



DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING

PERMIT

This is to certify that STREET LLC CHABOT

Located At 43 BAXTER

Job ID: 2010-12-184-FAES

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

has permission to Install fire alarm

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 procured prior to occupancy.

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

PERMIT ISSUED

JAN 18 2011

City of Portland

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

389 Congress Street, 04101

Tel: (207) 874-8703, FAX: (207) 8716

Job No:
2010-12-184-FAFSApplicatin Date:
12/29/2010CBL:
112 - - F - 022 - 001 - -
- - -

Location of Construction: 43 BAXTER	Owner Name: STREET LLC CHABOT	Owner Address: 100 SILVER ST PORTLAND, ME - MAINE 04101		Phone:
Business Name:	Contractor Name: MONITORIN, PROTECTION ONE ALARM	Contractor Address: 10 MANUEL DR PORTLAND ME 04103 PORTLANDMAINE04103		Phone:
Lessee/Buyer's Name:	Phone:	Permit Type:		Zone: B-2
Past Use: Professional Offices	Proposed Use: Same - Professional Offices	Permit Fee:	Cost of Work:	CEO District:
Proposed Project Description: Install Fire Alarm				
Permit Taken By:	Date Applied For: 12/29/10			


PERMIT ISSUED

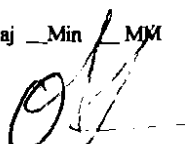
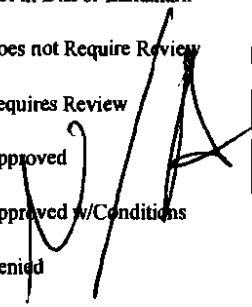
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389 Congress Street, 04101 Tel: (207) 874-8703, FAX: (207) 8716

Job No: 2010-12-184-FAFS	Date Applied: 12/29/2010	CBL: 112 - F - 022 - 001 - - - - -	
Location of Construction: 43 BAXTER	Owner Name: STREET LLC CHABOT	Owner Address: 100 SILVER ST PORTLAND, ME - MAINE 04101	Phone:
Business Name:	Contractor Name: MONITORIN, PROTECTION ONE ALARM	Contractor Address: 10 MANUEL DR PORTLANDMAINE04103	Phone:
Lessee/Buyer's Name:	Phone:	Permit Type: FIRE ALARM - Fire Alarm	Zone:
Past Use:	Proposed Use:	Cost of Work: 1000.000000	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type: Alarm
		Signature:	Signature: 
Proposed Project Description: 43 Baxter Blvd Fire Alarm		Pedestrian Activities District (P.A.D.)	
Permit Taken By:		Zoning Approval	

<p>1. This permit application does not preclude the Applicant(s) from meeting applicable State and Federal Rules.</p> <p>2. Building Permits do not include plumbing, septic or electrical work.</p> <p>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.</p>	<p>Special Zone or Reviews</p> <p><input type="checkbox"/> Shoreland</p> <p><input type="checkbox"/> Wetlands</p> <p><input type="checkbox"/> Flood Zone</p> <p><input type="checkbox"/> Subdivision</p> <p><input type="checkbox"/> Site Plan</p> <p><input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM</p> <p>Date: </p>	<p>Zoning Appeal</p> <p><input type="checkbox"/> Variance</p> <p><input type="checkbox"/> Miscellaneous</p> <p><input type="checkbox"/> Conditional Use</p> <p><input type="checkbox"/> Interpretation</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Denied</p> <p>Date:</p>	<p>Historic Preservation</p> <p><input type="checkbox"/> Not in Dist or Landmark</p> <p><input type="checkbox"/> Does not Require Review</p> <p><input type="checkbox"/> Requires Review</p> <p><input type="checkbox"/> Approved</p> <p><input type="checkbox"/> Approved w/Conditions</p> <p><input type="checkbox"/> Denied</p> <p>Date: </p>
	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	PHON

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 12/21/10
Permit # _____
CBL# 112-F22

LOCATION: 43 BAXTER BLVD METER MAKE & # _____
CMP ACCOUNT # _____ OWNER MERCY HOSPITAL
TENANT MERCY HOSPITAL PHONE # (207) 773-3625

					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	
	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 55.00 55.00

RECEIVED
DEC 29
Dept. of Building Inspection
City of Portland, Maine

CONTRACTORS NAME LAWRENCE J FOLEY JR MASTER LIC. # MC 60018702
ADDRESS 10 MANUEL DR. PORTLAND, ME 04103 LIMITED LIC. # _____
TELEPHONE (207) 347-5316

SIGNATURE OF CONTRACTOR W J Foley Jr

43 Baylen Blvd - Zoning Conditions

1. This property shall remain professional offices. Any change of use shall require a separate permit application for review and approval.



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: 112-F-22

Exact location: (within structure) Lobby

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

Building owner: Chabot St. LLC

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

Designer phone: 207-347-5318 E-mail: kevininman@protection1.com

Installing contractor: Protection One Certificate of Fitness No: 1003

Contractor phone: 207-347-5322 E-mail: jocampbell@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:

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

COST OF WORK: \$1000

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

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

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: [Signature] Date: 12-28-10



www.ProtectionOne.com

Your World Is Worth Protecting

Scope of Work
Chabot St., LLC
43 Baxter Blvd
2nd floor remodel only

This scope of work is for the Remodel of the new Mercy space at 43 Baxter Blvd Second floor front.

