval
- Communication
  - Phone mapping by zone response type
  - Supports VIP interactive phone voice module
  - Panel operation during download
  - Uploading equipment list to central station
  - Communication to PassPoint via VISTA Gateway Module
- CCTV integration
  - Supports VistaView-100 ECP based CCTV switchers



SPECIFICATIONS

Applications

The VISTA-128FBP control is well suited for a variety of applications as an integrated fire and burglary control. A diverse line of ADEMCO initiating devices supports this extremely powerful control. Some of the applications supported are: medical and professional buildings, churches or synagogues, office buildings, schools, strip malls, larger residences and factory or warehouse environments.

Installation

The VISTA-128FBP alarm system has been designed to mount both quickly and easily. It meets all applicable requirements for UL commercial fire and burglary installations

Specifications Electrical

- Primary power: 18VAC @ 72VA Honeywell No. 1451
- Control panel quiescent current draw: 350mA
- Backup battery:
  - 12VDC, 12AH min to 34.4AH max
  - Lead acid battery (gel type)
- Alarm power: 12VDC, 1.7A max for each notification (bell) circuit output Total 2.3amps @ 12V
- Aux. standby pwr: 12VDC, 1Amax
- Total power: 2.3A at 12VDC, 3.4A at 24VDC from all sources
- Standby time: 24 hours with 1A standby load using 34.4AH battery
- Fusing: Battery input, aux. and notification (bell) circuit outputs are protected using PTC circuit protectors. All outputs are power limited.
- Optional 24-volt power supply, PS 24 Supplies two 24 VFW, 1.7A full wave rectified, unfiltered outputsMain Dialer:
- Line seize: Double Pole
- Ringer equiv.: 0.7B
- Formats: ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, Sescoa and Radionics
- Dual phone line capability (using 5140DLM module)

Cabinet dimensions

- 18"H X 14.5"W X 4.3"D

Environmental

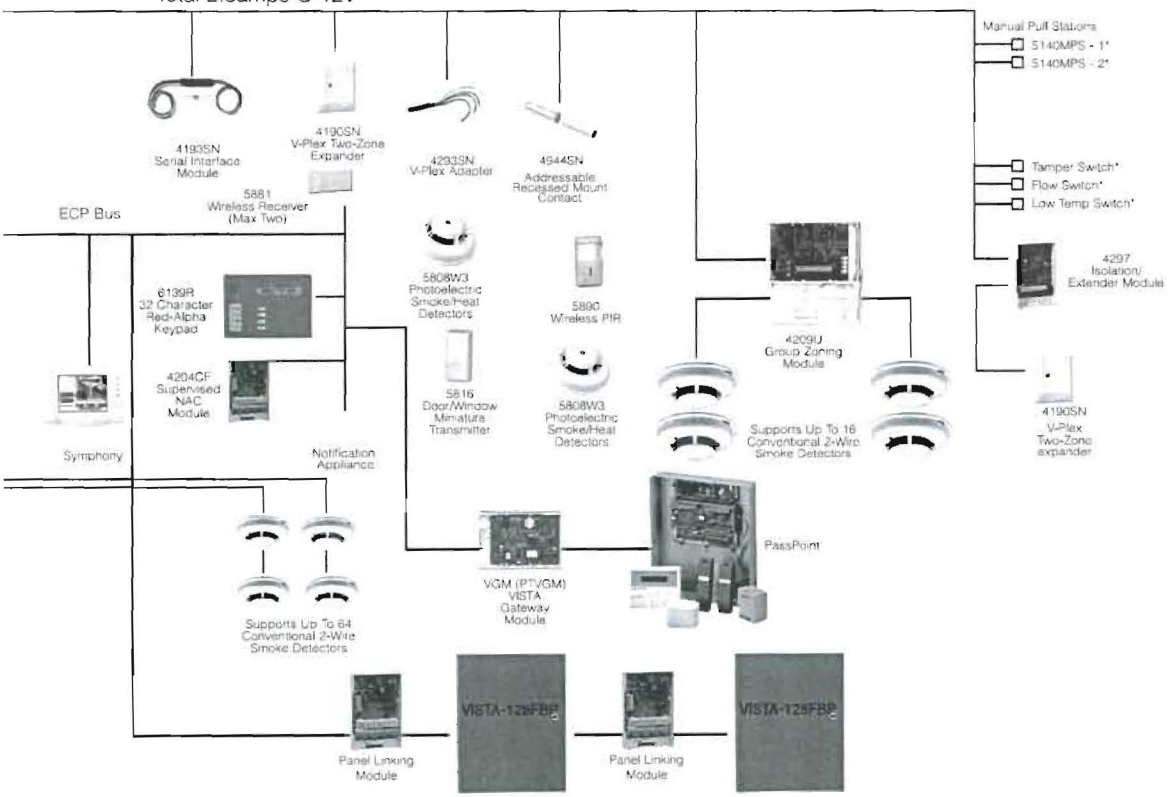
- Storage temp: 14°F to 158°F (-10°C to 70°C)
- Operating temp: 32°F to 122°F (0°C to 50°C)
- Humidity: 85% RH
- EMI: Meets or exceeds the following requirements:
  - FCC Part 15, Class B Device
  - FCC Part 68
  - IEC EMC Directive

Agency Listings Burglary

- UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault
- UL611/1610 Grades A, AA, Central Station
- UL365 Grades A, AA Police Connect

Fire

- UL864/NFPA72 Local, Central Station and Remote Station
- Factory Mutual
- California State Fire Marshal
- MEA
- UL985



VISTA-128FBP/V128FBP-24

COMMERCIAL FIRE AND PARTITIONED BURGLARY ALARM PLATFORM

SPECIFICATIONS

Auxiliary Devices
- 6160CR – Red Alpha Keypad
- 6139R – Red Alpha Keypad/Annunciator
- FSA-8 & FSA-24 annunciator modules
- 4204 – Relay Module, four form C contacts
- 4204CF – Two supervised output circuits
- 5881 Series – RF receiver supporting 5800 wireless detectors
- 6220S – System printer used with 4100SM serial module

Two-wire smoke detectors conventional
- 2100 Series Photoelectric
- 2400 Series Photoelectric
- 1100 Series Ionization

Four-wire smoke detectors conventional
- 2112/24 Series Photoelectric
- 1412 Series Ionization

Horn/Strobes
- System Sensor Notification Appliances

Manual Pull Stations
- 5140MPS-1
- 5140MPS-2

V-Plex (addressable) Devices
- 4208U Loop Expansion Module – eight zones
- 4101SN Single Relay/Zone Module
- 4208SNF Class A/B Expander Module
- 4209U Group Zoning Module – two/four zones
- 4190SN Remote Point Module – two zones
- 4193SN Two Zone Serial Interface Module
- 4293SN One Zone Serial Interface Module
- 4297 Isolation/Extender Module

