

DISPLAY THIS CARD ON PRINCIPAL FRONTAGE OF WORK



CITY OF PORTLAND

BUILDING PERMIT

This is to certify that JB BROWN

Located At 70 QUARRY RD

Job ID: 2011-04-787-ALTCOMM

CBL: 150 - - A - 002 - 001 - - - -

has permission to install a supervised fire alarm system 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

 (58)
Fire Prevention Officer

Code Enforcement Officer / Plan Reviewer

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

City of Portland, Maine - Building or Use Permit Application

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

Job No: 2011-04-787-ALTCOMM 2011-2695	Date Applied: 4/12/2011	CBL: 150 - - A - 002 - 001 - - - -	
Location of Construction: 70 QUARRY ROAD	Owner Name: J B BROWN	Owner Address: PO BOX 207 PORTLAND, ME - MAINE 04112	Phone:
Business Name: Cuddledown	Contractor Name: Kevin Inman @ Protection One	Contractor Address: 10 Manuel Dr., Portland, ME 04103	Phone: (207) 332-1204
Lessee/Buyer's Name:	Phone:	Permit Type: BLDG - Fire Alarm	Zone: C-50
Past Use: Industrial & Warehouse	Proposed Use: Same: Industrial & Warehouse - To add fire alarm	Cost of Work: \$12,000.00	CEO District:
		Fire Dept: <input checked="" type="checkbox"/> Approved w/conditions <input type="checkbox"/> Denied <input type="checkbox"/> N/A	Inspection: Use Group: Type:
		Signature: <i>Bjork</i> (58)	Signature:
Proposed Project Description: 70 Quarry Road - Cuddledown - to add fire alarm		Pedestrian Activities District (P.A.D.)	

Permit Taken By: Gayle	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>	Special Zone or Reviews <input type="checkbox"/> Shoreland <input type="checkbox"/> Wetlands <input type="checkbox"/> Flood Zone <input type="checkbox"/> Subdivision <input type="checkbox"/> Site Plan <input type="checkbox"/> Maj <input type="checkbox"/> Min <input type="checkbox"/> MM Date: <i>ok - 9/4/11</i>	Zoning Appeal <input type="checkbox"/> Variance <input type="checkbox"/> Miscellaneous <input type="checkbox"/> Conditional Use <input type="checkbox"/> Interpretation <input type="checkbox"/> Approved <input type="checkbox"/> Denied Date:	Historic Preservation <input checked="" type="checkbox"/> Not in Dist or Landmark <input type="checkbox"/> Does not Require Review <input type="checkbox"/> Requires Review <input type="checkbox"/> Approved <input type="checkbox"/> Approved w/Conditions <input type="checkbox"/> Denied Date: <i>[Signature]</i>
	CERTIFICATION		

I hereby certify that I am the owner of record of the named property, or that the proposed work is authorized by the owner of record and that I have been authorized by the owner to make this application as his authorized agent and I agree to conform to all applicable laws of this jurisdiction. In addition, if a permit for work described in the 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

BUILDING PERMIT INSPECTION PROCEDURES

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

or email: buildinginspections@portlandmaine.gov

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

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

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

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



PORTLAND MAINE

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Director of Planning and Urban Development
Penny St. Louis

Job ID: 2011-04-787-ALTCOMM

Located At: 70 QUARRY RD

CBL: 150 - - A - 002 - 001 - - - -

Conditions of Approval:

Zoning

1. This permit is being approved on the basis of plans submitted. Any deviations shall require a separate approval before starting that work.

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

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

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

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

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

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

This is a supervised box per City code 10-101.

201-2695

Job Summary Report
Job ID: 2011-04-787-ALTCOMM

Report generated on Apr 13, 2011 2:50:33 PM

Job Type:	Adds/Alter Commercial	Job Description:	70 Quarry Road - Cuddledown	Job Year:	2011
Building Job Status Code:	In Review	Pin Value:	1118	Tenant Name:	Cuddledown
Job Application Date:		Public Building Flag:	N	Tenant Number:	
Estimated Value:	12,000	Square Footage:			
Related Parties:		J BROWN		<i>Property Owner</i>	
		ELECTRICAL MAINTENANCE & INSTALLATIONS - Stewart		<i>ELECTRICAL CONTRACTOR</i>	
		Stewart			
		Protection One - Lawrence Foley		<i>FIRE ALARM INSTALLER</i>	

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
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Location ID: 21622

Location Details

Alternate Id	Parcel Number	Census Tract	GIS X	GIS Y	GIS Z	GIS Reference	Longitude	Latitude
B51057	150 A 002 001		M				-70.288557	43.686418

Location Type	Subdivision Code	Subdivision Sub Code	Related Persons	Address(es)
1				70 QUARRY ROAD EAST

Location Use Code	Variance Code	Use Zone Code	Fire Zone Code	Inside Outside Code	District Code	General Location Code	Inspection Area Code	Jurisdiction Code
WHOLESALE		SELECT #					DISTRICT 5	MORRILLS CORNER

Structure Details

Structure: Warehouse

Occupancy Type Code:

Structure Type Code	Structure Status Type	Square Footage	Estimated Value	Address
Industrial Building	0			70 QUARRY ROAD EAST

Longitude	Latitude	GIS X	GIS Y	GIS Z	GIS Reference	User Defined Property	Value
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Permit #: 20112649

Permit Data

GAyle

Not in the Queue



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: 70 Quarry Rd CBL: _____

Exact location: (within structure) closet behind office

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

Building owner: J. B. Brown

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

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

Installing contractor: Protection One Certificate of Fitness No: M1003

Contractor phone: 207-210-8848 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

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

COST OF WORK: \$5000.00

PERMIT FEE: 20
(\$10 PER \$1,000 + \$30 FOR THE FIRST \$1,000)

RECEIVED

APR 13 2011

Dept. of Building Inspections
City of Portland Maine

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

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

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

Applicant signature: William Brown Date: 04/13/11



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www.ProtectionOne.com

Scope of Work:

Fore River Warehouse
70 Quarry Rd
Portland, Me

By:
Protection One
10 Manuel Dr
Portland, Me

Replace existing due to catastrophic failure.
Install manufacturer's direct replacement.
Place annunciator at the front door.
Pull Stations at ALL points of egress first floor, second floor and warehouse
A/V devices throughout spaced per NFPA72 2010
Sprinkler system addressed on panel point by point id



D7412GV2 Control Panel



The D7412GV2 Control Panel provides an integrated solution for intrusion, access control, and fire alarm system applications. The control panel includes a communicator that sends event reports to selected public switched telephone network (PSTN) or IP network destinations through four programmable route groups. The control panel provides up to 75 individually identified points. Each point:

- Accommodates normally-open (NO) and normally-closed (NC) devices with end-of-line (EOL) resistor supervision
- Is programmable for fire, fire supervisory, or intrusion applications.

