Protection Professionals
325 U.S. Route 1
Falmouth, ME 04105
Ph 207-775-5755
Fax 207-781-2064

Device List

No. **10380**

List Date
1/18/2017

Bill To Name / Address	Job Site
Adam's Apple, LLC 65 Munjoy Street Portland, Maine 04102	Adam's Apple, LLC 65 Munjoy Street Portland, ME 04102

CHANGING THIS DEVICE LIST DOES NOT ALTER THE ORIGINAL ESTIMATE
Attach copy to Purchase Order for accounting

Estimate No.

Item	Description	Qty To Order	Qty Ordered
	This quote is based upon a fire alarm sprinkler monitoring system only. This system will require long range radio system monitoring.		
7788F-ULP Lease Pro...	AES Fire Subscriber, 8 Supervised Zones, including 7794 Intellipro Fire, Red Enclosure; 462.3875 (included for lease program)	1	
PFC-6006-R-3992334	Conventional fire panel, 6 zones, 1 amp power supply, One NAC at 0.5 amps. 0.5 AUX power	1	
Bat 12-7	12V 7AH Batteries SEC-1075	2	
IM-RJ31XSET	IM-RJ31XSET	2	
E120V-GT	Space Age 120V Surge Protector plus lockout and circuit breaker labels for FACP	1	
BK-2WB	Smoke Detector 2-wire over fire panel	1	
RMS-1T-KL-LP	Pull station WS-93 key	1	
HS-24W-WP-4890060	Horn/strobe, weatherproof, red	1	
SSU00672	Fire Document box 12 inches wide X 13.1 inches high X 2.25 inches deep, CAT 30 keyed	1	
WS-93 lockset	Potter lock set	1	
Sticker, Inspection	Local AHJ Inspection Sticker, please enter certificate number	1	
3262	Knox Box 3200 Series, Hinged Door, Surface Mount, Black, No Anti-Corrosion Protection, Tamper Switch	1	
	Intercom system: All door hardware is supplied by others.		
AM492/08	TekTone Intercom system for eight apartments	1	
OF191	Trim Frame, one gang	1	
OH191	Intercom back box, single gang	1	
PK543A	Intercom amplifier	1	
SS102A	Transformer 16VAC 10VA	1	
IR104E	Intercom Station (4-wire)	8	
IH101	Housing 2" IR series	8	
	5.5% Maine Sales Tax		

Ordered By: _____ **Date:** _____

Received By: _____ **Date:** _____

PFC-6006

CONVENTIONAL FIRE PANEL/ SPRINKLER MONITORING PANEL

SIGNALING
c UL us
LISTED

S735 7165-0328:0204

Features:

- 6 Programmable Initiating Device Circuits
- Class A or Class B Waterflow Initiating Circuit
- 2 Wire Smoke Detector Compatibility
- 1.0 Amp Power Supply
- 1 Notification Circuit rated at 0.5 Amps Regulated
- Strobe Synchronization for Potter/AMSECO, Gentex, System Sensor and Cooper/Wheelock
- 0.5 Amp Auxiliary Power, Programmable as Constant or Resettable
- 2 x 16 LCD display with system LEDs for clear system status
- Keypad for system features
- P-Link for Remote Annunciator Connections
- Capacity to charge and house 18AH batteries
- Onboard Dual Line Digital Alarm Communicator
- Built-in Ethernet Connection with listed IP Communicator
- Ability to E-mail system status, reports and system configuration
- Service Reminder E-mails

Electrical Specs

AC Mains

- 1.0 amp @ 120 VAC 60 Hz

Battery

- 105 mA Standby
- 160 mA Alarm

Dimensions

- 18 1/2" H x 14 1/4 W x 4 3/4" D

General Description

The PFC-6006 is a listed small conventional fire system ideally suited to monitor a small fire system such as a fire sprinkler system. The first input is selectable as a Class A or Class B water flow input and the other five zones are selectable from a menu of options including two-wire smoke detection. The panel has a 1.0 amp power supply that powers the panel, charges the batteries and supplies 0.5 amps to a notification appliance circuit and 0.5 amps of auxiliary power. The auxiliary power is programmable as constant or resettable.

The control panel is in a metal cabinet with a key lock and lexan window for viewing the system status. The printed circuit assembly is mounted for quick removal and installation to allow the cabinet to be installed with minimal effort. The cabinet houses up to two 12VDC, 18 AH batteries.

The display is a thirty-two (32) character LCD with system status LEDs. The system status is clearly displayed and the panel includes a history buffer for past events. The key pad allows navigation into the system menu, limited programming and system control. The condition and events on the panel are clearly displayed to allow the user and installer to determine the system status.

The panel has a dual telephone line digital alarm communicator transmitter (DACT) built on-board. One or both telephone lines may be enabled to allow communication to a remote monitoring station. In addition, an updated panel configuration may be sent to the panel through the telephone lines. The panel has line in and line out to allow the panel to be installed ahead of other telephone equipment on the premises.

The panel will support up to four (4) of the RA-6075 remote annunciators on the P-Link bus. These annunciators include a metal enclosure with a key lock and provide full functionality of the system.

The panel is pre-programmed from the factory for monitoring a typical wet or dry fire sprinkler system. The programming may be changed using the Potter Fire Panel Programmer (available free from www.pottersignal.com) and a standard Ethernet cable. The default program is as follows:

Input 1 - Waterflow
Input 2 - Smoke Detection (two-wire)
Input 3 - Manual Pull Station
Input 4 - Non-Latching Supervisory
Input 5 - Valve Tamper
Input 6 - Valve Tamper

General Description (Cont.)

In the standard program, Input 1 is defaulted as a Water flow zone. Input 1 is the only Class A/Class B zone. The panel will automatically determine Class A or B based on wiring and the presence of the end of line resistor. All of the inputs may be programmed for General Alarm, Waterflow, Two-Wire Smoke Detector, Heat Detector, Manual Pull Station, Non-latching Supervisory, Latching Supervisory, or Valve Tamper.

The NAC is listed for strobe synchronization and the panel is listed with Potter/AMSECO, Gentex, System Sensor, and Cooper Wheelock signals. Please refer to the Potter Notification Compatibility Document for the maximum number of strobe devices that may be connected. The maximum output is 0.5 amps.

The Ethernet connection may be connected to a building network with Internet to provide e-mail notifications of system status, reports, or system configuration. In addition, the Ethernet connection is listed for IP reporting to a monitoring station.

CAUTION: De-Energize Unit Prior to Servicing

120VAC 60Hz
Connect to separate unswitched AC circuit

Use 14 AWG or heavier gauge wire with 600V insulation

BLACK
WHITE
GROUND

WARNING: RADIO FREQUENCY FROM TRANSMITTING DEVICES MAY IMPAIR INTENDED OPERATION OF THE CONTROL UNIT. MAINTAIN A MINIMUM OF 30 CM BETWEEN TRANSMITTING DEVICES AND CONTROL UNIT.