V-Plex (addressable) Smoke Detectors:
- 5192SD • 4192SD • 4192CP
- 5192SDT • 4192SDT • 4192CPM
- 4192SDTM

V-Plex Passive Infrared Detectors
- 998MX
- 4275EX-SN
- 4278EX-SN

V-Plex (addressable) Contacts
- 4939SN-WH
- 4944SN-WH
- 4959SN

V-Plex Glassbreak Detectors:
- 9500SN

VISTA interactive phone module
- 4286 Voice Module

Optional 24V Power Supply
- PS24 – 24V power supply – 3 4A Long Range Radio:
- Long Range Radio 7720ULF-XX, 7835C, 7835CF, 7845C

Upgraded software
- Upgraded Compass Downloader Windows compatible

Wireless Devices
- 5804BDV – Bi-directional with voice
- 5804BD – Bi-directional Key
- 5804Watch – Wireless Key & sports watch combined
- 5816 – Door/Window Transmitter
- 5804 – Wireless key
- 5827BD – Bi-directional Keypad
- 5890 – PIR
- 5849 – Glassbreak Detector
- 5819 – Shock Sensor

Commercial Wireless Devices
- 5808W3 – Photoelectric Smoke/Heat Detector
- 5809 – Wireless Heat Detector
- 5817CB – Wireless Commercial Transmitter
- 5869 – Hold-Up Transmitter
- 5881ENHC – Commercial Fire/Burg Receiver

Access Control
- VistaKey V-Plex (addressable) Access Control
- VistaKey-SK Starter Kit
- VistaKey-EX Expansion Kit
- VGM Vista Gateway Module to PassPoint Access Control (Northern Computers)

CCTV
- VistaView-100 CCTV Switcher or Module

Alarm Communications
- Graphical user interface with Internet capability
- Internet Remote Control-Networking Module
- Internet Alarm Communicator (7845i)
- 7845GSM – Digital Cellular Communicator
- 7845i-GSM – Internet and Digital Cellular Communicator

Paging
- VA8201 AlphaNumeric Pager

ORDERING

VISTA-128FBP	Commercial Fire and Partitioned Burglary Alarm Platform 12V Model
V128FBP-24	Commercial Fire and Partitioned Burglary Alarm Platform 24V Model

Honeywell Security & Custom Electronics
Honeywell
2 Corporate Drive
Melville, NY 11747
Tel: 800.467.5875
www.honeywell.com

Honeywell

L/V128FBP/D
March 2007

K0904V1 2/06 Rev. A

Honeywell

existing

ADEMCO 6160RF
Keypad/Transceiver

User Guide

KEYPAD DISPLAYS AND LEDS

The 6160RF has the following features:

- Large backlit, 2-line, 32-character alphanumeric LCD.
- 16 large telephone-style backlit keys located behind a decorative door that swings down to provide access to the keys.
- System numerals, imprinted in large type on the keys for easy identification. System functions appear below the keys on the keypad.

The following table shows the LEDs and their functions:

LED	Function
ARMED (Red)	Lights when the system is armed in any mode.
READY (Green)	Lights when the system is ready to be armed (no zone faults are present).

FUNCTION KEYS AND LABELS

The function keys are continuously backlit for ease in use. *(Check the User's Guide that accompanies the control panel for detailed instructions on the use of these keys.)*

Function Keys - The function keys include keys for panic alarm activation. The panic alarms are activated by pressing key pairs [1] & [*], [3] & [#], or [*] & [#], or a Special Function Key.

Whether these panic keys function and the type of panic alarms they produce is determined by the control panel's capability and programming. *(Check with your installer for the availability and type of alarm of these panic keys.)*

Special Function Keys - These are the four keys located to the left of the numeric keys (see *below*). The keys may be programmed by your installer for panic alarms or other special functions such as single-button arming *(Check with your installer to see which options are available with your system.)*

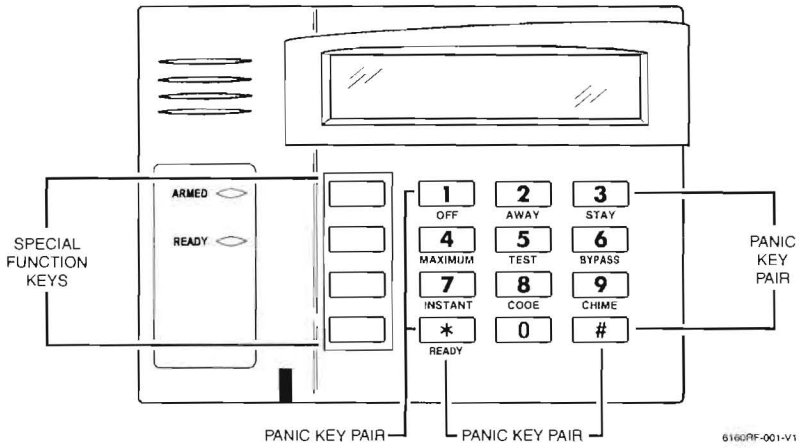
Special function keys and function key pairs must be held down for at least 2 seconds to activate an alarm.

A set of adhesive labels with typical panic symbols is provided. Place the appropriate label in the indented area on each key, so that the user can easily identify each key's function.

SOUNDER

The built-in speaker has the following functions:

- Produces warning sounds during alarm and trouble conditions, and also during entry/exit delay periods. Provides acknowledgment tones when keys are pressed, and confirmation tones for successful command entries.



6160RF Keypad/Transceiver (front door removed)

TROUBLESHOOTING

The error messages listed in the following table cause the keypad to produce a single ding tone. The table describes the error messages and the corrective actions.

Display	Corrective Action
Low Bat (with Zone No.)	1. Replace the battery if the wireless transmitter has a replaceable battery. 2. Replace the transmitter if the wireless transmitter does not have a replaceable battery.
Open Ckt	Contact your Installer.
Check 100	Contact your Installer.

K0904V1 2/06 Rev. A

Honeywell

165 Eileen Way, Syosset, New York 11791

www.honeywell.com/security

SYSTEM SENSOR

Selectable Output Horns, Strobes, and Horn/Strobes

SpectrAlert® Advance selectable-output horns, strobes, and horn/strobes are rich with features guaranteed to cut installation times and maximize profits.