With the D7412GV2 you can:

- Monitor alarm points for intruder or fire alarms while operating user keypads and other outputs
- Program all system functions on-site through a D5200 Programmer or remotely through Remote Programming Software (RPS).
- Add up to two doors of access control using the optional D9210BLC Access Control Interface Module.

Functions

Programmable Outputs

- 2 A alarm power at 12 VDC
- 1.4 A auxiliary power at 12 VDC
- Four alarm-output patterns
- Automatic bell test
- Programmable bell shut-off timer

- ▶ Fully integrated intrusion, fire, and access control allows users to interface with one system instead of three
- ▶ Conettix IP-based communication option provides high-speed, secure alarm transport and control
- ▶ Eight programmable areas with perimeter and interior partitioning
- ▶ 75 points with flexible configuration options to meet multiple installation requirements
- ▶ Your choice of vacuum fluorescent or ATM-style user interface keypads
- ▶ New user interface functions provide additional security and flexibility
- ▶ Commercial Wireless allows up to 67 RF points

System Response

- 31 custom point indexes, including fire supervisory
- Selectable point response time
- Cross point capability
- Fire alarm verification
- Fire inspector's local test
- Watch mode
- Scheduled events (skeds) arm, disarm, bypass and unby-pass points, control relays, control authority levels, and control door access

User Interface

- Supervision of up to eight keypads (up to 32 unsupervised keypads can be used)
- Custom keypad text
- Full function command menu including custom functions
- Authority by area and 16-character name for each user
- 14 custom authority levels control user's authority to change, add, or delete passcodes or access control credentials; to disarm or bypass points; and to start system tests

Note Use at least one keypad in each system.

Area Configurations

Area programming offers a wide selection of different system configurations. Each area is assigned an account number to define annunciation, control, and reporting functions. Multiple areas can be linked to a shared area which is automatically controlled (hallway or lobby). Area arming can be conditional on other areas (master or associate).

Two Man Rule

Two Man Rule provides added security by requiring:

- Two people present at opening
- Two unique passcodes on the same keypad to disarm an area

Without the second passcode, the system denies entry.

Early Ambush

Early Ambush requires two passcode entries on the same keypad. Enter the same passcode twice or have two unique passcodes, depending on the configuration. The first entry disarms the area and the second entry stops a timer programmed to send a duress event. If the second entry does not occur within the programmed time, the system generates a duress event. Early Ambush allows users to inspect the premises and use the system to confirm that the area is safe to enter, providing added security.

Easy Exit Control

The D7412GV2 Control Panel changes from one armed state to another armed state without disarming. For example, if you change the state from Master Arm to Perimeter Arm, the control panel complies and reports the change. Easy Exit Control reduces the number of keystrokes, simplifying system operation.

Programmable Passcode-controlled Menu List

The system prompts users to enter a passcode prior to viewing the keypad menu. The keypad display shows the user the menu options allowed according to the user's authority level. Passcode-controlled menus provide users only with the options and information pertinent to them, simplifying system operation.

Passcode Follows Scope

Use Passcode Follows Scope to restrict passcode arming and disarming to the keypad's immediate local area, even if the keypad can report events from other areas. Passcode Follows Scope simplifies the arming and disarming procedure without limiting any other keypad capabilities.

Invisible Walk Test

A menu item allows the user to test invisible 24-hour points within the scope of the keypad without sending a report to the central station.

Door-Activated Custom Function

A custom function activates when user credentials are presented to a D9210B door controller's reader. The custom function behaves as though the user performed a function at the keypad associated with the door controller.

Passcodes

User passcodes contain three to six digits. Assign each user one of 14 customized authority levels in each area. Restrict passcodes to operate only during certain times.

The Two Man Rule and Early Ambush options require two passcodes, providing additional security in financial establishments such as banks.

Communications

The D7412GV2 Control Panel prioritizes and sends reports in BFSK or Modem IIIa² communications formats to four route groups. Each group has a programmable primary and backup destination.

The D7412GV2 works with the Conetix D6600 Communications Receiver/Gateway using a Conetix DX4020 Network Interface Module. When using a DX4020, the D79412GV2 has programmable anti-replay anti-substitution features.

The Modem IIIa² Communications Format, available with Bosch receivers, adds central station reporting capabilities such as:

- Individual point numbers and text
- Opening or closing reports by area number
- Remote programming attempts
- Diagnostic reports
- User name reports

Security and Fire Detection

The D7412GV2 Control Panel provides eight on-board points, and up to 67 additional off-board points (depending on model and expansion interfaces). You can program individual points to monitor all types of burglar alarms, fire alarms, and supervision devices.

Event Log

The event log stores up to 1,000 local and transmitted events. The event log includes time, date, event, area, point, and user number. View the event log from a keypad or use RPS to remotely retrieve event information. RPS operators can retrieve events periodically using one phone call, rather than receiving several calls each day. When the event log reaches a programmed threshold of stored events, it can send an optional report to a receiver.

Access Control

The D7412GV2 provides custom door strike, point shunt and auto disarming response by area. There are 14 panel-wide access levels with both manual and scheduled control.

Store, view, or print access events such as:

- Access granted

- No entry
- Request-to-enter
- Request-to-exit

Scheduled Events (Skeds)

The internal clock and calendar start individually scheduled events (skeds). Skeds perform functions such as arm or disarm, relay control, or point bypassing. The D7412GV2 Control Panel offers:

- 40 scheduled events with up to 25 different functions
- Eight opening windows and eight closing windows
- Eight user windows
- Day-of-week, date-of-month, or holiday only schedules
- Four holiday schedules of 366 days each (leap year)

Fire Test

When a user activates Fire Test Mode, the control panel suppresses all reports to the central station. The keypad and annunciator show all testing data. An automatic sensor reset feature saves time; you do not need to reset the sensors manually. At the end of test, the keypad shows the number of untested points.

Programming, Diagnostics and Controls

Users can program on-site with a D5200 Programmer, or program remotely through RPS. A programmable system passcode prevents unauthorized remote programming.

D7412GV2 Control Panels accommodate up to four separate telephone numbers for primary, alternate, and backup receivers for automatic test reports.

When resetting alarms or arming or disarming a system, the user is identified by name and number.