AVERTISSEMENT : LES RADIOFRÉQUENCES ÉMISES PAR LES DISPOSITIFS DE TRANSMISSION PEUVENT NUIRE AU FONCTIONNEMENT PRÉVU DU POSTE DE CONTRÔLE. MAINTENIR UNE DISTANCE D'AU MOINS 30 CM ENTRE LES DISPOSITIFS DE TRANSMISSION ET LE POSTE DE CONTRÔLE.

Primary AC
120VAC, 60Hz, .75 AMP
Min Low AC Detect 98VAC

Battery Charging
27.3VDC @ .5A
Low Battery Detect @20.4VDC

All Circuit Impedance Values
Short Circuit: 0 Ohms
Open Circuit: >10K
Earth Fault to any terminal: 0 Ohms

Main Fuse Specification
1.6A-250VAC

Batt. Fuse Specification
2.5A-250VAC

F.C.C.

This device has been verified to comply with FCC Rules Part 15, Class A Operation is subject to the following conditions:
1. This device may not cause radio interference.
2. This device must accept any interference received including any that may cause undesired operation.

Acknowledgements
Gentex ®, Cooper Wheelock ®, and System Sensor ® synchronization protocols used with permission. Cooper Wheelock Patent Nos. 5,400,009.

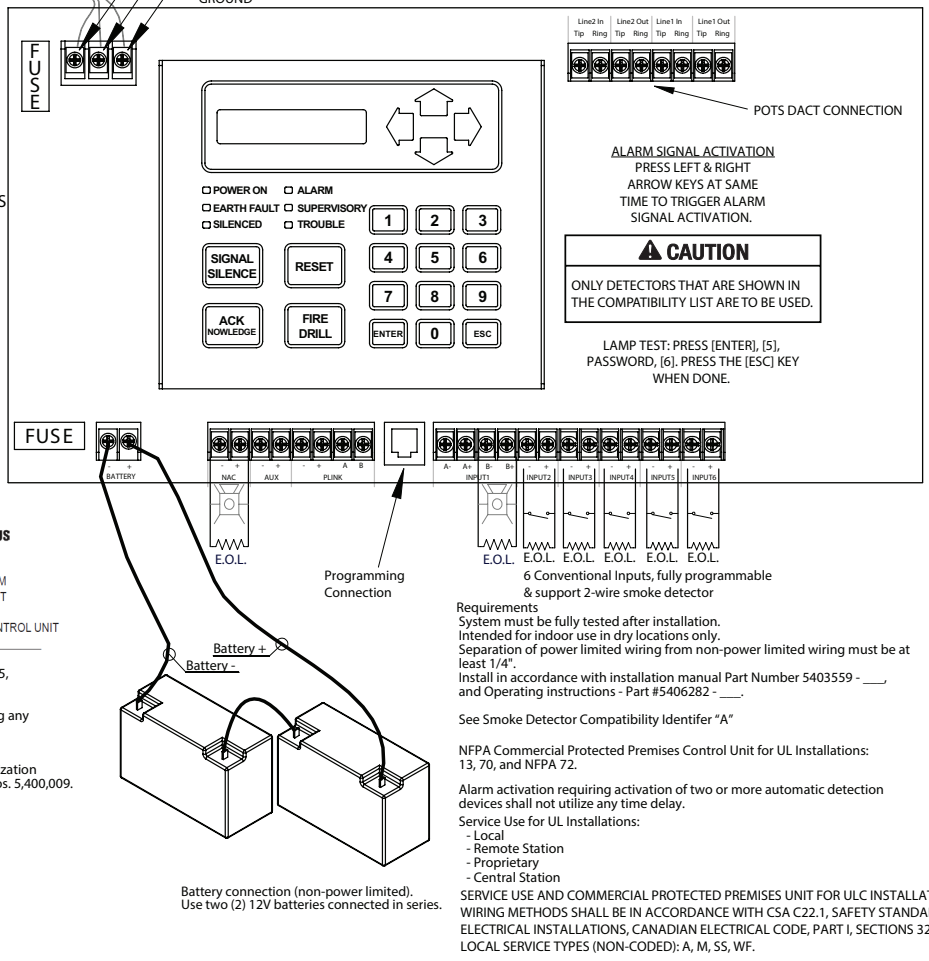
Potter Electric Signal Company LLC
PFC-6006
US: POTAL01BSMP
Complies with 47 CFR Part 68.
Made in USA.
See board for Serial #.

P/N 5406280 (10/31/2012)

SIGNALING c UL us LISTED
FIRE ALARM EQUIPMENT
3PDS
SIGNAL SYSTEM CONTROL UNIT
_____OF_____

POTTER The Symbol of Protection

PFC-6006
Sprinkler Monitoring Panel



Battery connection (non-power limited).
Use two (2) 12V batteries connected in series.

Requirements
System must be fully tested after installation.
Intended for indoor use in dry locations only.
Separation of power limited wiring from non-power limited wiring must be at least 1/4".
Install in accordance with installation manual Part Number 5403559 - ___, and Operating instructions - Part #5406282 - ___.

See Smoke Detector Compatibility Identifer "A"

NFPA Commercial Protected Premises Control Unit for UL Installations: 13, 70, and NFPA 72.

Alarm activation requiring activation of two or more automatic detection devices shall not utilize any time delay.

Service Use for UL Installations:
- Local
- Remote Station
- Proprietary
- Central Station

SERVICE USE AND COMMERCIAL PROTECTED PREMISES UNIT FOR ULC INSTALLATIONS: WIRING METHODS SHALL BE IN ACCORDANCE WITH CSA C22.1, SAFETY STANDARD FOR ELECTRICAL INSTALLATIONS, CANADIAN ELECTRICAL CODE, PART I, SECTIONS 32. LOCAL SERVICE TYPES (NON-CODED): A, M, SS, WF.

7788F/7744F Series

Wireless Fire Alarm Communicators for AES-*IntelliNet*

Model 7788F

LISTED

Advanced Wireless Alarm Monitoring

The AES-*IntelliNet* mesh radio network offers unmatched reliability and speed in delivering wireless alarm signals to a central station without third party fees or reliance on networks owned by companies outside the security and fire alarm industry. AES-7788F/7744F Series Smart Subscriber Transceivers provide the wireless communication link between the fire alarm panel and the central station receiver. The 7788F/7744F Series is ideal for most commercial fire alarm applications. Each 7788F/7744F Series Subscriber is housed in a full sized, red, locked, steel cabinet and supports a range of alarm panel inputs including EOL fire, EOL supervised, and direct voltage from the panel (non-fire applications).

Supervised Operation

AES Smart Subscribers offer fully supervised operation that includes monitoring of operating power (both primary AC power and battery backup) and the connection to the radio network. Each Subscriber "checks in" with the AES central station receiver at least once every 24 hours. The supervision check in time can be set for as often as once per minute and, because the central station owns the wireless network, there is no additional cost for air time to transmit supervisory signals.

Full Data Reporting from Alarm Panel Digital Dialer

Models 7788F-ULP and 7744F-ULP come equipped with an IntelliPro Fire Full Data Module (AES-7794) which enables reporting of full alarm data captured from the fire alarm panel's digital communicator. IntelliPro Fire supports most alarm communication formats including Contact ID, Pulse, as well as Bosch Modem IIe and Modem IIIa2.