SPECTRAlert ADVANCE from System Sensor

Features

- Electrically compatible with existing SpectrAlert products
- Automatic selection of 12- or 24-volt operation at 15 and 15/75 candela
- Plug-in design
- Field selectable candela settings on wall and ceiling units: 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185
- Same mounting plate for wall- and ceiling-mount units
- Shorting spring on mounting plate for continuity check before installation
- Tamper resistant construction
- Outdoor wall and ceiling products rated from –40°F to 151°F
- Design allows minimal intrusion into the back box
- Horn rated at 88+ dbA at 16 volts
- Rotary switch for horn tone and three volume selections
- Outdoor products UL listed to UL 1638 (strobe) and UL 464 (horn) outdoor requirements
- Outdoor products NEMA 4X rated
- Compatible with MDL sync module

Agency Listings

SIGNALING UL LISTED S4011 S5512 S3593

FM APPROVED 3023572

MEA approved VEA452-05-E

7125-1653.186 (indoor strobes)
7300-1653.187 (outdoor strobes)
7125-1653.188 (horn/strobes, chime/strobes)
7135-1653.189 (horns, chimes)

The SpectrAlert Advance series of notification appliances is designed to simplify installations, with features such as plug in designs, instant feedback messages to ensure correct installation of individual devices, and 11 field-selectable candela settings for wall and ceiling strobes and horn/strobes.

When installing Advance products, first attach a universal mounting plate to a four-inch square, four-inch octagon or double-gang junction box. The two-wire mounting plate attaches to a single-gang junction box.

Next, connect the notification appliance circuit wiring to the SEMS terminals on the mounting plate.

Finally, attach the horn, strobe or horn/strobe to the mounting plate by inserting the product's tabs in the mounting plate's grooves. The device will rotate into position, locking the product's pins into the mounting plate's terminals. The device will temporarily hold in place with a catch until it is secured with a captured mounting screw.

The SpectrAlert Advance series includes outdoor notification appliances. Outdoor strobes and horn/strobes (two wire and four wire) are available for wall or ceiling. Outdoor horns are available for wall only. All System Sensor outdoor products are rated between minus 40 degrees Fahrenheit and 151 degrees Fahrenheit in wet or dry applications.

SpectrAlert Advance Specifications

Architect/Engineer Specifications

General

SpectrAlert Advance horns, strobes and horn/strobes shall mount to a standard 4 x 4 x 1½-inch back box, 4-inch octagon back box or double-gang back box. Two-wire products shall also mount to a single-gang 2 x 4 x 1⅞-inch back box. A universal mounting plate shall be used for mounting ceiling and wall products. The notification appliance circuit wiring shall terminate at the universal mounting plate. Also, SpectrAlert Advance products, when used with the Sync-Circuit™ Module accessory, shall be powered from a non-coded notification appliance circuit output and shall operate on a nominal 12 or 24 volts. When used with the Sync-Circuit Module, 12-volt rated notification appliance circuit outputs shall operate between nine and 17.5 volts; 24-volt rated notification appliance circuit outputs shall operate between 17 and 33 volts. Indoor SpectrAlert Advance products shall operate between 32 and 120 degrees Fahrenheit from a regulated DC, or full-wave rectified, unfiltered power supply. Strobes and horn/strobes shall have field-selectable candela settings including 15, 15/75, 30, 75, 95, 110, 115, 135, 150, 177, 185.

Strobe

The strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and shall 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

The horn/strobe shall be a System Sensor SpectrAlert Advance Model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. The 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 three audibility options and an option to switch between a temporal three-pattern and a non-temporal (continuous) pattern. These options are set by a multiple position switch. On four-wire products, the strobe shall be powered independently of the sounder. The horn on horn/strobe models shall operate on a coded or non-coded power supply.

Outdoor Products

SpectrAlert Advance outdoor horns, strobes and horn/strobes shall be listed for outdoor use by UL and shall operate between minus 40 degrees and 151 degrees Fahrenheit. The products shall be listed for use with a System Sensor outdoor/weatherproof back box with half inch and three-fourths inch conduit entries.

Synchronization Module

The module shall be a System Sensor Sync-Circuit model MDL listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1Hz and horns at temporal three. Also, while operating the strobes, the module shall silence the horns on horn/strobe models over a single pair of wires. The module shall mount to a 4⅛ x 4⅛ x 2⅛-inch back box. The module shall also control two Style Y (class B) circuits or one Style Z (class A) circuit. The module shall synchronize multiple zones. Daisy chaining two or more synchronization modules together will synchronize all the zones they control. The module shall not operate on a coded power supply.

Physical/Electrical Specifications

Standard Operating Temperature	32°F to 120°F (0°C to 49°C)
K Series Operating Temperature	–40°F to 151°F (–40°C to 66°C)
Humidity Range	10 to 93% non-condensing (indoor products)
Strobe Flash Rate	1 flash per second
Nominal Voltage	Regulated 12DC/FWR or regulated 24DC/FWR[1]
Operating Voltage Range[2]	8 to 17.5 V (12V nominal) or 16 to 33 V (24 nominal)
Input terminal wire gauge	12 to 18 AWG
Ceiling mount dimensions (including lens)	6.8" diameter x 2.5" high (173 mm diameter x 64 mm high)
Wall mount dimensions (including lens)	5.6"L x 4.7"W x 2.5"D (142 mm L x 119 mm W x 64 mm D)
Horn dimensions	5.6"L x 4.7"W x 1.3"D (142 mm L x 119 mm W x 33 mm D)
Wall-mount back box skirt dimensions (BBS-2, BBSW-2)	5.9"L x 5.0"W x 2.2"D (151 mm L x 128 mm W x 56 mm D)
Ceiling-mount back box skirt dimensions (BBSC-2, BBSCW-2)	7.1" diameter x 2.25" high (180 mm diameter x 57 mm high)
Wall-mount weatherproof back box dimensions (SA-WBB)	5.7"L x 5.1"W x 2.0"D (145 mm L x 130 mm W x 51 mm D)
Ceiling-mount weatherproof back box dimensions (SA-WBBC)	7.1" diameter x 2.0" high (180 mm diameter x 51 mm high)
Wall-mount trim ring dimensions (TR-HS, TRW-HS)	5.7"L x 4.812"W x 0.35"D (146 mm L x 122 W mm x 9 D mm)
Ceiling-mount trim ring dimensions (TRC-HS, TRCW-HS)	6.9" diameter x 0.35 high (176 mm diameter x 9 mm high)

Notes:

1. Full Wave Rectified (FWR) voltage is a non-regulated, time varying power source that is used on some power supply and panel outputs.
2. P, S, PC, and SC products will operate at 12 V nominal only for 15 and 15/75 cd.