Certifications and Approvals

Region	Certification	
USA	UL	AMCX: Central Station Alarm Units (UL1610, UL1635), AMCX7: Central Station Alarm Units Certified for Canada (CAN/ULC-S304-M88, UL 1635), AMTB: Control Panels, SIA False Alarm Reduction (ANSI/SIA CP-01-2000), AOTX: Local Alarm Units (UL464, UL609), AOTX7: Local Alarm Units Certified for Canada (CAN/ULC-S303, CAN/ULC-S525), APAW: Police Station Alarm Units (UL365, UL464), APAW7: Police Station Alarm Units Certified for Canada (CAN/ULC-S303, CAN/ULC-S304, CAN/ULC-S525), APOU: Proprietary Alarm Units (UL1076), APOU7: Proprietary Alarm Units Certified for Canada (ULC/ORD-C1076), NBSX: Household Burglar Alarm System Units (UL1023), NBSX7: Household Burglar Alarm System Units Certified for Canada (ULC/ORD-C1023), UOJZ: Control Units, System (UL864, 9th edition), UTOU: Control Units and Accessories - Household System Type (UL985), UTOU7: Control Units and Accessories - Household System Type Certified for Canada (ULC-S545s)
		FM
		CSFM 7165-1615: 119
		FCC AJ9-MUL-46532-AL-E
		NYC-MEA 12-92-E, Vol. 15
Canada	IC	1249A-GV2

Installation/Configuration Notes

Compatible Products

Keypads	D1260 Series Keypads (D1260, D1260W, D1260R, D1260BLK, D1260B) D720 Series Keypads (D720, D720W, D720R, D720B) D1255 Series Keypads (D1255, D1255W, D1255R, D1255B, D1255RB) D1256 and D1256RB Fire Keypads D1257 and D1257RB Remote Fire Alarm Annunciators D279A Independent Zone Control
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Detectors	D278S Four-wire Addressable Detector Base, 12 VDC	DS7432 Eight-input Remote Module
	D285/TH Photoelectric Smoke Detector Heads	DS7457i Series Single Zone Multiplex Input Modules
	D298S Addressable Detector Base, 24 VDC	DS7460i Two-input Module
	D7050 Series Addressable Photoelectric Smoke and Smoke Heat Detector Heads	DS7461i Single-input Multiplex Module
	F220-B6PM/S Addressable Detector Bases with POPITs	DS7465i Input and Output Module
	MX250 Series Smoke Detectors	DX4010i RS-232 Serial Interface Module
	MX775i Addressable PIR Detector	Conettix DX4020 Network Interface Module
	MX794i Long Range Multiplex PIR Detector	ICP-SDI-9114 SDI Splitter
	MX934i Addressable PIR Detector	Peripheral Hardware
	MX938i Addressable PIR Detector	rvm4c Remote Video Module
	ZX776Z PIR Detector	Programming
	ZX794Z Long Range PIR Detector	D5200 Series Programmers
	ZX835 TriTech Microwave/PIR Detector	RPS or RPS-LITE Remote Programming Software
	ZX935Z PIR Detector	Readers
	ZX938Z PIR Detector	ARD-R10 iCLASS Mullion Reader
	ZX970 PIR/Microwave Detector	ARD-R40 iCLASS Switchplate Reader
	Bosch conventional detectors, including Blue Line, seismic, PIR, TriTech PIR Microwave, photoelectric, heat, and smoke.	ARD-RK40-09 iCLASS PIN Reader
Enclosures	D8103 Universal Enclosure	ARD-VSMART iCLASS Reader
	D8108A Attack-resistant Enclosure	D8201/W Series Low-profile Readers
	D8109 Fire Enclosure	D8203/W Series Mullion Proximity Readers
	D9101 Fire Enclosure (large)	D8223 Prox Pro Reader
		D8224 Mullion Reader
Magnetic Contacts	Bosch magnetic contacts include recessed, terminal connection, miniature, overhead door, and surface mount.	D8224-SP Switch Plate Reader
		D8225 Mini Mullion Reader
		D8227 Insert Card Reader
		D8301/W Series Low-profile Proximity Readers
		D8302 Vandal-resistant Reader
		D8303/W Series Mullion Proximity Readers
		D8304/W Series Extended Range Proximity Readers
Modules	C900V2 Dialer Capture Module	WP644 Series Waterproof Pass-through Readers
	D113 Battery Lead Supervision Module	SAFECOM Radio
	D125B Dual Class B Initiating Module	Communicators
	D127 Reversing Relay Module	SC2104 Series Slave Communicators
	D129 Class A Initiating Module	SC3100 Series Data Transfer Radio Communicators
	D130 Auxiliary Relay Module	SC4000 Series Full Data Transfer Radio Communicator
	D185 Reverse Polarity Signaling Module	Commercial Wireless
	D192C Notification Appliance Circuit Module	Products
	D192G Notification Appliance Circuit Module	ISW-D8125CW Commercial Wireless Interface
	D928 Phone Line Switcher	ISW-EN7280 Serial Receiver
	D5060 MUX Programmer	ISW-EN4200 Serial Receiver
	D8125 POPEX Point Expander	ISW-EN4204R LED Receiver
	D8128D OctoPOPIT Eight Point Expander	ISW-EN4216R LCD Receiver
	D8125MUX Point Expander	ISW-EN4016SK Survey Receiver
	D8125INV Wireless Interface Module	ISW-EN5040-T High-power Repeater
	D8129 Octo-relay Module	ISW-EN1210 Universal Transmitter (Single-input)
	D8130 Door Release Module	ISW-EN1210EOL Universal Transmitter with EOL Resistor
D9127 Series POPIT Modules	ISW-EN1210SK Survey Transmitter	
D9131A Parallel Printer Interface Module	ISW-EN1210W Door-Window Transmitter with Reed Switch	
D9210BLC Access Control Interface Module	ISW-EN1215EOL Universal Transmitter with Wall Tamper and EOL Resistor	

ISW-EN1215WEOL Door-Window Transmitter with Wall Tamper, Reed Switch, and EOL Resistor

ISW-EN1223D Water-resistant Pendant Transmitter (Double-button)

ISW-EN1223S Water-resistant Pendant Transmitter (Single-button)

ISW-EN1223SK Survey Pendant Transmitter

ISW-EN1233D Necklace Pendant Transmitter (Double-button)

ISW-EN1233S Necklace Pendant Transmitter (Single-button)

ISW-EN1235D Beltclip Pendant Transmitter (Double-button)

ISW-EN1235S Beltclip Pendant Transmitter (Single-button)

ISW-EN1235DF Fixed-location Transmitter (Double-button)

ISW-EN1235SF Fixed-location Transmitter (Double-button)

ISW-EN1242 Smoke Detector-Transmitter

ISW-EN1247 Glass-break Sensor Transmitter

ISW-EN1249 Billtrap Transmitter

ISW-EN1260 PIR Motion Sensor Transmitter (Commercial and High-end Domestic Applications)

ISW-EN1261HT PIR Motion Sensor Transmitter (High-traffic Areas)

ISW-EN1262 PIR Motion Sensor Transmitter (Residential and Low-traffic Commercial Applications)

ISW-EN1265 PIR Motion Sensor Transmitter (Ceiling-mount Applications)

Parts Included

D7412GV2 Components	Quantity
D7412GV2 Board	1
Mounting Skirt	1
Faceplate with D7412GV2 Label	1

Technical Specifications

Communications

SDI Bus A (+):	9 VDC 4572 m (15,000 ft)
SDI Bus B (-):	9 VDC 4572 m (15,000 ft)

Telephone Connection:	<ul style="list-style-type: none"> One telephone line D928 Dual Phone Line module required for two telephone lines
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Environmental Considerations

Relative Humidity:	5% to 93% at +30°C (+86°F), non-condensing
Temperature (Operating):	0°C to +50°C (+32°F to +122°F)

Number of...