Features – All models

- UL Listed commercial fire alarm applications.
- Meets NFPA 72 requirements
- Direct reporting to AES receiver across IntelliNet wireless mesh network
- Each Subscriber acts as transmitter/receiver/repeater
- Simple and fast activation on network
- On board status LEDs for easy set up
- 8 programmable zone inputs – 7788F
- 4 programmable zone inputs and 4 reverse polarity inputs – 7744F
- Easy programming via AES handheld programmer or PC
- Rugged metal housing ideal for any commercial fire alarm application

Models 7788F/7744F-ULP with IntelliPro Fire also includes

- IntelliPro Fire transmits full alarm data from virtually any fire alarm panel digital communicator
- Alarm format support for Contact ID, Pulse, or Bosch Modem IIe or Modem IIIa2
- Easy installation in AES subscriber
- Operates in applications with or without a phone line

Wireless mesh networking is an innovative technology adopted by many industries with applications that need to communicate data over a large geographic area with a high level of reliability at a low total cost of ownership.

The advanced design and 2-way communications capability provides easy installation, expansion, and management when compared to alternative communication methods, both wired and wireless.

7788F/7744F Series

Technical Specifications

7788F/7744F Series Subscribers

Dimensions
- 13.25”H x 8.5”W x 4.3”D (34cm H x 21.5cm W x 11cm D)

Weight
- Approx. 7 pounds (3.2 kilograms), excludes battery.

Radio Frequency
- Standard Frequency Range: 450-470MHz (others available)
- Output Power - 2 Watts (others available)

Antenna
- Included 2.5 db tamper resistant antenna mounts on enclosure
- Multiple remote antenna options available

Power Input
- 16.5VAC, 40VA (transformer not included)

Backup Battery
- Will charge 12V battery up to 7.5 AH. Requires 12VDC 7.5 AH battery for UL 864.

Alarm Signal Inputs (subscriber)
- 7788F – 8 individually programmable zones
- 7744F - 4 individually programmable zones and 4 reverse polarity inputs

UL Standards
- UL 864 Edition 9 – Standard for Control Units and Accessories for Fire Alarm Systems
- UL 365 – Standard for Police Station Connected Burglar Alarm Units and Systems
- UL 1681 – Standard for Central Station Burglar Alarm Units

Antenna Cut / Communication Trouble Output
- Form C relay; fail secure; rated for 24 VDC 1A resistive

Reset Button
- Located on main circuit board.

Operating Temperature
- 0° to 50° C (32° to 122°F)

Storage Temperature
- -10° to 60° C (14° to 140°F)

Relative Humidity
- 0 to 85% RHC, Non Condensing

AES-7794 IntelliPro Fire

Input / Output Connections
- RJ11 connection to AES subscriber for module data and power
- RJ11 connector for Handheld Programmer/PC programming
- RJ31X Telco connections - T and R both in and out via terminal strip and RJ45
- Alarm Panel digital communicator T and R both in and out via terminal strip and RJ45
- Trouble output: Form C relay detects if Subscriber is off the network

Alarm Formats
- Support for Contact ID and Pulse formats as well as Modem IIe and Modem IIIa2 converted to CID

Size
- 2.8 x 5.0 inches (7.1cm x 12.7cm)

Power Requirements
- 12 VDC nominal - primary and backup power provided by the AES 7788F/7744F or other Subscriber

How to Order

Model	Description
7744F	4 Zone Fire Alarm Subscriber with 4 reverse polarity inputs
7744F-ULP	7744F Fire Alarm Subscriber with IntelliPro Fire full data module
7788F	8 Zone Fire Alarm Subscriber
7788F-ULP	7788F Fire Alarm Subscriber with IntelliPro Fire full data module

Optional Accessories

7041E	Subscriber Handheld Programmer
7794	IntelliPro Fire Full Data Module

AES-IntelliNet™ is the industry leader in delivering high quality wireless mesh networks to the fire and security industry in commercial, corporate, government, and educational applications with its broad line of products and advanced network management tools. Users of AES-IntelliNet networks have gained significant revenue, communications, and cost advantages while meeting the high standards of reliability required for the fire and security industry. AES-IntelliNet alarm monitoring systems are deployed at hundreds of thousands of locations in over 150 countries.

For more information
Call 800-AES-NETS (800-237-6387)
AES Corporation | 285 Newbury Street | Peabody, MA 01960 USA
Tel. +1 978-535-7310 | Fax +1 978-535-7313 | Email info@aes-intellinet.com
Web www.aes-intellinet.com

7788F-7744F/9/7/11R3

NO EXCUSES!

FDB

Fire Alarm Control Unit (FACU) Records & Document Box

NFPA 72 section 6.2.2.1 states, “A record of installed software and firmware version numbers shall be maintained at the location of the fire alarm control unit.” The FDB is large enough to hold Operating Manuals, Permits, Shut-Down Instructions and more.

The Space Age FDB has been developed to be a code compliant solution to a mandated item specified by the National Fire Code (NFPA 72).

An internal galvanized sleeve holds the documents safely and securely. Access to the documents is via a high security CAT 30 Lock Set.

The galvanized sleeve also contains 2 hooks for key rings or thumb drives, a place for several business cards, a cutout for a 1.4 Oz. can of test gas and a slot where a standard CD “jewel” case can be stored.

Held in by two “wing nuts” the sleeve is easily removable to allow storage of a 1.5” 3 ring binder.

The door reads “FACU MAINTENANCE RECORDS” in 1” tall white lettering. Custom Logo and Lock Sets are available upon request.

Standard Features:

- Overall Dimensions are:
  12” Wide x 13.1” High x 2.25” Deep
- CAT 30 Secured Locking Door
- Piano Hinged Door w/Notes Sticker
- Removable document holder can hold 1” of 8.5” x 11” paperwork
- Powder Coat Red Finish
- 16 Gauge CRS construction
- Embossed:
  - Key Ring Hooks
  - Business Card Holder
  - CD Case Slot
- 1.4 Oz. can of detector test gas
- Private labeling available

NEMA

NFPA

Made In U.S.A.

ISO 9001 REGISTERED COMPANY

ADA

ACEBOX
Space Age Electronics, Inc.
www.1sae.com
800.486.1723 Toll Free
508.485.0966 Local
508.485.4740 Fax

No Excuses, Just Solutions!

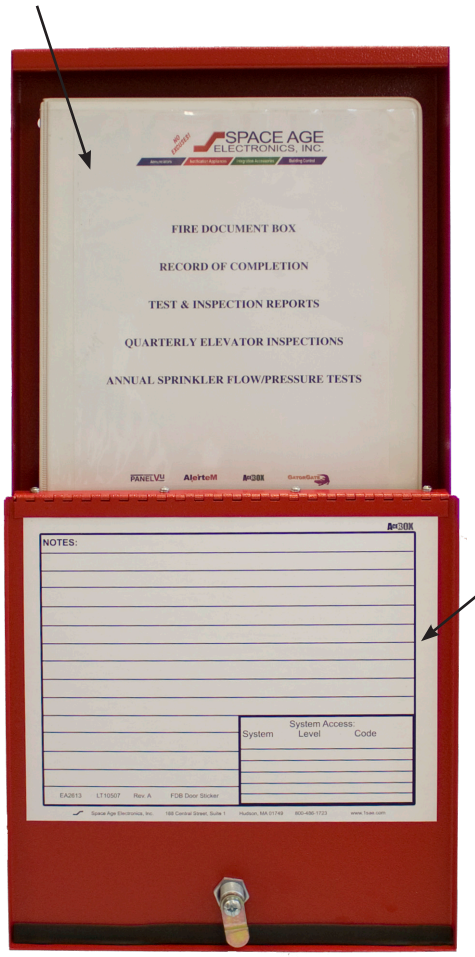
SPACE AGE ELECTRONICS, INC.