UL Current Draw Data

UL Max. Strobe Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
	Candela	DC	FWR	DC	FWR
Standard Candela Range	15*	123	128	66	71
	15/75*	142	148	77	81
	30*	NA	NA	94	96
	75*	NA	NA	158	153
	95*	NA	NA	181	176
	110	NA	NA	202	195
	115	NA	NA	210	205
High Candela Range	135	NA	NA	228	207
	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Horn Current Draw (mA RMS)

		8–17.5 Volts		16–33 Volts	
Sound Pattern	dB	DC	FWR	DC	FWR
Temporal	High	57	55	69	75
Temporal	Medium	44	49	58	69
Temporal	Low	38	44	44	48
Non-temporal	High	57	56	69	75
Non-temporal	Medium	42	50	60	69
Non-temporal	Low	41	44	50	50
Coded	High	57	55	69	75
Coded	Medium	44	51	56	69
Coded	Low	40	46	52	50

UL Max. Current Draw (mA RMS), 2-wire Horn/Strobe, Standard Candela Range (15–115 cd)

	8–17.5 Volts		16–33 Volts						
DC Input	15	15/75	15	15/75	30	75	95	110	115
Temporal High	137	147	79	90	107	176	194	212	218
Temporal Medium	132	144	69	80	97	157	182	201	210
Temporal Low	132	143	66	77	93	154	179	198	207
Non-temporal High	141	152	91	100	116	176	201	221	229
Non-temporal Medium	133	145	75	85	102	163	187	207	216
Non-temporal Low	131	144	68	79	96	156	182	201	210
FWR Input									
Temporal High	136	155	88	97	112	168	190	210	218
Temporal Medium	129	152	78	88	103	160	184	202	206
Temporal Low	129	151	76	86	101	160	184	194	201
Non-temporal High	142	161	103	112	126	181	203	221	229
Non-temporal Medium	134	155	85	95	110	166	189	208	216
Non-temporal Low	132	154	80	90	105	161	184	202	211

UL Max. Current Draw (mA RMS), 2-wire Horn/Strobe, High Candela Range (135–185 cd)

	16–33 Volts					16–33 Volts			
DC Input	135	150	177	185	FWR Input	135	150	177	185
Temporal High	245	259	290	297	Temporal High	215	231	258	265
Temporal Medium	235	253	288	297	Temporal Medium	209	224	250	258
Temporal Low	232	251	282	292	Temporal Low	207	221	248	256
Non-temporal High	255	270	303	309	Non-temporal High	233	248	275	281
Non-temporal Medium	242	259	293	299	Non-temporal Medium	219	232	262	267
Non-temporal Low	238	254	291	295	Non-temporal Low	214	229	256	262

Candela Derating

For K series products used at low temperatures, listed candela ratings must be reduced in accordance with this table.

Strobe Output (cd)

Listed Candela	Candela rating at –40°F
15	Do not use below 32°F
15/75	
30	
75	44
95	70
110	110
115	115
135	135
150	150
177	177
185	185

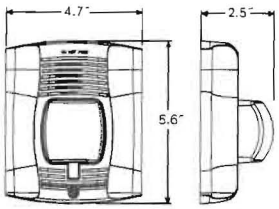
Horn Tones and Sound Output Data

Horn and Horn/Strobe Output (dBA)

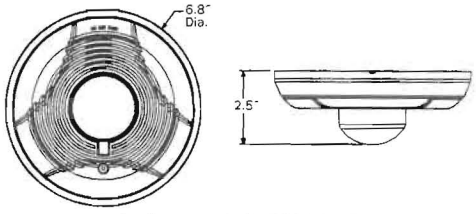
			8–17.5 Volts		16–33 Volts		24 Volt Nominal Reverberant		Anechoic	
Switch Position	Sound Pattern	dB	DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	83	80	94	89
4	Non-temporal	High	82	82	88	88	93	92	100	100
5	Non-temporal	Medium	78	78	85	85	90	90	98	98
6	Non-temporal	Low	75	75	81	81	88	84	96	92
7†	Coded	High	82	82	88	88	93	92	101	101
8†	Coded	Medium	78	78	85	85	90	90	97	98
9†	Coded	Low	75	75	81	81	88	85	96	92

†Settings 7, 8, and 9 are not available on 2-wire horn/strobe.

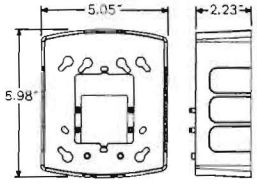
SpectrAlert Advance Dimensions



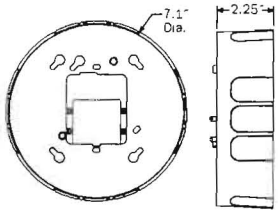
Wall-mount horn/strobes



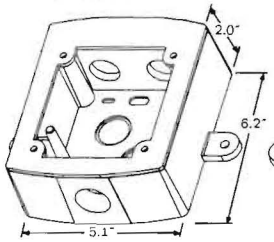
Ceiling-mount horn/strobes



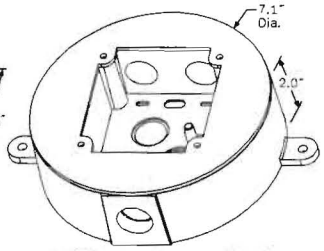
Wall back box skirt



Ceiling back box skirt



Wall weatherproof back box



Ceiling weatherproof back box

SpectrAlert Advance Ordering Information

Model	Description
Wall Horn/Strobes	
P2R*†	2-wire Horn/Strobe, Standard cd‡, Red
P2RH*	2-wire Horn/Strobe, High cd, Red
P2RK*¤	2-wire Horn/Strobe, Standard cd, Red, Outdoor
P2RHK¤	2-wire Horn/Strobe, High cd, Red, Outdoor
P2W*	2-wire Horn/Strobe, Standard cd, White
P2WH*	2-wire Horn/Strobe, High cd, White
P4R*	4-wire Horn/Strobe, Standard cd, Red
P4RH*	4-wire Horn/Strobe, High cd, Red
P4RK¤	4-wire Horn/Strobe, Standard cd, Red, Outdoor
P4RHK¤	4-wire Horn/Strobe, High cd, Red, Outdoor
P4W*	4-wire Horn/Strobe, Standard cd, White
P4WH*	4-wire Horn/Strobe, High cd, White
Wall Strobes	
SR*†	Strobe, Standard cd, Red
SRH*†	Strobe, High cd, Red
SRK¤	Strobe, Standard cd, Red, Outdoor
SRHK	Strobe, High cd, Red, Outdoor
SW*	Strobe, Standard cd, White
SWH*	Strobe, High cd, White
Ceiling Horn/Strobes	
PC2R*	2-wire Horn/Strobe, Standard cd, Red
PC2RH*	2-wire Horn/Strobe, High cd, Red
PC2RK¤	2-wire Horn/Strobe, Standard cd, Red, Outdoor
PC2RHK¤	2-wire Horn/Strobe, High cd, Red, Outdoor
PC2W*†	2-wire Horn/Strobe, Standard cd, White
PC2WH*†	2-wire Horn/Strobe, High cd, White
PC4R	4-wire Horn/Strobe, Standard cd, Red
PC4RH	4-wire Horn/Strobe, High cd, Red
PC4RK	4-wire Horn/Strobe, Standard cd, Red, Outdoor
PC4RHK¤	4-wire Horn/Strobe, High cd, Red, Outdoor