The FACP is existing and we are only adding devices for this space only.

Area to be covered is outlined in the prints. It does not cover the entire 2nd floor as only a portion is being remodeled.

The new elevator is in and this scope does not cover the work for that as it was not done by us.

We will be adding 1 pull station at the top of the stairs leading from the side of the building. This is not the lobby space which is already finished.

We will also be adding a Smoke Detector at the top of these stairs. We are adding Strobes in all rest rooms, staff lounge, and hallways. We are adding Horn/Strobes to hallways for coverage to meet code.

This space is receiving a sprinkler system which will be tied in but not by this permit. That will be on another permit.

Kevin Inman
Protection One
207-332-1204

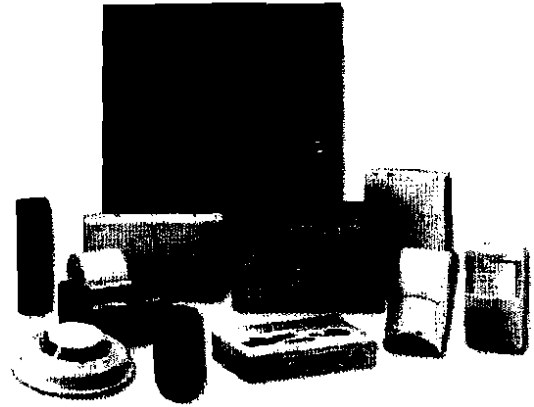
VISTA-128FBP/V128FBP-24

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.

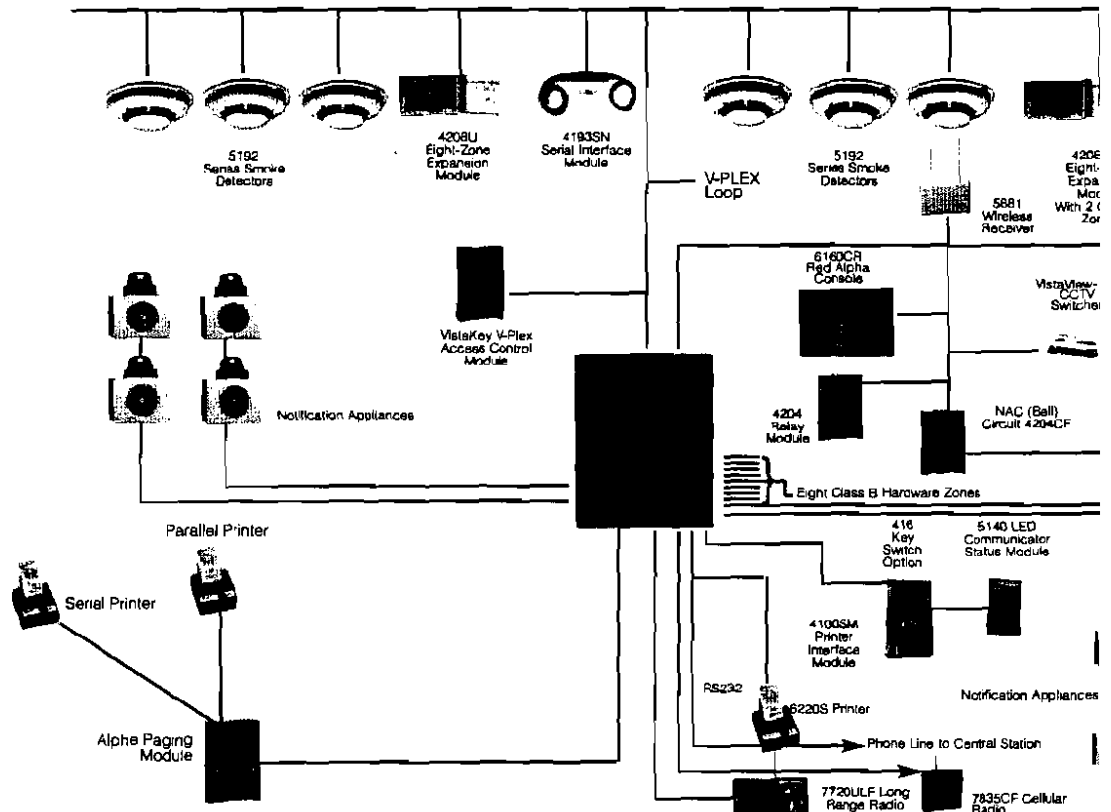
** When used with AlarmNet-i.

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 switches



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 outputs Main 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