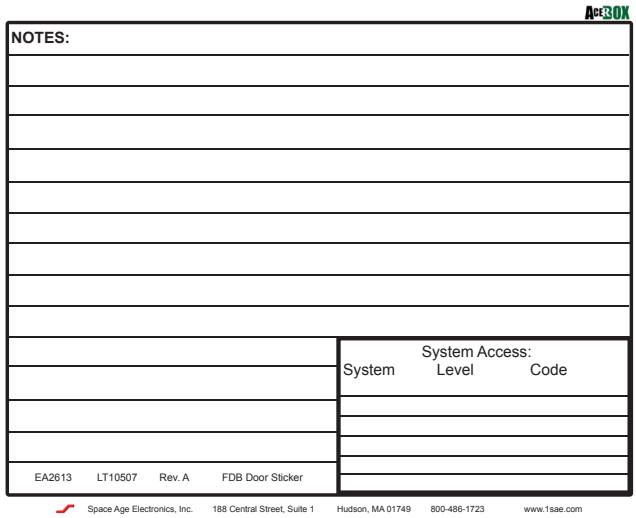
Specifications:

The Fire Document Box (FDB) shall be constructed of 16 gauge cold rolled steel (CRS), it shall be painted with a durable red powder coat paint. The front door shall be lettered with the words “FACU MAINTENANCE RECORDS” in White indelible letters 1” in height. The door of the FDB shall be locked with a keyed lock (standard shall be CAT 30, but others shall be available along with Private Labeling).

Inside the cabinet shall contain a16 gauge galvanized CRS sleeve. This sleeve shall allow for the storage of 1” of paper, test and inspection records, manuals and other important documents. The sleeve shall also facilitate the hanging of key rings and thumb drives (for data storage) along with business cards and space for a CD ‘jewel” case. The unit shall also contain a 1.4oz can of smoke detector test gas. Inside the door shall have a “Notes” label for the recording of valuable information such as AHJ approvals, various system codes and the location of hard to find devices.

If so desired, the internal sleeve (held in by 2 wing nuts) may be removed and the space used to insert a 1.5” 3 ring binder.





Notes Sticker inside FDB Door

Ordering Information:

Part #	Description
SSU00672	FDB Fire Document Box
SSU00673	FDB Custom Logo/lock
(ask for Form FD10498 to order custom box)	
CK1	Replacement 1.4 Oz Test Gas

Space Age Electronics, Inc.
www.1sae.com
800.486.1723 Toll Free
508.485.0966 Local
508.485.4740 Fax

No Excuses, Just Solutions!

PULL STATION SERIES

DIE-CAST METAL MANUAL PULL STATIONS

- UL and cUL Listed, FM Approved, CSFM Listed, MEA Approved, ADA Compliant
- Single or Dual Action
- Terminal connectors
- 10 Amp Snap Action Switch
- Gold plated SPST contacts
- Optional auxiliary contacts
- Mounts on standard single gangbox
- Surface backboxes available
- High-gloss red enamel finish
- Glass breakrod
- Made in the U.S.A.

Description

The Potter Pull Station Series offers a complete line of die-cast pull stations for a variety of applications focusing mainly on fire alarm systems. The pull stations are available in single or dual action models. All of the pull stations have a 10-amp snap action switch and a dedicated terminal block for the ease of wire connections. All of the metal is completely coated to inhibit corrosion and provide for a uniform and quality finish.

The standard models have a hex key reset, however a key reset is also available. The models are available with shallow and deep surface mount back boxes and as a weatherproof version.

Operation

The Potter single action series of pull stations operate by pulling the white operating handle straight down and the handle will lock into place. The dual action stations require the lifting of the front cover and then pulling the white operating handle straight down. The stations are reset by opening the front and placing the handle in the normal position.

Engineering Specifications

The contractor shall furnish and install the Potter series of pull stations as indicated. The pull station shall be die cast construction with a "T" type pull handle that is ADA compliant. Single action pull stations shall be a P32-1T. Dual action pull stations shall be the Potter P32-1T-LP. Any manual pull station installed in an outdoor or wet location shall be a RMS-1T-WP weather proof unit. The contact shall be a single pole, single throw switch rated at 1 amp 30V DC/125V AC. The device shall have a terminal block for ease of wiring. Once activated, the pull station shall be reset by opening the front cover. Opening of the cover in a normal state shall initiate an alarm.

Specifications

Switch Rating: 1 Amp @ 30 VDC
10 Amps @ 125 VAC
Pull Station Dimensions: 4-3/4" H x 3-1/4" W x 7/8" D
Color: Red with raised white letters, white pull bar with raised red letters

For special application manual stations see bulletin #8910014.
For explosion proof manual stations see bulletin #8880014.

Ordering Information

Type	Model Number	Stock Number	Contact Type
Single Action	P32-1T	1000447	SPST
	RMS-2T	1000477	DPST
	RMS-6T	1000478	DPDT
	RMS-1T-KL	1000451	SPST
	RMS-1T-KO	1000450	SPST, key operated, no pull
Weather Proof	RMS-1T-WP	1000401	SPST
Dual Action	P32-1T-LP	1000476	
Weather Proof Dual Action	RMS-1T-WP-LP	1000403	
Accessories			Notes
Dual Action	RMS-LP	1000480	Converts single action to dual action
Back Box	P32-BB	1000444	Surface mount back box
Back Box	P32-DBB	1000445	Deep surface mount back box
Glass Rods	RMS-GB	1000470	Replacement glass rods (10 per pkg)

SLP/HSLP
OUTDOOR SERIES
EVACUATION SIGNALS

Features

- Nominal voltage 24VDC
- Unit is shipped with ANSI/UL1638 listed strobe or horn/strobe
- Super-Slide® - Ease of Supervision Testing
- Checkmate® - Instant Voltage Verification
- Switch selection for high or low dBA
- Switch for mechanical and 2400Hz tone
- Switch for continuous tone or temporal 3 (not available on whoop tone)
- Tamperproof re-entrant grill
- Prewire entire system, install mounting bracket, then install signals
- Separate horn and strobe functions
- Synchronize strobe and/or horn by using Potter AVSM Control Module
- Listed to ANSI/UL1638 when used with the WPBB or WPLPBB enclosure
- WPBB/WPLPBB made of clear Lexan® - provides maximum visibility and reliability for effective visible signaling - allowing full 75cd output
- Input terminals accept 12 to 18 AWG
- Faceplate available in red or off-white

Unit Dimensions

- WP Unit: 5.75” (14.605 cm) high x 4.75” (12.065 cm) wide x 4.18” (10.617 cm) deep
- LP Unit: 5.75” (14.605 cm) high x 4.75” (12.065 cm) wide x 3.25” (8.255 cm) deep

LISTED
S3247 *Product includes a 5 year warranty*

Description

The Outdoor Series offers dependable visible and/or audible alarms for all outdoor needs.