Areas:	8
Card Readers (Doors):	2
Credentials (Tokens):	396
Custom Functions:	4
Events:	Store up to 1,000
Parallel Printers:	1
Passcode Users:	99, plus 1 service passcode
Points:	75 (8 on-board, up to 67 off-board)
Programmable Relay Outputs:	67
RF Points:	67
SKEDs:	40

Power Requirements

Current Draw (Maximum):	300 mA
Output (Alarm):	2 A at 12 VDC
Output (Auxiliary, Continuous Power, and Switched Auxiliary combined):	1.4 A at 12 VDC nominal
Voltage (Operating):	12 VDC nominal
Voltage (AC):	16.5 VAC 40 VA plug-in transformer (D1640)

D7412GV2 Kit Ordering Information

Components	Kits					
	D7412GV2-A	D7412GV2-CA-A	D7412GV2-B	D7412GV2-C	D7412GV2-CA-C	D7412GV2-D
D7412GV2 Board	1		1	1		1
D7412GV2-CA Board		1			1	
D101F Lock and Key Set				1	1	1
D122 Dual Battery Harness			1			
D161 2.1 m (7 ft) Dual Modular Phone Cords			2			
D928 Dual Phone Line Switcher			1			
D1640 Transformer	1		1	1		1
D1640-CA Transformer		1			1	
D6103 Enclosure						1
D8103 Enclosure				1	1	
D8108A Attack-Resistant Enclosure	1	1				
D8109 Fire Enclosure			1			

Ordering Information

D7412GV2 Control Panel Includes one printed circuit board (PCB).	D7412GV2
D7412GV2 Control Panel for Canada For use in Canada. Includes one printed circuit board (PCB) and assorted installation hardware.	D7412GV2-CA
D7412GV2 Attack-Resistant Kit Contains one PCB, one transformer, and one attack-resistant enclosure.	D7412GV2-A
D7412GV2 Attack-Resistant Kit for Canada For use in Canada. Contains one PCB, one transformer, and one attack-resistant enclosure.	D7412GV2-CA-A
D7412GV2 Fire and Burglar Kit Contains one PCB, one dual battery harness, two telephone cords, one telephone line switcher, one transformer, and one fire enclosure.	D7412GV2-B
D7412GV2 Commercial Burglar Kit Contains one PCB, one lock and key set, one transformer, and one universal enclosure.	D7412GV2-C
D7412GV2 Commercial Burglar Kit for Canada For use in Canada. Contains one PCB, one lock and key set, one transformer, and one universal enclosure.	D7412GV2-CA-C
D7412GV2 Burglar Kit Contains one PCB, one lock and key set, one transformer, and one D6103 Enclosure.	D7412GV2-D

Ordering Information

Accessories

ICP-SDI-9114 SDI Splitter Provides the ability to set up two independent SDI buses from a single SDI connection on the control panel.	ICP-SDI-9114
D928 Dual Phone Line Switcher Allows the control panel to operate over and supervise two separate phone lines. Only one D162 phone cord is supplied. Two additional D161 or D162 phone cords are required.	D928
D110 Tamper Switch Screw-on tamper switch that fits all enclosures. Shipped in packages of two.	D110
ICP-EZTS Dual Tamper Switch Combination tamper switch with a wire loop for additional tamper outputs.	ICP-EZTS
D101 Lock and Key Set	D101
D122 Dual Battery Harness Harness with circuit breaker. Connects two batteries to a compatible control panel.	D122
D122L Dual Battery Harness with Long Leads Color-coded harness with circuit breaker and leads measuring 89 cm (35 in.). Connects 12 V batteries to compatible control panels.	D122L
D126 Standby Battery (12 V, 7 Ah) Sealed lead-acid standby and auxiliary rechargeable power supply.	D126
D1218 Battery (12 V, 18 Ah) A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.	D1218
D1224 Battery (12 V, 26-28 Ah) A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.	D1224

Ordering Information

D1238 Battery (12 V, 38 Ah)	D1238
A 12 V sealed lead-acid battery for standby and auxiliary power with two bolt-fastened terminals. Includes hardware for attaching battery leads or spade connectors.	
D137 Mounting Bracket	D137
Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.	
D138 Mounting Bracket, Right Angle	D138
Used to mount accessory modules in D8103, D8108A, and D8109 enclosures.	
D1640 Transformer	D1640
D1640 Transformer for Canada	D1640-CA
For use in Canada. System transformer rated at 16.5 VAC, 40 VA.	
D8004 Transformer Enclosure	D8004
For applications such as fire alarm that might require a transformer enclosure.	
D8103 Enclosure	D8103
D8108A Attack Resistant Enclosure	D8108A
Grey steel enclosure measuring 41 cm x 41 cm x 9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes lock and key set. Requires the D2402 Mounting Plate.	
D8109 Fire Enclosure	D8109
Red steel enclosure measuring 40.6 cm x 40.6 cm x 8.9 cm (16 in. x 16 in. x 3.5 in.). UL Listed. Includes a lock and key set.	
D9101 Fire Enclosure	D9101
Large red enclosure for fire applications. It is constructed of 16 gauge (1.5 mm) cold rolled steel and measures (HxWxD) 37.4 in x 23.5 in. x 2.4 in. (94.8 cm x 59.6 cm x 10.5 cm).	
D9002-5 Mounting Skirt	D9002-5
Software Options	
RPS Kit (LPT)	D5500C-LPT
Account management and control panel-programming software with LPT connection.	
RPS Kit (USB)	D5500C-USB
Account management and control panel-programming software with USB connection.	