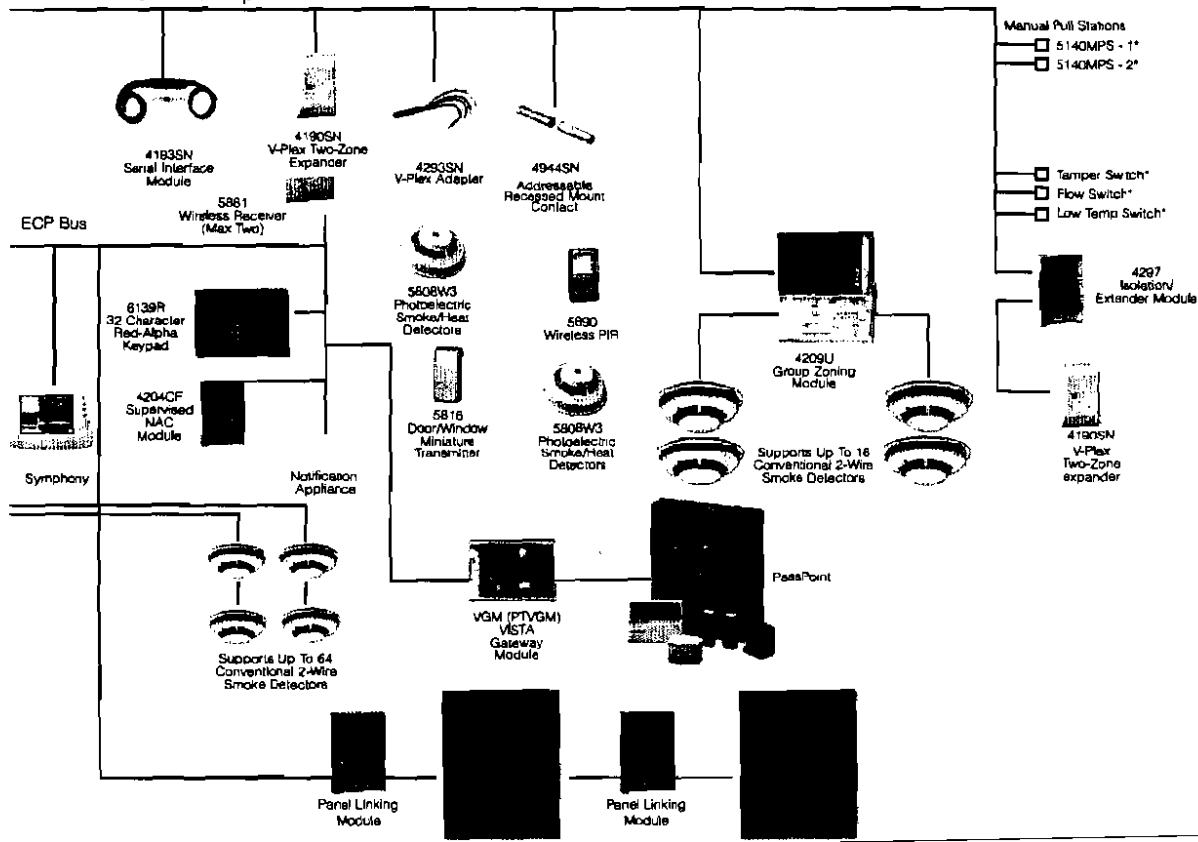
- Storage temp: 14°F to 158°F (-10°C to 70°C)
- Operating temp: 32°F to 122°F (0°C to 50°C)
- Humidity: 85% RH
- EMI: Meets or exceeds the following requirements:
 - FCC Part 15, Class B Device
 - FCC Part 68
 - IEC EMC Directive

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
V128FBP-24

Commercial Fire and Partitioned Burglary Alarm Platform 12V Model
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

LV128FBP/D
March 2007
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Honeywell



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
A 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



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 4½ x 4½ x 2½-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 4.8 W x 0.35 D (146 mm L x 122 mm W x 9 mm D)
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)					
	Candela	8-17.5 Volts		16-33 Volts	
		DC	FWR	DC	FWR
Standard	15*	123	128	66	71
Candela Range	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	135	NA	NA	228	207
Candela Range	150	NA	NA	246	220
	177	NA	NA	281	251
	185	NA	NA	286	258

UL Max. Horn Current Draw (mA RMS)					
Sound Pattern	dB	8-17.5 Volts		16-33 Volts	
		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)

DC Input	8-17.5 Volts			16-33 Volts			95	110	115
	15	15/75	15	15/75	30	75			
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)

DC Input	16-33 Volts				FWR Input	16-33 Volts			
	135	150	177	185		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.

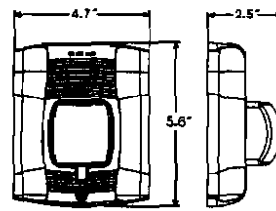
Strobe Output (cd)	
Listed Candela	Candela rating at -40°F
15	Do not use below 32°F
15/75	
30	
75	
95	
110	
115	115
135	135
150	150
177	177
185	185

Horn Tones and Sound Output Data

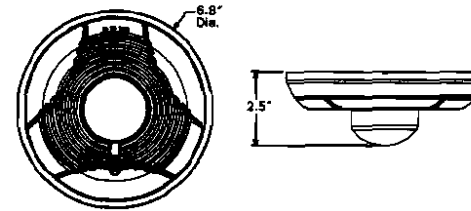
Horn and Horn/Strobe Output (dBA)										
Switch Position	Sound Pattern	dB	8-17.5 Volts		16-33 Volts		24 Volt Nominal			
			DC	FWR	DC	FWR	Reverberant		Anechoic	
			DC	FWR	DC	FWR	DC	FWR	DC	FWR
1	Temporal	High	78	78	84	84	88	88	99	98
2	Temporal	Medium	74	74	80	80	86	86	96	96
3	Temporal	Low	71	73	76	76	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.