Included with the SLP/HSLP Series is the WPBB or WPLPBB outdoor enclosure. The enclosure is made of high quality Lexan®material, providing protection from weather related conditions and allowing the necessary full candela output. This highly constructed enclosure meets various installation requirements including deterring moisture from entering the enclosures.

The Outdoor Series is equipped with the 4” mounting plate which incorporates the Super-Slide® feature that allows the installer to easily test for supervision. The product also features a locking mechanism which secures the product to the bracket without any screws showing.

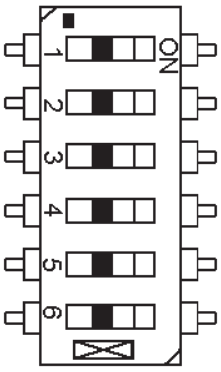
The Series also features the Checkmate® - Instant Voltage Verification feature which allows the installer to check the voltage drop draw and match it to ten blueprint.

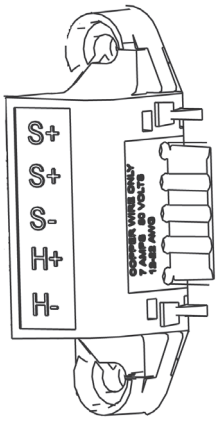
The Series strobe has a minimal operating current and has a minimum flash rate of 1Hz regardless of input voltage.

The Series appliances are ANSI/UL 464 and ANSI/UL 1638 listed for use with fire protective systems and are warranted for three years from date of purchase.

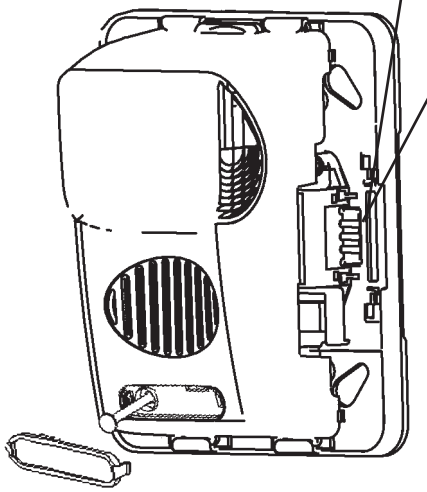
Tone Switch Locations

TONE	SWITCH POSITION		
	3	4	5
Mechanical Temporal 3	ON	ON	ON
Mechanical - Continuous	OFF	ON	ON
2400 Hz - Temporal 3	ON	OFF	ON
2400 Hz - Continuous	OFF	OFF	ON
Chime - Temporal 3	ON	ON	OFF
Chime - Continuous	OFF	ON	OFF
Whoop	ON	OFF	OFF
Whoop	OFF	OFF	OFF





NOTE:
- Switch Positions 1 and 2 in the OFF position to select isolated horn and strobe power inputs
- Switch Position 6 ON = HIGH dBA
- Switch Position 6 OFF = LOW dBA



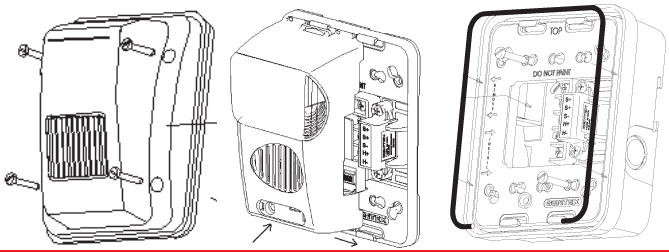
Super-Slide® Mounting Bracket
Allows the installer to pre-wire the system, test for system supervision, remove the signal head until occupancy, switch out Gentex signals without changing mounting brackets and has locking edge connector for snap-in-place installation.

Gentex Checkmate® Instant Voltage Verification
It is often necessary to confirm the voltage drop along a line of devices. The access holes are provided in the back of the terminal block to allow the voltage to be measured directly without removing the device. Typically this would be done at the end of the line to confirm design criteria. Most measurements will be taken using the S+ and S- locations although access is provided to other locations.

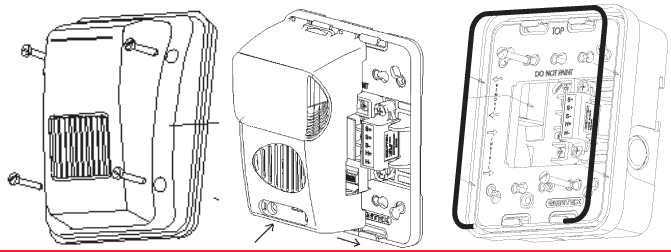
NOTE: Care should be taken to not short the test probes.

Mounting Outdoor Enclosure

Super-Slide® Mounting Plate:
Mounts to Outdoor Enclosure



Super-Slide® Mounting Plate:
Mounts to GOELP Outdoor Enclosure



SLP-24 Volt Outdoor Strobe

Model Number	Part Number	Nominal Voltage	Candela (ANSI/UL 1638)	Shipping
S-24WR-WP	4890050	24 VDC	75	Shipped with Weather Proof Back Box
S-24WW-WP	4890051	24 VDC	75	
S-24PWR-WP	4890052	24 VDC	75	
S-24PWW-WP	4890053	24 VDC	75	
SLP-24WR-WP	4890054	24 VDC	75	Shipped with Low Profile Weather Proof Back Box
SLP-24WW-WP	4890055	24 VDC	75	
SLP-24PWR-WP	4890056	24 VDC	75	
SLP-24PWW-WP	4890057	24 VDC	75	

Model Designations:
"W" = Wall Mount
"R" = Red Faceplate
"P" = Plain (no lettering)
"W" = Off-White Faceplate
NOTE: Plain units are non-returnable.
"LP" = Low Profile (WPLPBB Enclosure)

HS-24 Volt Outdoor Horn/Strobe

Model Number	Part Number	Nominal Voltage	Candela (ANSI/UL 1638)	Reverberant dBA @ 10 ft. per ANSI/UL 464	In Anechoic Room dBA @ 10 ft.
HS-24WR-WP	4890060	24 VDC	75	70-82	100
HS-24WW-WP	4890061	24 VDC	75	70-82	100
HS-24PWR-WP	4890062	24 VDC	75	70-82	100
HS-24PWW-WP	4890063	24 VDC	75	70-82	100
HSLP-24WR	4890064	24 VDC	75	70-82	100
HSLP-24WW	4890065	24 VDC	75	70-82	100
HSLP-24PWR	4890066	24 VDC	75	70-82	100
HSLP-24PWW	4890067	24 VDC	75	70-82	100