Model	Description
Ceiling Horn/Strobes (cont'd.)	
PC4W	4-wire Horn/Strobe, Standard cd, White
PC4WH	4-wire Horn/Strobe, High cd, White
Ceiling Strobes	
SCR*	Strobe, Standard cd, Red
SCRH*	Strobe, High cd, Red
SCRK¤	Strobe, Standard cd, Red, Outdoor
SCRHK¤	Strobe, High cd, Red, Outdoor
SCW*†	Strobe, Standard cd, White
SCWH*†	Strobe, High cd, White
Horns	
HR	Horn, Red
HRK¤	Horn, Red, Outdoor
HW	Horn, White
Accessories	
BBS-2	Back Box Skirt, Wall, Red
BBSW-2	Back Box Skirt, Wall, White
BBSC-2	Back Box Skirt, Ceiling, Red
BBSCW-2	Back Box Skirt, Ceiling, White
TR-HS	Trim Ring, Wall, Red
TRW-HS	Trim Ring, Wall White
TRC-HS	Trim Ring, Ceiling, Red
TRCW-HS	Trim Ring, Ceiling, White

Notes:

* Add "-P" to model number for plain housing (no "FIRE" marking on cover), e.g., P2R-P.

† Add "-SP" to model number for "FUEGO" marking on cover, e.g., P2R-SP.

‡ "Standard cd," refers to strobes that include 15, 15/75, 30, 75, 95, 110, and 115 candela settings. "High cd," refers to strobes that include 135, 150, 177, and 185 candela settings.

All outdoor units ending in "K" include a weatherproof back box.

¤ Add "-R" to model number for weatherproof replacement device (no back box included).

SYSTEM SENSOR

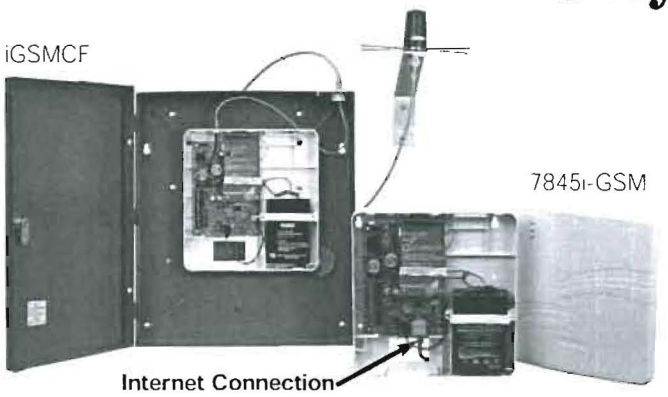
3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

Honeywell

7845i-GSM

INTERNET AND DIGITAL CELLULAR COMMUNICATOR

With Remote Services Capability



G SERVICE

I SERVICE

Honeywell is focused on providing the future of alarm communication solutions for the security industry. Alternative communication methods are critical in the marketplace due to VoIP, migration from POTS and growth of digital radio networks

Honeywell's 7845i-GSM delivers secure, reliable and complementary Internet and digital communications via the GSM (Global System for Mobile) network. Our exclusive, Triple-Path Communications solution combines Internet service with GSM for added reliability and an extra level of security, offering substantial benefits to protect your investment by future-proofing your recurring revenue

Our GSM radio technology is unique in that it uses GPRS service for data and alarm communications and automatically switches to SMS for alarms if GPRS is unavailable. Through the Internet or radio, the 7845i-GSM offers full data reporting and uploading/downloading with most Honeywell control panels. Plus, with zone inputs and optional dialer capture capability we're compatible with other manufacturers' control panels as well.

All signals are delivered to Honeywell's AlarmNet Network Control Center, which routes the information to the appropriate central station. The state of the art AlarmNet Network Control Center is fully redundant and monitored 24/7. AlarmNet has the ability to route messages using AlarmNet-i and 800 PLUS services, providing true redundancy and multi-path message delivery.

FEATURES

- **Universal Control Panel Compatibility** – Flexible modes of operation allow ECP alarm reporting by Honeywell control panels, 4204 relay mode for Honeywell controls (that do not support ECP alarm reporting) and zone triggering for use with other control panels.
- **Dialer Capture Ready** – Compatible with Dialer Capture Intelligence Device DCID (for LYNX) or DCID-EXT (other control panels). Captures Contact ID messages from the panel's phone line and sends them to the central station via the GSM radio
- **Six Input Zones** – Each zone can be configured for +V, -V, or EOLR triggering. Each zone can be programmed for inverted operation, delayed reporting and restoral reporting. Zone 1 can distinguish between pulsed and steady inputs.
- **Full Contact ID or ADEMCO High-Speed Reporting** – ECP mode with compatible Honeywell control panels support full Contact ID reporting. All other modes use ADEMCO High-Speed reporting format.
- **Tamper Protected Enclosure** – Built-in tamper sends a report when a tamper condition is detected and a restore when cleared
- **Built-In Power Supply** – On board charging circuit design accommodates back-up battery. Includes primary power and battery supervision.
- **Back-Up Battery** – 6V 3 1Ah supplied to deliver up to 24 hours of standby operation.
- **256-bit AES Encryption** – Advanced Encryption Standard used for secure communications.
- **Triple-Path Technology** – Provides three paths of communication using Internet, GPRS (General Packet Radio Service), and SMS (Short Message Service). Uses Internet as primary with dual GSM technology as back-up. GSM path utilizes GPRS and automatically switches to SMS if GPRS is unavailable.
- **Upload/Download** – With select Honeywell control panels using Internet and optionally GPRS. Requires Compass version 1.5.8.54a or higher.
- **Dynamic Signaling with Certain Honeywell Control Panels** – Provides management of control panel dialer and digital cellular communicator. Programmable priority and delays determine signal path.
- **Diagnostic LEDs** – Provide signal strength and status indications
- **QOS** – Quality of Service diagnostics via AlarmNet supply vital information including when message was received, battery voltage, input voltage, signal strength, and message path.
- **Web-Based Programming** – Allows complete interactive programming from AlarmNet Direct. https://services.alarmnet.com/AlarmnetDirect
- **Intelligent Supervision** – Any message generated serves as a supervision message per optional 24 hour or 30 day intervals. This feature effectively limits required messages to be sent
- **Remote Services Capability*** – Optional Total Connect value-added web-based or SMS system control as well as e-mail notification of system events