Americas:
Bosch Security Systems, Inc.
130 Pennton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 989 0096
Fax: +1 565 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

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P.O. Box 80002
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amea.securitysystems@bosch.com
www.boschsecurity.com

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11 Bishan Street 21
Singapore 573943
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Fax: +65 6571 2698
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www.boschsecurity.com

Represented by



D1256RB Fire Keypad



The D1256RB Fire Keypad is a full-function system controller and annunciator. This SDI bus compatible device works with the Bosch Security Systems, Inc. GV3 control panels and GV2 control panels (firmware version 7.04 and higher). Four one-touch function keys provide user-friendly control over the system. The function keys allow the user to silence the audible alarm output, silence the trouble sounder, reset the annunciator display, and reset the system detectors. Four additional navigational keys allow access to other programmed system functions. The D1256RB can be mounted in secure areas.

Functions

Display

The display uses words, numbers, and symbols to show the status of the fire system. When several events occur, each event is shown in order of priority followed by the time of occurrence. In conjunction with the 16-character vacuum-fluorescent display (VFD), four LEDs provide the following system status indications:

- Fire
- Silenced
- Supervisory
- Trouble

- ▶ Compatible with Bosch GV3 control panels and GV2 control panels (firmware version 7.04 and higher)
- ▶ Provides system control with easy to use function keys
- ▶ Built-in multi-tone sounder
- ▶ Easy to read vacuum-fluorescent display (VFD) shows complete system status in English
- ▶ Programmable custom text for each point
- ▶ Local system test display
- ▶ Molded red ABS plastic construction

Certifications and Approvals

Region	Certification	
USA	UL	UOXX: Control Unit Accessories, System (ANSI/UL 864)
	FM	
	CSFM	7165-1615: 0119 FIRE ALARM CONTROL UNIT (COMMERCIAL)
	FDNY-CoA	6059

Installation/Configuration Notes

Compatible Control Panels

The D1256RB Fire Keypad is compatible with GV3 control panels¹ and GV2 control panels¹ with firmware version 7.04 or higher. The keypad will work with G Series Control Panels prior to GV2 v7.04; however the LEDs will not operate.

¹ The D7212GV3 and D7212GV2 are not listed for commercial fire applications.

Mounting Considerations

The keypad is a low profile, surface-mounted unit molded in durable red plastic with three mounting holes in the base that allow secure, correct positioning during installation. Protect the surface-mounted keypad by mounting it to a D56 or D56R Conduit Back Box. For desktop applications, the keypad can be mounted to a D55 Desk Stand.

Note Do not install the keypad in direct sunlight. This damages the module components and makes the display less visible. Do not mount in wet or moist locations.

Wiring Considerations

The keypad connects to the control panel for data and power through a standard four-wire flying lead cable. For field wiring use 0.8 mm (22 AWG) or 1.2 mm (18 AWG) wires. Resistance cannot exceed 25 Ω . The field wiring connects to a four-wire harness supplied with the unit.

Note Use shielded cable where excessive electromagnetic interference is a problem.

Parts Included

Quant.	Component
1	Keypad
1	Hardware pack
1	Literature pack

Technical Specifications

Environmental Considerations

Relative Humidity: 5% to 85% non-condensing at +30°C (+86°F)

Temperature (operating): 0°C to +50°C (+32°F to +122°F)

Mechanical Properties

Color: Red

Dimensions: 11.7 cm x 21 cm x 2 cm
(4.6 in. x 8.2 in. x 0.8 in.)

Material: CHI MEI POLYLAC PA757 ABS with UV Stabilizer. UL94-HB Fire Rated

Power Requirements

Current: 104 mA minimum, 225 mA maximum

Voltage: 12 VDC nominal supplied by the control panel

Trademarks

Due to the nature of this material, this document refers to hardware and software products by their trade names. In most, if not all cases, these designations are claimed as trademarks or registered trademarks by their respective companies in one or more countries. It is not Bosch's intent to use any of these names generically. The reader is therefore cautioned to investigate all claimed trademark rights before using any of these names other than to refer to the product described.

POLYLAC is a registered trademark of CHI MEI Industrial Corporation, LTD.

Plexiglas is a registered trademark of Arkema.

Ordering Information

D1256RB Fire Keypad	D1256RB
The D1256RB Fire Keypad provides our one-touch function keys for user-friendly control over the system	

Accessories

D55 Keypad Desk Stand Portable desk stand in smoke colored Plexiglas.	D55
D56 Surface Mount Conduit Box White surface mount box.	D56
D56R Red Surface Mount Conduit Box Red surface mount box.	D56R

Americas:
Bosch Security Systems, Inc.
130 Perinton Parkway
Fairport, New York, 14450, USA
Phone: +1 800 289 0096
Fax: +1 585 223 9180
security.sales@us.bosch.com
www.boschsecurity.us

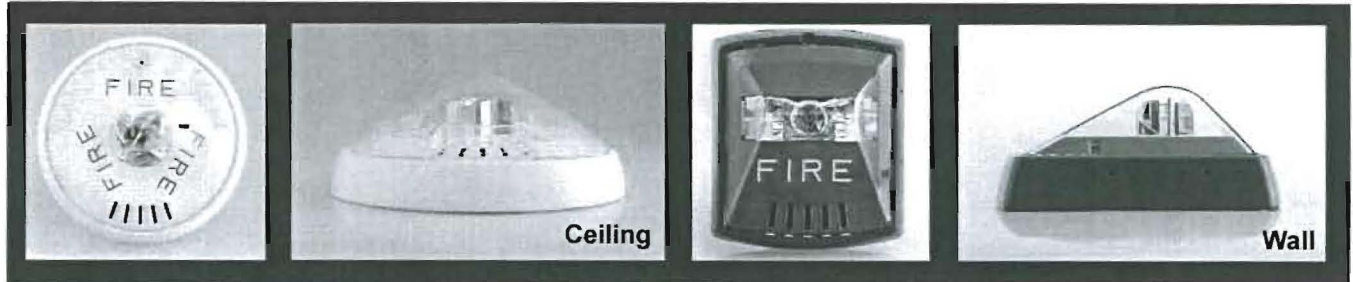
Europe, Middle East, Africa:
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Fax: +31 40 2577 330
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Represented by



Finally, Design and Safety Meet...



Description:

The Wheelock® Exceder™ Series of notification appliances feature a sleek modern design that will please building owners with reduced total cost of ownership. Installers will benefit from its comprehensive feature list, including the most candela options in one appliance, low current draw, no tools needed for setting changes, voltage test points, 12/24 VDC operation, universal mounting base and multiple mounting options for both new and retrofit construction.