	Horn Decibel Levels		Horn Current Ratings
Horn Mode	Minimum SPL at 10 feet per ANSI/UL 464 (HIGH)	Minimum SPL at 10 feet per ANSI/UL 464 (LOW)	Regulated 24 VDC Max. Operating at High Setting
Temp 3 2400 Hz	78 dBA	71* dBA	28 mA
Temp 3 Mechanical	76 dBA	70* dBA	25 mA
Temp 3 Chime	70* dBA	66* dBA	15 mA
Continuous 2400 Hz	81 dBA	74* dBA	28 mA
Continuous Mechanical	80 dBA	72* dBA	25 mA
Continuous Chime	70* dBA	66* dBA	15 mA
Whoop	82 dBA	69* dBA	56 mA

WGE Series Product Strobe Current Ratings	
Candela	75 cd
24 VDC	112 mA
UL Max[1]	170 mA

NOTES:
- The S-24 WP/HS-24 WP Series are listed for outdoor use. Indoor Operating Temperature: 32°F to 120°F (0°C to 49°C). Outdoor Operating Temperature: -31°F to 150°F (-35° C to 66°C).
- For nominal and peak current across ANSI/UL regulated voltage range for filtered DC power and unfiltered (FWR [Full Wave Rectified]) power, see installation manual.
- Potter does not recommend using a coded or pulsing signaling circuit with any of our strobe products.
- The sound output for the temporal 3 tone is rated lower since the time the horn is off is averaged into the sound output rating. While the horn is producing a tone in the temporal 3 mode its sound pressure is the same as the continuous mode.

* Operating the horn in this mode at this voltage will result in not meeting the minimum UL reverberant sound level required for public mode fire protection service. These settings are acceptable only for private mode fire alarm use. Use the high dBA setting for public mode application (not applicable when using the chime tone. The chime tone is always private mode).

Architect & Engineering Specifications

The audible and/or visible signal shall be SLP/HSLP Series or approved equal and shall be listed by Underwriters Laboratories Inc. per ANSI/UL 1638 and/or ANSI/UL 464. The notification appliance shall also be listed with the California State Fire Marshal (CSFM).

The notification appliance (combination audible/visible) shall produce a peak sound output of 100dBA or greater at as measured in an anechoic chamber. The signaling appliance shall also have the capability to silence the audible signal while leaving the visible signal energized with the use of a single pair of power wires. Additionally, the user shall be able to select either continuous or temporal tone output with the temporal signal having the ability to be synchronized.

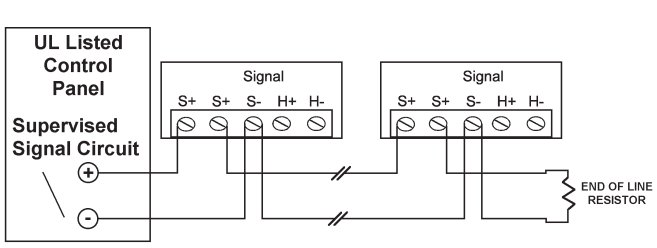
The audible/visible and visible signaling appliance shall also maintain a minimum flash rate of 1Hz or up to 2 Hz regardless of power input voltage. The appliance shall have an operating current of 170mA or less for the 75Cd strobe circuit. The appliance shall also be capable of meeting the candela requirements of the ADA (75cd).

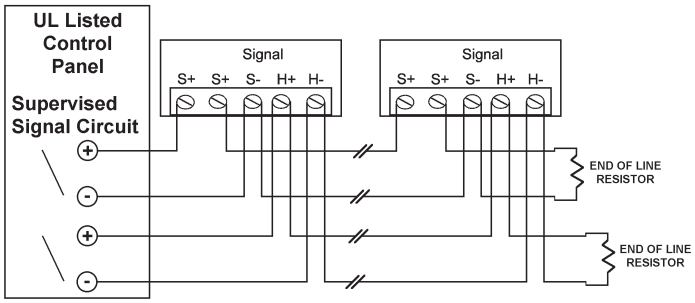
The appliance shall be polarized to allow for electrical supervision of the system wiring. The unit shall be provided with a mounting bracket with terminals with barriers for input/output wiring and be able to mount to a single gang or double gang box or double workbox without the use of an adapter plate. The unit shall have an input voltage range of 16-33 volts with either direct current of full wave rectified power for 24 volt models.

The appliance shall be capable of testing supervision without disconnecting wires. Also the appliance shall be capable of mounting to a surface back box. The unit shall also be able to verify voltage at the unit without removing unit.

The appliance has extended temperature range of -31° to 150°F (-35° to 66° C). The appliance shall satisfy virtually all outdoor and severe environment applications. The Enclosure includes a gasket that must be inserted between the box and mounting bracket. There are drain holes in the back box to allow for drainage, the seal on the GOE Enclosure is not water tight. The LP Enclosure includes a weather seal for mounting to wall and intended for use with universal electrical box. To allow for drainage, bottom edge of enclosure is not water tight.

Conventional Wiring Diagrams for Emergency Notification Evacuation Series





NOTES:

- All strobes are designed to flash as specified with continuous applied voltage. Strobes should not be used on coded or pulsing signaling circuits. However, use of the Potter AVSM control module or Gentex synchronization protocol is permitted to synchronize the strobe, horn and/or mute the horn.
- **FOR SYNCHRONIZATION WIRING INFORMATION, REFERENCE AVSM CONTROL MODULE DATA SHEET (P/N 51131) AND/OR AVSM CONTROL MODULE MANUAL FOR SYNCHRONIZATION MODULE WIRING DIAGRAMS. AVSM CONTROL MODULE DATA SHEET AND MANUAL CAN BE OBTAINED AT http://pottersignal.com OR CALL POTTER ELECTRIC AT 1-800-325-3936**

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 sensitivityof i³ detectors in terms of percent per-foot-obscuration.

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

Agency Listings

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

Smoke Detector Specifications

Architectural/Engineering Specifications

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

Electrical Specifications

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

Physical Specifications

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

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

Ordering Information

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

Accessories

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

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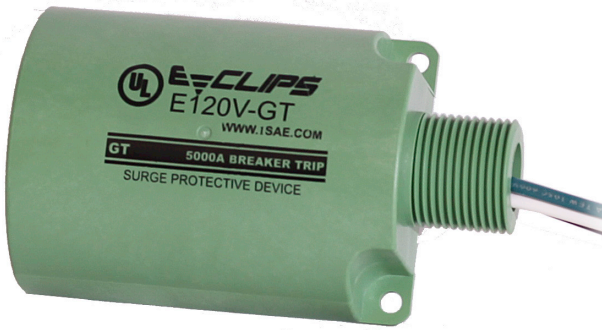
LISTED

E120V-GT



Hybrid Surge Protection Device

Safety and performance is what Eclips is all about. While there are many varying criteria to be considered for surge protective devices (SPD), if the design engineer neglects the importance there can be serious implications for the client and equipment.

Every piece of electrical equipment is designed to operate at a specified nominal voltage. Typically equipment is designed to handle minor variations. However external sources such as lightning, motors, and short circuits cause wild and damaging variations.

Critical systems wired to your electrical service like Fire Alarm Control Panels (FACP), Mass Notification systems, amplifiers, motors, pumps (HVAC), power boosters and many more must require appropriate levels surge protection. The E120 series is an ideal choice for your 120V AC applications. because it has the robustness not only to absorb a spike, but to clamp long enough to trip the branch circuit breaker and still be functional for additional surges.