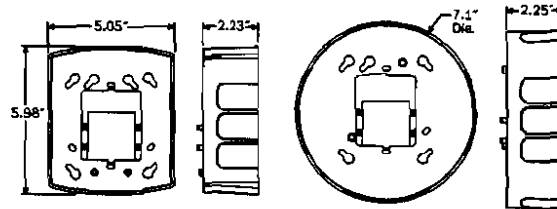
SpectrAlert Advance Dimensions



Wall-mount horn/strobes

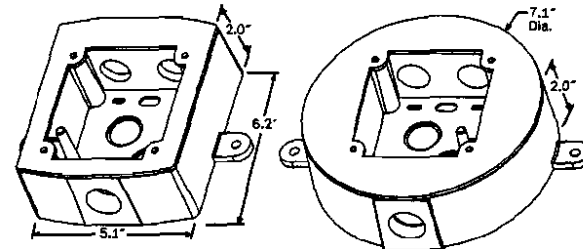


Ceiling-mount horn/strobes



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

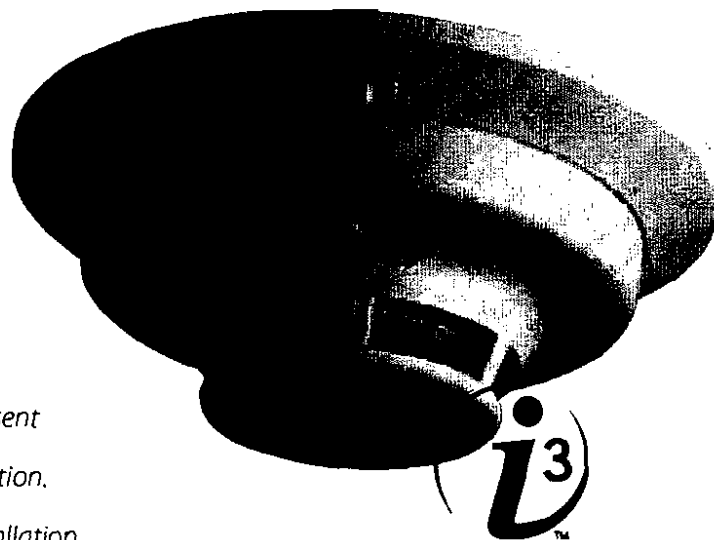
Model	Description
Ceiling Horn/Strobes (cont'd.)	
PC4W*	4-wire Horn/Strobe, Standard cd, White
PC4WH*‡	4-wire Horn/Strobe, High cd, White
Ceiling Strobes	
SCR*†	Strobe, Standard cd, Red
SCRH*‡	Strobe, High cd, Red
SCRK*§	Strobe, Standard cd, Red, Outdoor
SCRHK*§	Strobe, High cd, Red, Outdoor
SCW*†	Strobe, 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).	



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.



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 sensitivity of 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



Smoke Detector Specifications

Architectural/Engineering Specifications

Smoke detector shall be a System Sensor P 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	60 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





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

PRIMARY FEATURES

- ADA COMPLIANT
- KEY TEST OR ALLEN RESET
- KEYED TO ADEMCO CONTROLS
- STYLIZED HIGH TECH DESIGN
- ALUMINUM DIE CAST HOUSING
- TERMINAL BLOCK OR WIRE LEADS
- GOLD CONTACTS
- UL LISTED

■ GENERAL DESCRIPTION

Ademco's manual fire alarm stations are designed to be non-code single action devices for use in UL listed fire alarm applications. The attractive die-cast aluminum-alloy housing meets ADA pull requirements and has been tested at Underwriter's Laboratory.

For ADA compliance, manual stations must be mounted less than 48" above the floor for front wheelchair access and less than 54" above the floor for side wheelchair access.

A key reset feature on the 5140MPS-1 is designed for positive authorized resetting action. The key is designed to operate and match Ademco controls. The 5140MPS-1 utilizes a terminal block for secure terminations. The 5140MPS-2 is furnished with an Allen hex fitting and is equipped with wire leads.

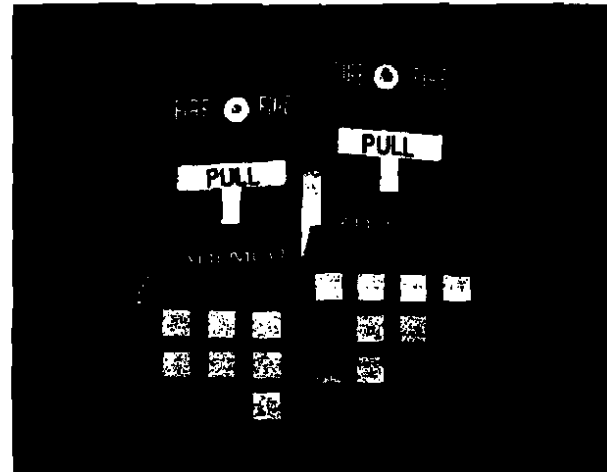
Two alarm deterrent break tubes are supplied with each manual station; one tube is visible from the front, and the spare is stored in a compartment within the unit.

■ OPERATION

Pulling the handle down causes the manual stations to latch in the down position and to close the normally open switch. The handle is restored manually by using the key to unlock the station and pivot the station forward for resetting the pull handle to its normal position. The crush tube is then inserted in the cavity and the station assembly is then locked in the normal upright position.