*Service subscription required

7845i-GSM

INTERNET AND DIGITAL CELLULAR COMMUNICATOR

ACCESSORIES

7720P Programmer	K14139 Battery (Included)	1332 Transformer (1332CN for Canada) (Included)	DCID Dialer Capture Intelligence Device (For non-ECP LYNX controls)	DCID-EXT Dialer Capture Intelligence Device (For non-ECP capable control panels)
				

Communication Devices	Description	Testing Agency	Commercial Standards								Residential Standards	
			UL 365 Police Connected Burglar Alarm Commercial Burglar	UL 609 Local Burglar Alarm Systems	UL 1610 Central Station Burglar Alarm Commercial Burglar	UL 1635 Digital Alarm Communications Commercial Burglar	NIST National Institute of Standards and Technology	UL 864 Rev. 9 Standalone*	UL 864 Rev. 9 Primary/ Backup**	California State Fire Marshal (CSFM)	UL 1023 Household Burglar Alarm	UL 985 Household Fire
7845i-GSM iGSMCF	Internet/GSM Cellular Communication Module	UL/ETL	✓	✓ (ETL Only)	✓	✓ (UL Only)	✓	✓ (ETL Only)	✓ (ETL Only)	✓	✓ (UL Only)	✓ (UL Only)

*Standalone listing does not require a separate listed DACT.
**Primary/backup listing requires use of a listed DACT.

Communication Devices	Description	Testing Agency	Canadian Standards				
			ULC-S303-M91 Local Burglar Alarm	ULC-S304-06 Central and Monitoring Station Burglar Alarm	ULC-S545-02 Residential Fire Warning System	ULC Subject C1023-74 Household Burglar	ULC-S559-04
7845i-GSMCN iGSMCN	Internet/GSM Cellular Communication Module	cUL/ULC	✓	✓	✓	✓	✓ (iGSMCN Only)

SPECIFICATIONS

Power

- Input Operating Voltages: 10.5–14.3VDC or 9–16.5VAC, transformer included
- Backup Battery: 6V 3.1A (24 hrs. standby)
- Current Requirements:
  - 60mA standby
  - 400mA during transmission
- Transmission Power:
  - 850 MHz – 1 Watt
  - 1900 MHz – 2 Watts

Mechanical

- Dimensions: 8" H x 7.5" W x 1.86" D
- Operating Temperature: -22° F to 140° F (-30° C to 60° C)
- Humidity: 0% – 90% non-condensing

Agency Listings

- UL365 – Police Station Connected Burglar Alarm Units and Systems
- UL1610 – Central Station Burglar Alarm Units
- UL1635 – Digital Alarm Communicator System Units
- UL985 – Household Fire Warning System Units
- UL864 – Control Units for Fire Protection Signaling Systems
- CAN/ULC-S303-M91 (First Edition) – Local Burglar Alarm Units and Systems
- CAN/ULC-S304-M88 (First Edition) – Central and Monitoring Station Burglar Alarm Units
- CAN/ULC Subject C1023-1974 (First Edition) – Household Burglar Alarm System Units
- CAN/ULC-S545-02 (Second Edition) – Residential Fire Warning System Control Units
- CSFM

ORDERING

7845i-GSM	Internet and Digital Cellular Communicator with Remote Services Capability
7845i-GSMG	California Compliant Internet and Digital Cellular Communicator with Remote Services Capability
iGSMCF	Standalone Commercial Fire Communications Kit
iGSMCN	Internet and Digital Cellular Communicator for Canada with Remote Services Capability

Automation and Control Solutions
Honeywell Security & Communications
2 Corporate Center Dr. Suite 100
P.O. Box 9040
Melville, NY 11747

www.honeywell.com

Honeywell

L/7845GSMI/D
February 2009

SYSTEM SENSOR

Photoelectric Smoke Detectors

System Sensor's i³™ series smoke detectors represent significant advancement in conventional detection. The i³ family is founded on three principles: installation ease, intelligence, and instant inspection.

existing

Features

- Plug-in detector line, mounting base included
- Large wire entry port
- In-line terminals with SEMS screws
- Mounts to octagonal and single-gang backboxes, 4-square backboxes, or direct to ceiling
- Stop-Drop 'N Lock attachment to base
- Removable detector cover and chamber
- Built-in remote maintenance signaling
- Drift compensation and smoothing algorithms
- Simplified sensitivity measurement
- Wide angle, dual color LED indication
- Loop testing via EZ Walk feature
- Built-in test switch

Installation ease. The i³ line redefines installation ease with its plug-in design. This allows an installer to pre-wire the bases included with the heads. The large wire entry port and in-line terminals provide ample room for neatly routing the wiring inside the base. The base accommodates a variety of back box mounting methods, as well as direct mounting with drywall anchors. To complete the installation, i³ heads plug in to the base with a simple Stop-Drop 'N Lock™ action.

Intelligence. i³ detectors offer a number of intelligent features to simplify testing and maintenance. Drift compensation and smoothing algorithms are standard with the i³ line to minimize nuisance alarms. Two-wire i³ detectors needing cleaning can generate a remote maintenance signal, when connected to the 2W-MOD2 loop test/maintenance module, or to a panel equipped with the i³ protocol. This signal is indicated by LEDs located at the module and the panel. The SENS-RDR, a wireless device, displays the sensitivityof i³ detectors in terms of percent per-foot-obscuration.

Instant inspection. The i³ series provides wide-angle red and green LED indicators for instant inspection of the detector's condition: normal standby, out-of-sensitivity, alarm, or freeze trouble When connected to the 2W-MOD2 loop test/maintenance module or a panel with the i³ protocol, the EZ Walk loop test feature is available on two-wire i³ detectors. This feature verifies the initiating loop wiring by providing LED status indication at each detector.