The number one cause of destruction, degradation and down-time of critical electrical equipment is from power surges and lightning strikes.

The E120V-GT device is an ideal solution to protect equipment. UL listed it maintains system integrity and protects against transients introduced into / onto electrical lines via poor atmospheric and utility conditions as well as internally generated inductive loads and transient TVSS. It reduces system downtime associated with power surges and lightning strikes. Prevents destruction and degradation of electrical components in the system. Fix your nuisance and non-billable service calls as a result of transients and poor power quality and show your customer you care about system integrity.

Standard Features:

- Available in 120 VAC
- UL Listed 1449 3rd Edition Type 2 & 3 2X to open circuit breaker @5000A
- Includes lockout & labels per NFPA 72 2013 10.6.5.2
- Surface or conduit mounting
- Diagnostic indicator light
- Self restoring
- 3 Wire device (18” length)

Made In U.S.A.

NFPA

ISO 9001 REGISTERED COMPANY

- Uses UL Recognized Components

NEMA

E-CLIPS
Space Age Electronics, Inc.
www.1SAE.com
800.486.1723 Toll Free
508.485.0966 Local
508.485.4740 Fax

No Excuses, Just Solutions!

SPACE AGE ELECTRONICS, INC.

Specifications:

All 120volt AC equipment will have Transient Voltage Surge Suppression (TVSS) protection manufactured by Space Age Electronics, Inc., part number E120V-GT ECLIPS Brand. The Unit shall be UL listed to standard 1449 rev 3. The unit will be labeled clearly with indelible ink. Mounting can be conduit mounted with a ¾" pipe threaded nipple to secure in panel, or surface panel mount with 2 external mounting holes. The unit shall have thermal fuses to protect against fire in short circuit conditions. The E120V will have 18" long, 14 gauge wires (3x) ground wire must be green. The enclosure will be a non dielectric material UL94 QMFZ2/8 grade material providing UV protection. The unit shall provide visual indication (LED) that unit is protecting and functioning.

Specifications - Performance:

Short Circuit Current Rating (SCCR) :	5KA
Maximum Surge Current (8x20µs) :	25,000 Amps
Enclosure Material :	UL94 QMFZ2/8 (green)
Energy Dissipation Joules :	500 Joules
VPR=700(L – N) 700 (L – G) 600 (N – G)	
Capacitance :	< 2,000 pf
Clamping Response Time :	< 5 nanoseconds
Current :	Non-Load Bearing
Max Operating Voltage (MCOV) :	140 volts AC, 50/60 Hz
Clamping Voltage :	230 Volts RMS
Design :	Thermally Fused Hybrid
Operation Indicators :	LED
Surviveability :	UL rated X2 @5000 Amps to open Series external circuit breaker

Specifications - Operating:

Service Voltage :	120 Single Phase
Circuits Protected :	L-N L-G N-G
Connection Type :	Hardwired
Installation Configuration :	Parallel

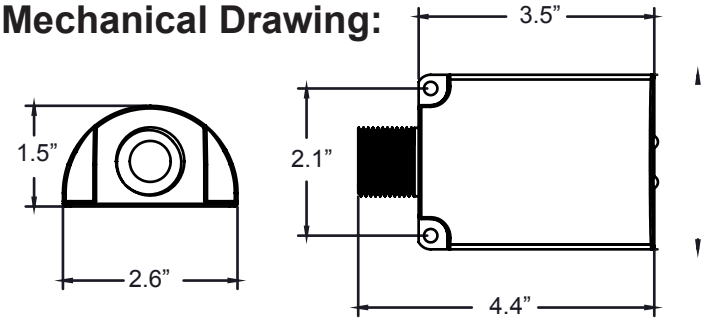
Specifications - Physical:

Weight :	5.2oz
Dimensions :	2.75" x 1.55" x 4" long
Operation Temperature :	-40 to +85º C

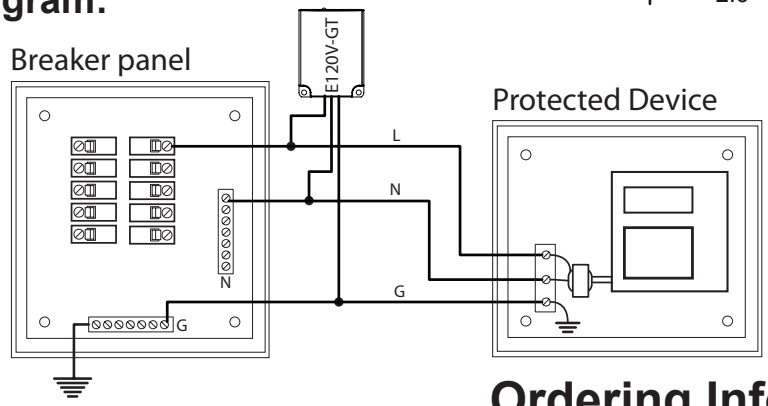
Specifications - Compliance:

UL Listed :	1449 Third Edition - VZCA
File Number :	E319370 Vol. 1 Sec. 1

Mechanical Drawing:



Wiring Diagram:



Ordering Information:

Part #	Description
E120V-GT	**120V Hybrid Surge Protective Device**
ELOCK-FA	**Circuit Lockout Kit**

ECLIPS

Space Age Electronics, Inc.
www.1SAE.com
800.486.1723 Toll Free
508.485.0966 Local
508.485.4740 Fax

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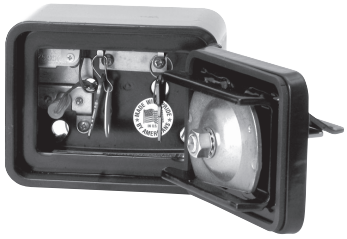
Knox-Box® 3200 Series
HINGED DOOR MODEL

High Security Industrial/Government Key Box

Recessed Mount with Face Flange

Surface Mount



The number one high-security KNOX-BOX® is used for most commercial applications including businesses, schools, government and public buildings, community associations and apartment complexes. The 3200 Series KNOX-BOX holds keys, access cards and other small items necessary for emergency access.

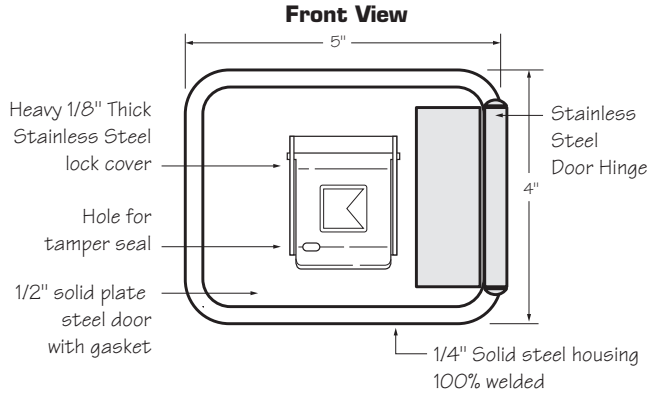
The hinged-door 3200 Series KNOX-BOX is more convenient than the lift-off door version because it allows single-handed operation and opened or closed, it's all one unit.