■ CONSTRUCTION

The 5140MPS-1 and 5140MPS-2 manual stations are constructed of a durable die-cast aluminum-alloy and



provide a neat and distinctive appearance. The housing is finished in red with white raised lettering and the "T-bar" handle is white with raised red lettering for enhanced visibility. The units are adaptable to both surface and semi-flush mounting configurations.

■ MOUNTING

SEMI-FLUSH MOUNT

Most semi-flush mount installations can be attached to a standard single-gang switch box using two 6-32 screws inserted through the slots that are centered on the unit's metal mounting plate.

SURFACE MOUNT

Use Ademco Backbox model number 5140MPS-BB for surface mount installations. The Backbox has four pre-drilled mounting holes of 0.187 inch diameter and conduit knockouts. Secure the Backbox to a wall with screws of size 8 or smaller. After the Backbox is in place, attach the conduit.

The housing is locked by using a key or Allen wrench lock. Unlock the housing by turning the key clockwise and swinging down the front of the housing to make the sheet metal mounting plate accessible. Mount the metal plate to the Backbox using the four 1/4" long, 8-32 screws (supplied).

■ DIMENSIONS

4.75" H x 3.12" W x 2" D

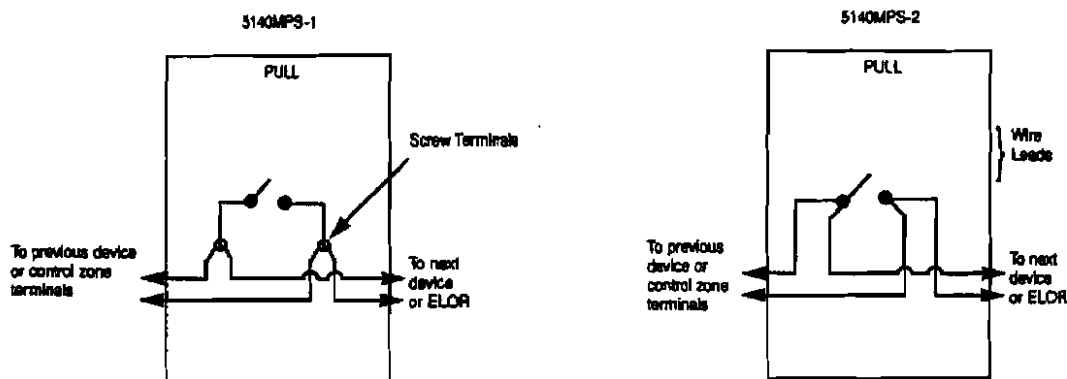
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■ ORDERING INFORMATION

- 5140MPS-1:** Manual Station
Key Reset Test
and Terminal Block
- 5140MPS-2:** Manual Station
Hex Allen Reset
Test and Wire Leads
- 5140MPS-BB:** Surface Backbox

■ WIRING DIAGRAM



ARCHITECTURAL/ENGINEERING SPECIFICATIONS

Manual Fire Alarm Station Model 5140MPS-1 [5140MPS-2] shall be non-coded and include a break-type tube operated test-reset lock allowing testing with a key (Allen wrench). They shall be designed so that normal operation cannot be restored after an actual Fire Emergency Operation except by use of a key (Allen wrench). The key shall fit all standard Ademco controls.

An operated station shall automatically condition itself so as to be visually detected, as operated, at a mini-

mum distance of one hundred feet, front or side. Manual Stations shall be constructed of die cast aluminum alloy with clearly visible operating instructions provided on the cover. The word FIRE shall appear on the front of the stations in raised letters. Stations shall be suitable for surface mounting on matching Backbox or semi-flush mounting on a standard single-gang box. Manual Stations shall be Underwriter's Laboratories Listed.

ADEMCO

The Technology Leader

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

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www.honeywell.com/security

Battery & Power Budget Calculator

-
-
-

Facility Information	
Location:	Chabot St. LLC - 43 Baxter Blvd
Account #:	
Model:	128FB
Engineer:	
Date:	12/28/2010

Enter Standby and Alarm Times	
Battery Standby (hours):	24
Alarm Duration (minutes):	5
9.9	

Battery Contingency Factor
10% ▼

SELECTED PANEL MAXIMUM OUTPUT RATINGS

Select Panel from pulldown list:	Polling Loop (mA)	Standby Auxiliary Power (mA)	Alarm Auxiliary Power (mA)	Panel Standby (mA)	Panel Alarm (mA)	Bell #1 Output (mA)	Bell #2 Output (if used, mA)	Maximum Panel Standby Output	Maximum Panel Alarm Output	Max Battery Supported by Panel
Vista-128FB ▼	128	1000	1700	300	470	1700	1700	1300	2800	34.4
	4	45	170			0	0	49	174	
	124.0	955.0	1530.0			1700.0	1700.0	1251.0	2626.0	
						0.0				0.0

KEYPADS/INTERFACES	Enter Quantity	How many powered externally?							
	0	0				0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
6139/6139R	0	0	40	100		0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
	0	0				0	0	0	0
6180CR	1	0	45	150		45		150	0
6180CR-2	0	0	45	160		0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
	0	0				0		0	0
FSA-8 Fire Zone Annunciator	0	0	35	65		0		0	0
FSA-24 Fire Zone Annunciator	0	0	35	130		0		0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0		0		0	0
Add'l Keypd (Enter # and Currents)	0	0	0	0		0		0	0