The Wheelock® Exceder™ Series incorporates high reliability and high efficiency optics to minimize current draw allowing for a greater number of appliances on the notification appliance circuit. All strobe models feature an industry first of 8 candela settings on a single appliance. Models with an audible feature 3 sound settings (90, 95, 99 dB). All switches to change settings, can be set without the use of a tool and are located behind the appliance to prevent tampering. Wall models feature voltage test points to take readings with a voltage meter for troubleshooting and AHJ inspection.

The Wheelock® Exceder™ Series of wall and ceiling notification appliances feature a Universal Mounting Base (UMB) designed to simplify the installation and testing of horns, strobes, and combination horn strobes. The separate universal mounting base can be pre-wired to allow full testing of circuit wiring before the appliance is installed and the surface is finished. It comes complete with a Contact Cover for protection against dirt, dust, paint and damage to the contacts. The Contact Cover also acts as a shunting device to allow pre-wire testing for common wiring issues. The Contact Cover is polarized to prevent it from being installed incorrectly and prevents the appliance from being installed while it is on the UMB. When the Contact Cover is removed the circuit will show an open until the appliance is installed. The UMB allows for consistent installation and easy replacement of appliances if required. Wall models provide an optional locking screw for extra secure installation, while the ceiling models provide a captivated screw to prevent the screw from falling during installation.

- Save up to **48%** in current draw*
- Up to **9** models now in **1** appliance
- Save up to **14%** cost of installation**

- Sleek Modern Aesthetics
- Finger Slide Switches
- Voltage Test Points
- Multiple Voltages
- 3 Audible Settings
90, 95, 99 dB
- 8 Candela Settings***
Wall - 15/1575/30/75/95/110/135/185
Ceiling - 15/30/60/75/95/115/150/177
- Universal Mounting Base***
Ceiling and Wall
Mounts to 5 Backbox Types
- Environmentally Friendly
Low Current Draw

Compatibility and Requirements

- Synchronize using the Wheelock® Sync Modules or panels with built-in Wheelock® Patented Sync Protocol
- Compatible with UL "Regulated Voltage" using filtered VDC or unfiltered VRMS input voltage
- Strobes produce 1 flash per second over the "Regulated Voltage" range

* Compared to competitive models *** Patented
** Compared to previous models

NOTE: All CAUTIONS and WARNINGS are identified by the symbol \blacktriangle . All warnings are printed in bold capital letters.

\blacktriangle WARNING: PLEASE READ THESE SPECIFICATIONS AND ASSOCIATED INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. VISIT WWW.COOPERNOTIFICATION.COM OR CONTACT COOPER NOTIFICATION FOR THE CURRENT INSTALLATION INSTRUCTIONS. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS OR WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.

General Notes:

General Notes:

- Strobes are designed to flash at 1 flash per second minimum over their "Regulated Voltage Range"
- All candela ratings represent minimum effective strobe intensity based on UL Standard 1971.
- Series Exceder Strobe products are Listed under UL Standards 1971 and 464 for indoor use with a temperature range of 32°F to 120°F (0°C to 49°C) and maximum humidity of 93% (\pm 2%) UL 464 (85% UL 1971).
- Series Exceder horns are under UL Standard 464 for audible signal appliances (Indoor use only).

Low Current Draw = Fewer Power Supplies

Strobe Ratings per UL Standard 1971

		UL Max Current*													
		24 VDC / 24 FWR												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
ST	8.0-33.0	0.057	0.070	0.085		0.135	0.163	0.182		0.205			0.253	0.110	0.140
STC	8.0-33.0	0.061		0.085	0.103	0.135	0.163		0.182		0.205	0.253		0.110	

Horn Strobe Ratings per UL 1971 & UL 464 at 24 VDC

		UL Max Current* at 99 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.082	0.095	0.102		0.148	0.176	0.197		0.242			0.282	0.125	0.159
HSC	8.0-33.0	0.082		0.102	0.141	0.148	0.176		0.197		0.242	0.282		0.125	

		UL Max Current* at 95 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.073	0.083	0.087		0.139	0.163	0.186		0.230			0.272	0.122	0.153
HSC	8.0-33.0	0.073		0.087	0.128	0.139	0.163		0.186		0.230	0.272		0.122	

		UL Max Current* at 90 dBA													
		24 VDC												12 VDC	
Model	Regulated Voltage Range VDC	15	15/75	30	60	75	95	110	115	135	150	177	185	15	15/75
HS	8.0-33.0	0.065	0.075	0.084		0.136	0.157	0.184		0.226			0.267	0.120	0.148
HSC	8.0-33.0	0.065		0.084	0.120	0.136	0.157		0.184		0.226	0.267		0.120	

Horn Ratings per UL 464

Model	Regulated Voltage Range VDC	99 dB	95 dB	90 dB
HN	16-33.0	0.064	0.044	0.022
HNC	16-33.0	0.084	0.044	0.022
HN	8.0-17.5	0.047	0.026	0.017
HNC	8.0-17.5	0.047	0.026	0.017



* UL max current rating is the maximum RMS current within the listed voltage range (16-33 VDC for 24 VDC units). For strobes the UL max current is usually at the minimum listed voltage (16 VDC for 24 VDC units). For audibles the max current is usually at the maximum listed voltage (33 VDC for 24 VDC units). For unfiltered ratings, see installation instructions.

Specification & Ordering Information

Model	Strobe Candela	Sync w/ SM, DSM or PS-6 & PS-8	12/24 VDC*	Mounting Options
Horn Strobes				
HSR	15/1575/30/75/95/110/135/185	X	X	UMB**
HSW	15/1575/30/75/95/110/135/185	X	X	UMB**
HSRC	15/30/60/75/95/115/150/177	X	X	UMB**
HSWC	15/30/60/75/95/115/150/177	X	X	UMB**
Strobes				
STR	15/1575/30/75/95/110/135/185	X	X	UMB**
STW	15/1575/30/75/95/110/135/185	X	X	UMB**
STRC	15/30/60/75/95/115/150/177	X	X	UMB**
STWC	15/30/60/75/95/115/150/177	X	X	UMB**
Horn				
HNR		X	X	UMB**
HNW		X	X	UMB**
HNRC		X	X	UMB**
HNWC		X	X	UMB**

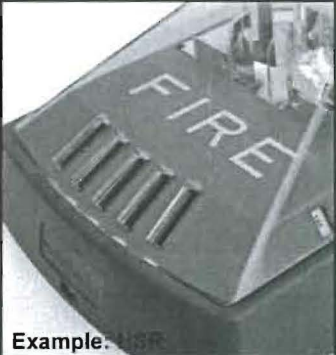
*12 VDC models feature 15 & 15/75 settings