Agency Listings

UL LISTED S911 | FM APPROVED 3011446 | 7272-1209:210 | MEA approved 290-01-E | MSFM approved 2093

i³ Smoke Detector Specifications

Architectural/Engineering Specifications

Smoke detector shall be a System Sensor i³ Series model number_____, listed to Underwriters Laboratories UL 268 for Fire Protection Signaling Systems. The detector shall be a photoelectric type (Model 2W-B, 4W-B) or a combination photoelectric/thermal (Model 2WT-B, 4WT-B) with thermal sensor rated at 135°F (57.2°C). The detector shall include a mounting base for mounting to 3½-inch and 4-inch octagonal, single gang, and 4-inch square back boxes with a plaster ring, or direct mount to the ceiling using drywall anchors. Wiring connections shall be made by means of SEMS screws. The detector shall allow pre-wiring of the base and the head shall be a plug-in type. The detector shall have a nominal sensitivity of 2.5 percent-per-foot nominal as measured in the UL smoke box. The detector shall be capable of automatically adjusting its sensitivity by means of drift compensation and smoothing algorithms. The detector shall provide dual color LED indication which blinks to indicate power up, normal standby, out of sensitivity, alarm, and freeze trouble (Model 2WT-B, 4WT-B) conditions. When used in conjunction with the 2W-MOD2 module, 2-wire models shall include a maintenance signal to indicate the need for maintenance at the alarm control panel, and shall provide a loop testing capability to verify the circuit without testing each detector individually.

Electrical Specifications	
Operating Voltage	Nominal: 12/24V non-polarized Minimum: 8.5V Maximum: 35V
Maximum Ripple Voltage	30% peak to peak of applied voltage
Standby Current	2-wire: 50 μA maximum average; 4-wire: 50 μA maximum average
Maximum Alarm Current	2-wire: 130 mA limited by control panel; 4-wire: 20 mA @12V, 23mA @ 24V
Peak Standby Current	2-wire: 100 μA; 4-wire: n/a
Alarm Contact Ratings	2-wire: n/a; 4-wire: 0.5 A @ 30V AC/DC

Physical Specifications	
Dimensions (including base)	5.3 inches (127 mm) diameter; 2.0 inches (51 mm) height
Weight	6.3 oz. (178 grams)
Operating Temperature Range	2W-B and 4W-B: 32°F–120°F (0°C–49°C); 2WT-B and 4WT-B: 32°F–100°F (0°C–37.8°C)
Operating Humidity Range	0 to 95% RH non-condensing
Thermal Sensor	135°F (57.2°C) fixed
Freeze Trouble	2WT-B and 4WT-B only: 41°F (5°C)
Sensitivity	2.5%/ft. nominal
Input Terminals	14–22 AWG
Mounting	3½-inch octagonal back box 4-inch octagonal back box Single gang back box 4-inch square back box with a plaster ring Direct mount to ceiling

LED Modes			**Power Up Sequence for LED Indication**	
LED Mode	Green LED	Red LED	Condition	Duration
Power up	Blink every 10 seconds	Blink every 10 seconds	Initial LED status indication	80 seconds
Normal (standby)	Blink every 5 seconds	off		
Out of sensitivity	off	Blink every 5 seconds		
Freeze trouble	off	Blink every 10 seconds		
Alarm	off	Solid		

Ordering Information

Model	Thermal	Wiring	Alarm Current
2W-B	No	2-wire	130 mA max. limited by control panel
2WT-B	Yes	2-wire	130 mA max. limited by control panel
4W-B	No	4-wire	20 mA @ 12V, 23mA @ 24V
4WT-B	Yes	4-wire	20 mA @ 12V, 23mA @ 24V

Accessories			
2W-MOD2	2-wire loop test / maintenance module	RT	Removal / replacement tool
SENS-RDR	Sensitivity reader	A77-AB2	Retrofit adapter bracket, 6.6 in. (16.76cm) diameter

SYSTEM SENSOR

3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

Protection One Branch 11660

10 Manual Drive, Portland, ME 04103 PH# 1-800-310-5011

System Outputs: Control Unit Annunciation | Notification | Safety Control | Supplementary

System Inputs	Actuate common alarm signal indicator	Actuate audible alarm system	Actuate common supervisory signal indicator	Actuate audible supervisory signal	Actuate common trouble signal indicator	Actuate audible common alarm signal indicator				Actuate BSMT flooor evacuation signals	Actuate 1st flooor evacuation signals	Actuate 2nd flooor evacuation signals		Transmit fire alarm signal to supervising station	Transmit supervisory signal to supervising station	Transmit trouble signal to supervising station	Actuate Elevator recall
Pull Stations 1st flr	X	X								X	X	X		X			
Pull Stations 2nd flr	X	X								X	X	X		X			
FACP AC Loss					X	X										X	
FACP Low Battery					X	X										X	
FACP Ground Fault					X	X										X	
Phone Line #1 Fail					X	X										X	
Phone Line #2 Fail					X	X										X	
Smoke Detectors 1st flr	X	X								X	X	X		X			X
Smoke Detectors 2nd flr	X	X								X	X	X		X			X

Chabot St. LLC
43 Baxter Blvd
Portland, Me

HOME AND BUSINESS
Protection One
SECURITY

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Your World Is Worth Protecting®

Scope of Work

Chabott St. LLC
43 Baxter Blvd
Portland, Me

Phase 2 of Fire Alarm installation:

Add Audio/Visual devices to the back section of the building that is being remodeled. This is the First and Second floors to the rear of the Main Lobby where the existing Annunciator is located.
The FACP is existing in this building. This FACP used a code at the annunciator so a Lexan Keyed cover has been installed. A Fire Alarm Document box has been installed. Knox box is existing to this building.

Initiating devices are existing and to NFPA72.

10 Manuel Drive, Portland, ME 04103 Phone: 207-772-1171 Fax: 207-772-7355

SYSTEM SENSOR

Premises:
Chabott St LLC
43 Baxter Blvd
Portland, me 04101

Prepared By:
Kevin Inman
Protection One
10 Manuel Dr
Portland, ME 04103
2073321204

Circuit:
Class B @ 14 AWG
Filtered (DC) 24-volt Supply (2 amp circuit)
Starting Voltage = 20.4

Notes:

Type and Model	Candela	Current	Next	Total	12	14	16	18
Ceiling Horn/Strobe PC2430	30	0.128	25	25	20.28	20.21	20.09	19.91
Ceiling Horn/Strobe PC2430	30	0.128	25	50	20.17	20.03	19.81	19.47
Ceiling Horn/Strobe PC2430	30	0.128	25	75	20.07	19.88	19.57	19.08
Ceiling Horn/Strobe PC2430	30	0.128	25	100	19.99	19.75	19.36	18.75
Ceiling Horn/Strobe PC2430	30	0.128	25	125	19.92	19.63	19.18	18.46
Ceiling Horn/Strobe PC2430	30	0.128	25	150	19.86	19.54	19.03	18.23
Ceiling Horn/Strobe PC2430	30	0.128	25	175	19.81	19.47	18.92	18.05
Ceiling Horn/Strobe PC2430	30	0.128	25	200	19.78	19.42	18.84	17.92
Ceiling Strobe SC2415	15	0.064	50	250	19.74	19.36	18.74	17.76
Ceiling Strobe SC2415	15	0.064	50	300	19.72	19.32	18.68	17.66
Ceiling Strobe SC2415	15	0.064	50	350	19.71	19.30	18.64	17.61
Total current/amps 1.216				**vdc loss**	**0.69**	**1.10**	**1.76**	**2.79**

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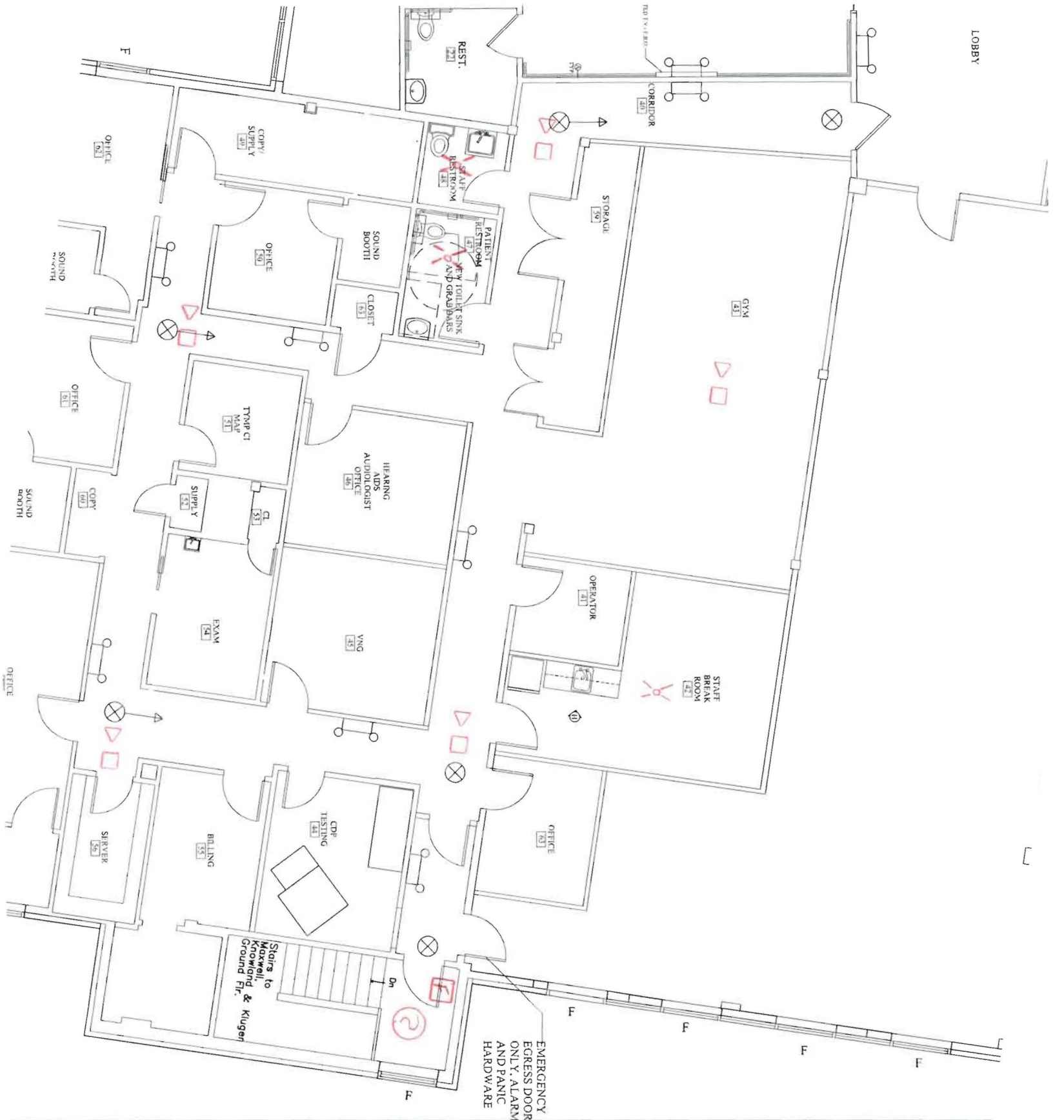
Circuit:
Class B @ 14 AWG
Filtered (DC) 24-volt Supply (2 amp circuit)
Starting Voltage = 20.4

Notes:

Type and Model	Candela	Current	Next	Total	12	14	16	18
Ceiling Horn/Strobe PC2430	30	0.128	20	20	20.33	20.29	20.22	20.11
Ceiling Horn/Strobe PC2430	30	0.128	20	40	20.27	20.19	20.06	19.86
Ceiling Horn/Strobe PC2430	30	0.128	20	60	20.21	20.10	19.93	19.65
Ceiling Horn/Strobe PC2430	30	0.128	20	80	20.17	20.04	19.82	19.48
Ceiling Horn/Strobe PC2430	30	0.128	20	100	20.14	19.99	19.75	19.36
Ceiling Horn/Strobe PC2430	30	0.128	20	120	20.12	19.96	19.69	19.28
Ceiling Strobe SCR	15	0.066	24	144	20.11	19.94	19.66	19.22
Ceiling Strobe SCR	15	0.066	24	168	20.10	19.93	19.64	19.20
Total current/amps 0.9				**vdc loss**	**0.30**	**0.47**	**0.76**	**1.20**

8th, 2011	Scale 1/4" = 1'-0"	Revisions:	Project: 43 BAXTER BLVD. PORTLAND, MAINE	ARCHETYPE, P.A. ARCHITECTS 48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056	OWNER: CHABOT ST. LLC 100 Silver Street Portland, Maine 04101
ell Kluger and Makaretz First Floor Plan					



18th, 2011 Scale 1/4" = 1'-0"	Revisions:	Project:	ARCHETYPE, P.A. ARCHITECTS	OWNER:	
ell Kluger and Makaretz Second Floor Plan		43 BAXTER BLVD. PORTLAND, MAINE	48 Union Wharf Portland, Maine 04101 (207) 772-6022 Fax (207) 772-4056	CHABOT ST. LLC 100 Silver Street Portland, Maine 04101	