2 WIRE & 4 WIRE SMOKE DETECTORS (except Vplex Polling Loop detectors)	Enter Quantity	How many powered externally?							
2 wire smoke detector (zone powered)	0		Two-wire smoke detector current is built into the panel budgets. These fields are included to help you create a complete equipment list. The line below indicates if number of detectors exceeds panel capacity, or if the selected panel does not support 2-wire smoke detectors.						
2 wire smoke detector (zone powered)	0								
2 wire smoke detector (zone powered)	0								
2 wire smoke detector (zone powered)	0								
12V 4 Wire Smoke (Qty & Currents)	1	0	0	20		0	20	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0		0	0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0		0	0	0	0
12V 4 wire Smoke (Qty & Currents)	0	0	0	0		0	0	0	0

MULTI-POWER DEVICES	Enter Quantity	How many powered externally?								
4208U [powered by polling loop]	0	0								
4208U [powered by panel aux power]	0	0								
4208U [powered externally]	0	0								
4208SN [powered by polling loop]	0	0								
4208SN [powered by panel aux power]	0	0								
4208SN [powered externally]	0	0								
4208SNF [powered by polling loop]	0	0								
4208SNF [powered by panel aux power]	0	0								
4208SNF [powered externally]	0	0								
4208SNF (Class B to A Zone Converter)	0	0	40	0	0	0	0	0	0	0
4209U Grouped Zone Mux. Module	0	0								
4209U [powered externally]	0	0								
4297 Polling Loop Extender	0	0								
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0	0	0	0	0	0	0

AUXILIARY POWERED DEVICES	Enter Quantity	How many powered externally?								
PS24 24 volt Power Supply Module	0	0	50	100			0	0	0	0
4100SM (no more than one per system)	0	0	25	0			0	0	0	0
4204: Enter no. of relays used	0	0	40	0			0	0	0	0
4204CF: Enter no. of relays used	0	0	80				0	0	0	0
4285 Voice Module	0	0	160				0	0	0	0
4286 with warning speakers	0	0	220	300			0	0	0	0
5140DLM Backup Dialer Module	0	0	5	15			0	0	0	0
5800RP wireless repeater module	0	0	100				0	0	0	0
5800TM wireless xmtr module	0	0	20				0	0	0	0
5881EN receiver	0	0	60				0	0	0	0
5883 hi-security receiver	0	0	80				0	0	0	0
UVS-QM	0	0	75	110			0	0	0	0
VA8200 Panel Linking Module	0	0	88	0			0	0	0	0
VA8201 Alpha Pager Module	0	0	165	0			0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0			0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0			0	0	0	0

Communicators	Enter Quantity	How many powered externally?								
7845GSM/7845I-GSM	0	0	10				0	0	0	0
7845I/7845I-ENT	0	0	10				0	0	0	0
GSMCF/I/GSMCF Fire Communicator	0	0	10				0	0	0	0
7847I/7847I-E Internet Communicator	0	0	75				0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0			0	0	0	0
Add'l Device (enter quant. & currents)	0	0	0	0			0	0	0	0

PIR Motion Detectors	Enter Quantity	How many powered externally?								
IS215T <input type="checkbox"/> LED Active?	0	0	7				0	0	0	0
IS215TCE	0	0	18				0	0	0	0
IS2280/IS2280T <input type="checkbox"/> LED Active?	0	0	4				0	0	0	0
IS2460	0	0	9				0	0	0	0
IS2500LT	0	0	25				0	0	0	0
IS2535/IS2535T	0	0	20				0	0	0	0
IS2560/IS2560T	0	0	20				0	0	0	0
IS2560TC	0	0	25				0	0	0	0
IS310/IS320 Request to Exit (RTE)	0	0	35				0	0	0	0
997 Ceiling Mount PIR <input type="checkbox"/> LED Active?	0	0	12				0	0	0	0
998 Wall Mount PIR <input type="checkbox"/> LED Active?	0	0	13				0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0

Dual Tech Motion Detectors	Enter Quantity	How many powered externally?								
DT-515	0	0	20	0			0	0	0	0
DT-6100STC	0	0	35	0			0	0	0	0
DT-7235T	0	0	20	0			0	0	0	0
DT-7435/DT-7435C	0	0	30	0			0	0	0	0
DT-7450/DT-7450MIC	0	0	35	0			0	0	0	0
DT-7550	0	0	40	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0
Motion Detctrs (enter quant. & currents)	0	0	0	0			0	0	0	0