**UMB = Universal Mounting Base

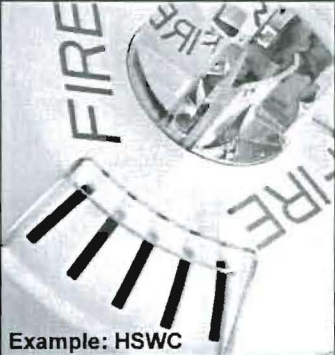
Model Legend

- HN = Horn
- ST = Strobe
- HS = Horn Strobe
- C = Ceiling Mount
- W = White
- R = Red

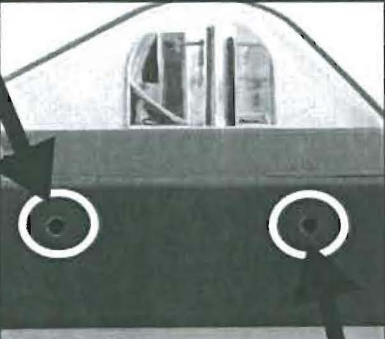
Example 1: STRC = Strobe, Red, Ceiling Mount
 Example 2: HSR = Horn Strobe, Red, Wall Mount
 Example 3: HSW = Horn Strobe, White, Wall Mount




Example: HSR




Example: HSWC



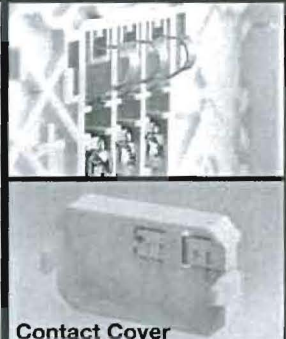
Voltage test points for quick troubleshooting and easy spot checking (wall models only)



8 candela settings



*UMB
Common base for wall and ceiling with 5 mounting options



Contact Cover

NOTE: Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Cooper Wheelock Inc., dba Cooper Notification standard terms and conditions.

Architects and Engineers Specifications

The notification appliances shall be Wheelock® Exceder™ Series HS Audible Strobe appliances, Series ST Visual Strobe appliances and Series HN Audible appliances or approved equals. The Series HS and ST Strobes shall be listed for UL Standard 1971 (Emergency Devices for the Hearing-Impaired) for Indoor Fire Protection Service. The Series HS and HN Audibles shall be UL Listed under Standard 464 (Fire Protective Signaling). All Series shall meet the requirements of FCC Part 15 Class B. All inputs shall be compatible with standard reverse polarity supervision of circuit wiring by a Fire Alarm Control Panel (FACP) with the ability to operate from 8 to 33 VDC. Indoor wall models shall incorporate voltage test points for easy voltage inspection.

The Series HS Audible Strobe and ST Strobe appliances shall produce a flash rate of one (1) flash per second over the Regulated Voltage Range and shall incorporate a Xenon flashtube enclosed in a rugged Lexan® lens. The Series shall be of low current design. Where Multi-Candela appliances are specified, the strobe intensity shall have 8 field selectable settings at 15, 15/75, 30, 75, 95, 110, 135, 185 candela for wall mount and 15, 30, 60, 75, 95, 115, 150, 177 candela for ceiling mount. The selector switch for selecting the candela shall be tamper resistant. The 15/75 candela strobe shall be specified when 15 candela UL Standard 1971 Listing with 75 candela on-axis is required (e.g. ADA compliance). Appliances with candela settings shall show the candela selection in a visible location at all times when installed.

The audible shall have a minimum of three (3) field selectable settings for dBA levels and shall have a choice of continuous or temporal (Code 3) audible outputs.

The Series HS Audible Strobe, ST Strobe and Series HN Audible shall incorporate a patented Universal Mounting Base that shall allow mounting to a single-gang, double-gang, 4-inch square, 3.5-inch octal, 4-inch octal or 100mm European type back boxes. Two wire appliance wiring shall be capable of directly connecting to the mounting base. Continuity checking of the entire NAC circuit prior to attaching any notification appliances shall be allowed. Product shall come with Contact Cover to protect contact springs. Removal of an appliance shall result in a supervision fault condition by the Fire Alarm Control Panel (FACP). The mounting base shall be the same base among all horn, strobe, horn strobe, wall and ceiling models. All notification appliances shall be backwards compatible.

The Series HS and ST wall models shall have a low profile measuring 5.24" H x 4.58" W x 2.19" D. Series HN wall shall measure 5.24" H x 4.58" W x 1.6" D. The Series HSC and STC shall be round and have a low profile with a diameter of 6.68" x 2.63" D. Series HNC ceiling shall have a diameter of 6.68" x 1.50" D.

When synchronization is required, the appliance shall be compatible with Wheelock®'s SM, DSM Sync Modules, Wheelock® Power Supplies or other manufacturer's panels with built-in Wheelock® Patented Sync Protocol. The strobes shall not drift out of synchronization at any time during operation. If the sync protocol fails to operate, the strobe shall revert to a non-synchronized flash-rate and still maintain (1) flash per second over its Regulated Voltage Range. The appliance shall also be designed so that the audible signal may be silenced while maintaining strobe activation when used with Wheelock® synchronization protocol.

Wall Appliances – UL Standard 1971, UL Standard 464, California State Fire Marshal (CSFM), ULC, FM

Ceiling Appliances – UL Standard 1971, UL Standard 464, California State Fire Marshal (CSFM), ULC, FM



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION
3 YEAR WARRANTY

Exceder - Spec Sheet 10/10

NJ Location
273 Branchport Ave.
Long Branch, NJ 07740
P: 800-631-2148
F: 732-222-8707

FL Location
7565 Commerce Ct.
Sarasota, FL 34243
P: 941-487-2300
F: 941-487-2389

VA Location
4401 Wilson Boulevard, Suite 220
Arlington, VA 22203
P: 877-459-7726
F: 703-294-6560

www.coopernotification.com

Cooper Notification is Wheelock®



SAFEPATH



COOPER Notification



SK-Pull-SA and SK-Pull-DA



Intelligent Pull Stations

The SK-Pull-SA and SK-Pull-DA are a single action or dual action addressable fire alarm pull station for use with Silent Knight's IntelliKnight fire control panel. Extremely easy to operate, the SK-Pull-DA/SA provides a fast and practical means of manually initiating a fire alarm signal. The IntelliKnight panel recognizes each manual pull station by its specific address saving precious seconds in determining the location of an alarm.

For more information about the IntelliKnight system, or to locate your nearest source, please call 1-800-328-0103 or in Connecticut, call (203) 484-7161.

Description

The SK-Pull-SA is a single action pull station requiring only one motion to activate the station. The SK-Pull-DA is a dual action pull station requiring two motions to activate the station. Both pull stations are designed to work with Silent Knight IntelliKnight series fire alarm control panels (FACPs).