	Enter Quantity	How many powered by 4297?							
POLLING LOOP DEVICES									
4101SN Single Output Relay Module	0	0			7	0			
4190SN Two Zone SIM	2	0			2	4			
4190WH	0	0			2	0			
4191SN-WH	0	0			0.5	0			
4192CP	0	0			0.4	0			
4192SD Photoelectric Smoke Det.	0	0			0.4	0			
4192SDT	0	0			0.4	0			
4193SN Two Zone SIM	0	0			1.5	0			
4194 Contact	0	0			1	0			
4196	0	0			1	0			
4209U	0	0			15.5	0			
4275EX Dual PIR <input type="checkbox"/> LED Active?	0	0			1	0			
4275EX-SN Dual PIR <input type="checkbox"/> LED Active?	0	0			1	0			
4278EX-SN <input type="checkbox"/> LED Active?	0	0			1	0			
4293SN	0	0			1	0			
4939SN WH/BR/GY Surf Mt. Cntct.	0	0			1	0			
4944SN Recessed Contact	0	0			1	0			
4945SN-WH	0	0			0.5	0			
4959SN Overhead Door Contact	0	0			0.5	0			
5192SD Smoke Detector	0	0			2.8	0			
5192SDT Smoke Detector with Heat	0	0			2.8	0			
998MX PIR <input type="checkbox"/> LED Active?	0	0			1	0			
IS2500SN PIR <input type="checkbox"/> LED Active?	0	0			1.8	0			
FG-1625SN Glass Break Detector	0	0			1	0			
Quest2260SN <input type="checkbox"/> LED Active?	0	0			6	0			
Vplex-VSI Short Isolator	0	0			5	0			
VistaKey	0	0			2	0			
Add'l VPIex (enter qty & current)	0	0			0	0			
Add'l Vplex (enter qty & current)	0	0			0	0			

12V NOTIFICATION DEVICES ON BELL OUTPUT #1	Enter Quantity	How many powered externally?	Alarm Current (Aux)					
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0

12V NOTIFICATION DEVICES ON BELL OUTPUT #2 (IF USED)	Enter Quantity	How many powered externally?	Alarm Current (Aux)					
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0
Enter device name, quant., & current	0	0	0				0	0

12V AUX POWER AND BELL CIRCUIT WIRE RUN DATA								
Panel Aux Power Wire Run (twin lead)	Feet	<Select Wire Gauge>	0.00	179.00	0	0.00	12.00	0.00
Panel Bell 1 Wire Run (twin lead)	Feet	<Select Wire Gauge>	0.00	0.00	0	0.00	12.00	0.00
Panel Bell 2 Wire Run (twin lead)	Feet	<Select Wire Gauge>	0.00	0.00	0	0.00	12.00	0.00

Battery & Power Budget Calculator

Standby/Alarm Durations (from top)

Battery Standby (hours):	24
Alarm Duration (minutes):	5
	1.216
	7.0

PS24 POWER SUPPLY MODULE, MAXIMUM CAPACITIES

Panel 12V Standby (mA)	Panel 12V Alarm (mA)	Output A Standby (mA)	Output A Alarm (mA)	Output B Standby (mA)	Output B Alarm (mA)	PS24 PC Board (mA)	Maximum Total Standby Output	Maximum Total Alarm Output	Max. Battery Capacity
250	244	570	1700	570	1700	40	610	4180	34.4
0.0	0.0	0	1874	0	0	40	40	1914	
349.0	644.0	570.0	(174.0)	570.0	1700.0		570.0	2266.0	34.4

24V NOTIFICATION APPLIANCES
Enter Device Names & Specifications

Device Name	Quantity	Output A	Output A Alarm	Output B	Output B Alarm	PS24 PC Board	Maximum Total Standby Output	Maximum Total Alarm Output	Max. Battery Capacity
System Sensor Ceiling Horn Strobe	5	Output A	178		0	880	0	0	
System Sensor Ceiling Strobe	7	Output A	0	142	0	994	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	
24V Notification Appliance	0	Output A	0	0	0	0	0	0	

24V BELL CIRCUIT WIRE RUN DATA

Wire Run Description	Feet	Wire Gauge	Output A	Output B	PS24 PC Board	Maximum Total Standby Output	Maximum Total Alarm Output	Max. Battery Capacity
PS24 Output A Wire Run (twin lead)	3.19	#14 AWG Solid	200	1.28	21.61	9.96		
PS24 Output B Wire Run (twin lead)	0.00	<Select Wire Gauge>	0	0.00	24.00	0.00		

Honeywell

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.)



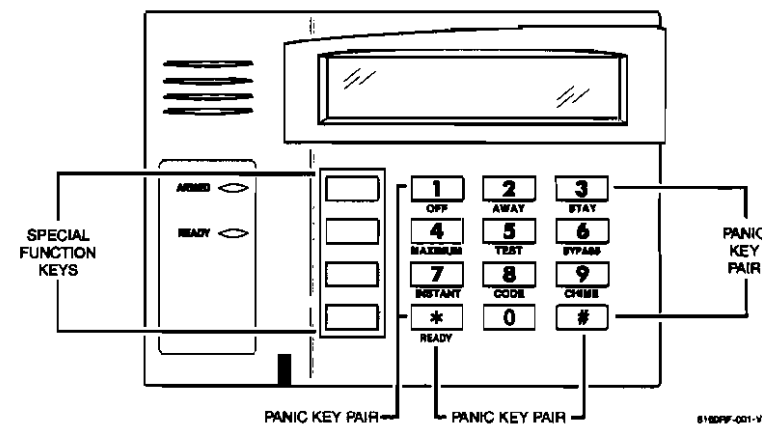
Special function keys and function key pairs must be held down for at least 2 seconds to activate an alarm.

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.