Features

- Installer can open station without causing an alarm condition
- Dual-color LED is visible through handle of station blinks green to indicate normal operation and remains steady red in an alarm condition
- Key operated test and reset lock using lock plate actuator
- Key matches compatible FACP locks
- Meets the Americans with Disabilities Act Accessibility Guidelines (ADAAG) controls and operating mechanisms guidelines (Section 4.1.3[13])
- Meets ADA requirement for 5 lbs maximum pull force to activate
- Shell, door, and handle molded from durable LEXAN®
- Reliable analog communications for trouble-free operation
- Braille text on station handle
- Handle latches in down position and the word *Activated* appears, clearly indicating the station has been pulled
- Rotary address switches for fast installation
- UL Listed, including UL 38, Standard of Manually Actuated Signaling System



SK-Pull-SA



SK-Pull-DA

Compatibility

The SK-Beam and SK-Beam-T are compatible with the following IntelliKnight FACP's:

5700
5808
5820XL

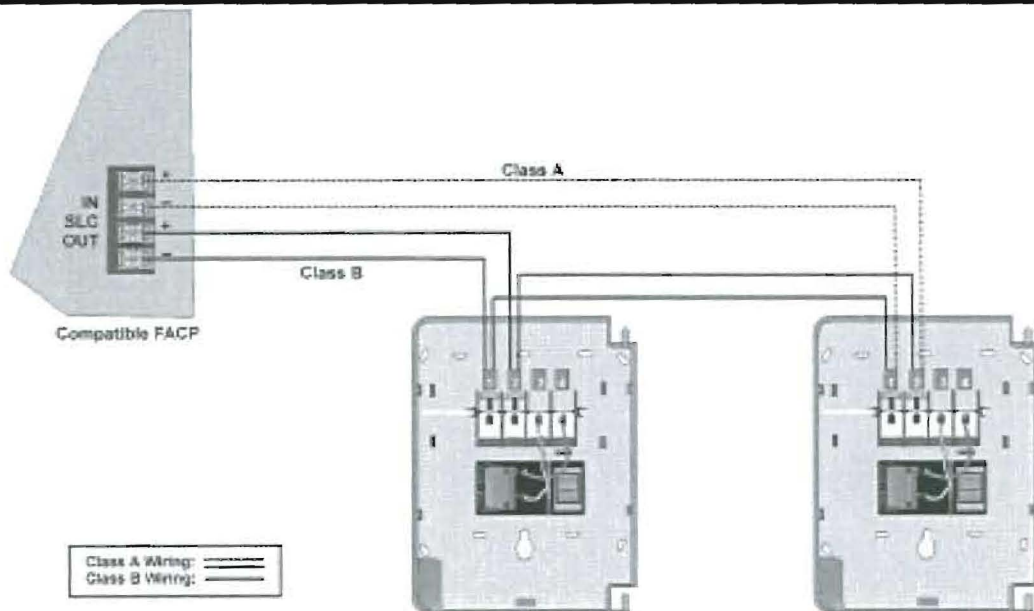
Model SK-Pull-Da and SK-Pull-SA



Engineering Specifications

The contractor shall furnish and install where indicated on the plans, Addressable Pull Stations, Silent Knight model SK-Pull-SA single action pull station or SK-Pull-DA, dual action pull station.

SK-Pull-DA or SK-Pull-SA meet the ADAAG controls and operating mechanisms guidelines, and the ADA requirements for a 5 lb. maximum pull force to activate the pull station.



Wiring SK-Pull-SA & SK-Pull-DA Pull Stations

Specifications

Physical

Height: 5.5" (14 cm)

Width: 4" (10.2 cm)

Depth: 5.4 oz. (3.7 cm)

Housing Material: LEXAN polycarbonate resin

Bi-Colored LED:

Blinking Green: Normal

Steady Red: Alarm

Switch: Single pole, single throw (SPST) normally open (N/O) switch which closes upon activation of the pull station

Electrical

Operating Voltage: 15–32 VDC

Average Operating Current (LED flashing): 300 μ A

Wire Gauge: Up to 12 AWG (3.1 mm²)

Environmental

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

Humidity: 10% – 93% non-condensing

Accessories

BG-TR Optional trim ring.

SB-I/O Surface backbox



This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight
12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103,
Fax: (203) 484-7118. www.silentknight.com

MADE IN AMERICA

FORM# 350135 Rev A
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G Series Battery Calculation Worksheet



BOSCH
Invented for life

Company Name: <input type="text" value="Protection One"/>	Prepared By: <input type="text" value="Kevin Inman"/>	<input type="button" value="Print"/>
Site Name: <input type="text" value="Fore River Warehouse"/>	System/Site ID: <input type="text"/>	
Site Address: <input type="text" value="70 Quarry Rd"/>	Standby Hours: <input type="text" value="24"/>	Safety Margin: <input type="text" value="1.2"/> Alarm Time (min): <input type="text" value="5"/>

Version 1.0

Part Number	Device Description	Quantity of Relays	Quantity of Devices	Standby mA Per Device	Alarm mA Per Device	Total Device Standby mA	Total Device Alarm mA
D7412GV2	G-Series Control Communicator, 75 Points, 8 Areas, 2 Doors		1	225	300	225	300
D1256RB	UL 9th Fire Annunciator, 4-Button (Red) (GV2, 7.04 & Higher)		1	106	225	106	225
D8125	Addressable Expansion Module		1	50	50	50	50
D9127	U/T POPIT Module		18	0.5	0.8	9	14.4
	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
D8129	Octo-Relay Module	0	0	0	0	0	0
G Series Total System Current						390.00	589.40

Config	Additional G Series Devices	Total Device Standby mA	Total Device Alarm mA
	Device Total From Additional Worksheet	0	0
Config	D125B Devices	Total Device Standby mA	Total Device Alarm mA
	Device Total From Additional Worksheet	0	0
Config	D8125MUX Devices	Total Device Standby mA	Total Device Alarm mA
	Device Total From Additional Worksheet	0	0
Config	NAC Devices	Total Device Standby mA	Total Device Alarm mA
	Device Total From Additional Worksheet	0	2326
		Total Device Standby mA	Total Device Alarm mA
	Device Totals for all Additional Worksheets	0.00	2326.00

Total System Standby (A)	0.39
Total System Alarm (A)	2.92
Standby Hours Required	24
Alarm Sounding in Minutes	5
Total System Standby A/H	9.36
Total System Alarm A/H	0.61
Safety Margin (1.1 = 10% and 1.2 = 20%)	1.2
Minimum Battery Required A/H	9.97
Recommended Battery A/H	11.96

Symbol	Count	Description
No symbols exist on the page to display.		

FACP

2

P