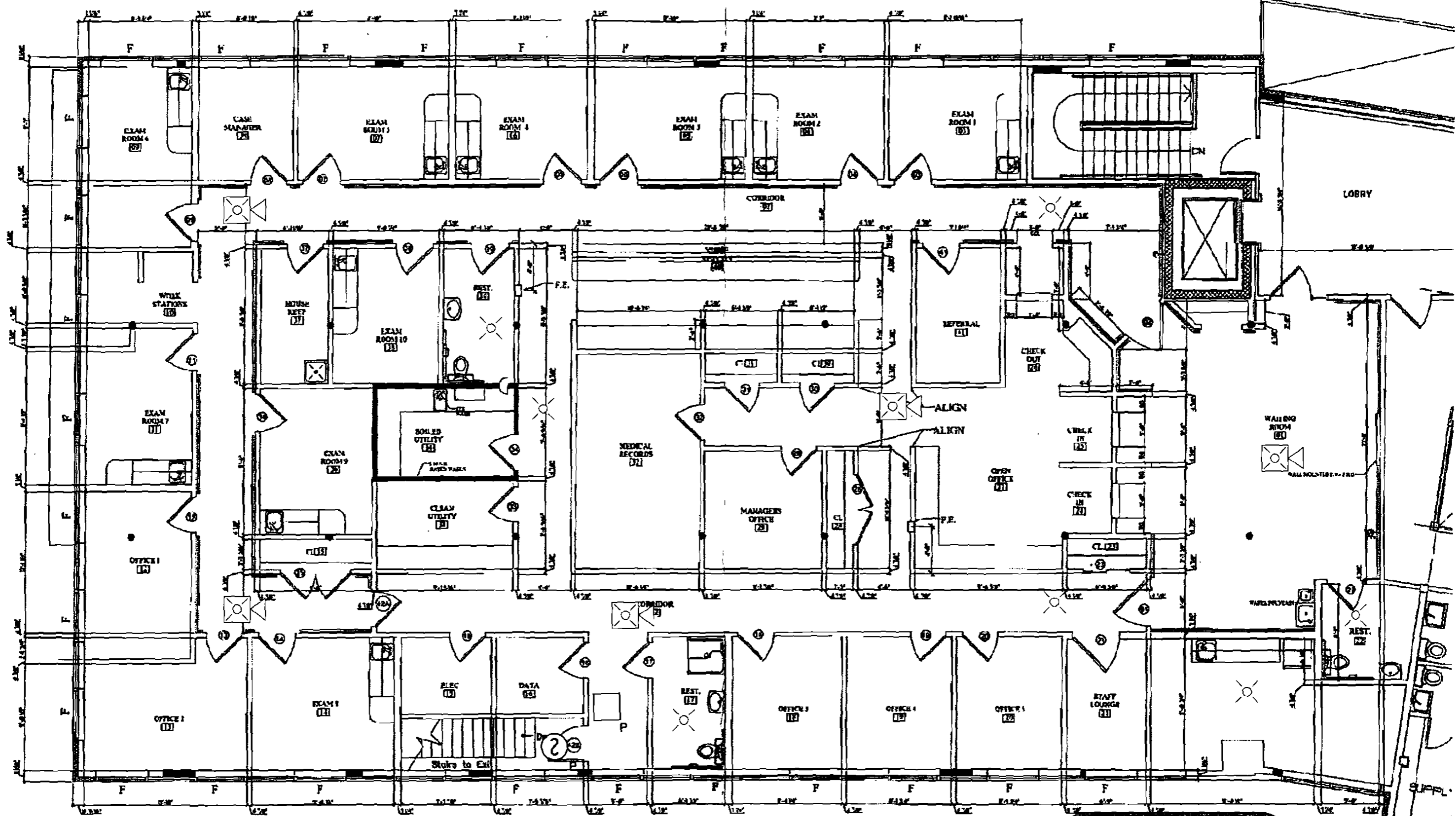
SOUNDER

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)



1 SECOND FLOOR PLAN
SCALE: 1/4" = 1'-0"



Kevin Inman, Certified Engineering Technician Level III, NICET #52435
10 Manuel Drive, Portland, Maine 04103 (207) 347-5318 12/28/10

NOTES:
- PROVIDE CORNER GUARDS AT ALL OUTSIDE CORNERS
- PAWLING CO. EQ. 3" WIDE x 2" TALL
- ALL DIMENSIONS ARE TO FACE OF C.V.P.

TYPICAL INTERIOR PARTITION WALL
- 5/8" type 1 gypsum board wall with
- 1/2" metal studs @ 16" oc. - use 1"
- studs at end walls
- 1" x 1" x 1/2" metal anchors @ 48" on center
- provide 1/2" gap for continuous bead
- of acoustical sealant at bottom of
- wall

A CHAIR RAIL DETAIL
SCALE: 1/2" = 1'-0"

B TYPICAL WALL TYPE
SCALE: 1/2" = 1'-0"

C WALL TYPE AT ELEVATOR
SCALE: 1/2" = 1'-0"

43 Baxter Blvd		
Symbol	Count	Description
☉	7	Light
⊠	5	Hom w/ Light
□	1	Manual Station
②	1	Smoke Detector

OWNER:	CHABOT ST. LLC 100 Silver Street Portland, Maine 04101
ARCHITYPE, P.A. ARCHITECTS	48 Union Street Portland, Maine 04101 (207) 775-0022 Fax (207) 775-0058
PROJECT:	MERCY 43 BAXTER BLVD. PORTLAND, MAINE
DATE:	November 2nd, 2010
SCALE:	1/4" = 1'-0"
	Mercy Tenant Fit Up Plan
A1	