Features and Benefits

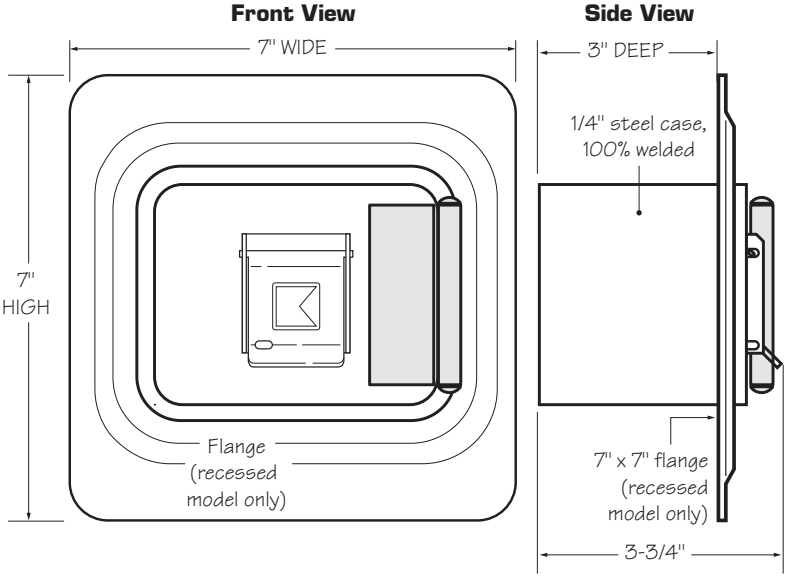
- Holds up to 10 keys and access cards in interior compartment
- Ensures high security. Box and lock are UL® Listed
- Includes a Knox-Coat® proprietary finishing process that protects Knox products up to four times better than standard powder coat
- Resists moist conditions with a weather resistant door gasket
- Hinged door allows single-handed operation
- Colors: Black, Dark Bronze or Aluminum
  Weight: Surface mount - 8 lbs.
  Recessed mount - 9 lbs.

Options

- Alarm tamper switches (UL Listed)
- Recessed Mounting Kit (RMK) for recessed models only
- Inside switch for use on electrical doors, gates and other electrical equipment



3200 Surface Mount



3200 Recessed Mount

Ordering Specifications

To insure procurement and delivery of the 3200 Series KNOX-BOX, it is suggested that the following specification paragraph be used:

KNOX-BOX surface/recessed mount with hinged door, with/without UL Listed tamper switches. 1/4" plate steel housing, 1/2" thick steel door with interior gasket seal and stainless steel door hinge. Box and lock UL Listed. Lock has 1/8" thick stainless steel dust cover with tamper seal mounting capability.

Exterior Dimensions:	Surface mount body- 4"H x 5"W x 3-3/4"D Recessed mount flange- 7"H x 7"W
Lock:	UL Listed. Double-action rotating tumblers and hardened steel pins accessed by a biased cut key.
Finish:	Knox-Coat® proprietary finishing process
Colors:	Black, Dark Bronze or Aluminum
P/N:	3200 Series KNOX-BOX (mfr's cat. ID)
Mfr's Name:	**KNOX COMPANY**

KNOX COMPANY • 1601 W. Deer Valley Road, Phoenix, AZ 85027 • (800) 552-5669 • (623) 687-2300 • Fax (623) 687-2299 • Web: www.knoxbox.com • E-mail: info@knoxbox.com

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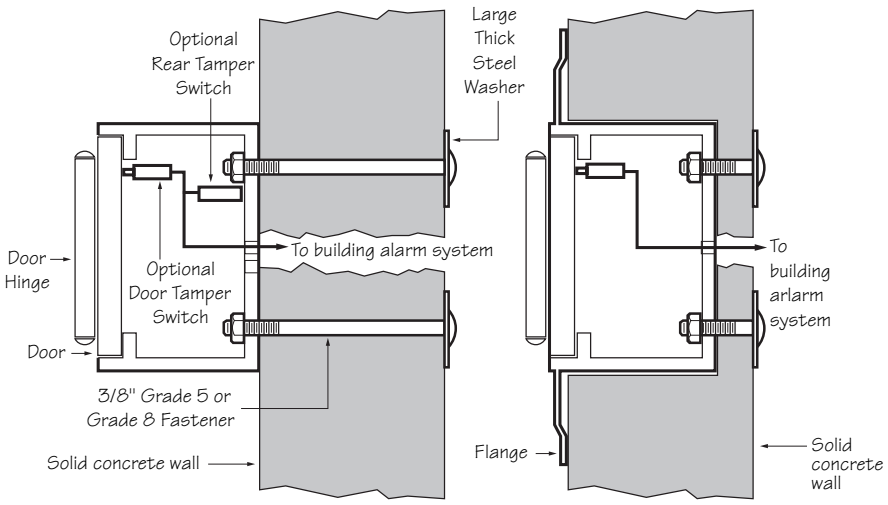
Knox-Box® 3200 Series
HINGED DOOR MODEL - MOUNTING DIAGRAM

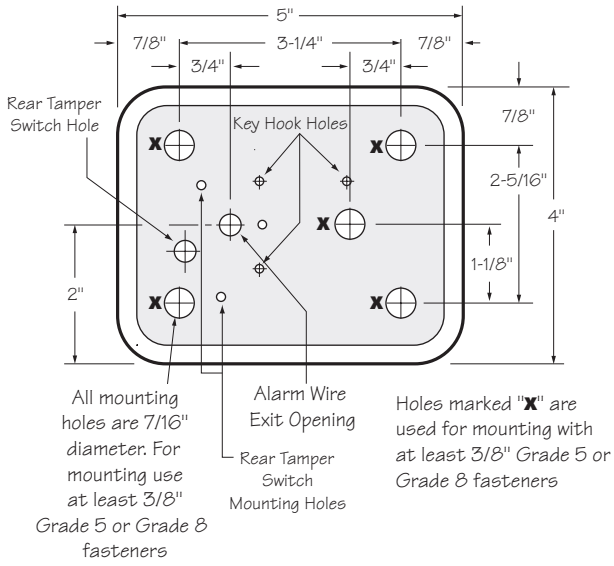
Suggested minimum mounting height
6 feet above ground



3200 Series Hinged Door Surface Mount

3200 Series Hinged Door Recess Mount

Inside View



Attention: KNOX-BOX® is a very strong device that MUST be mounted properly to ensure maximum security and resist physical attack.

Knox® Rapid Entry System
The Knox Company manufactures a complete line of high security products including Knox-Box key boxes, key vaults, cabinets, key switches, padlocks, locking FDC caps, plugs and electronic master key security systems. For more information or technical assistance, please call Customer Service at 1-800-552-5669.

Recessed Mounting Kit

The 3200 Recessed Mounting Kit (RMK) is used for recessed models only. It contains a shell housing and mounting hardware to be cast-in-place in new concrete or masonry construction. After construction is completed, the KNOX-BOX mounts inside the RMK. The RMK may only be used in new concrete or masonry construction.

Installation In Cast Concrete

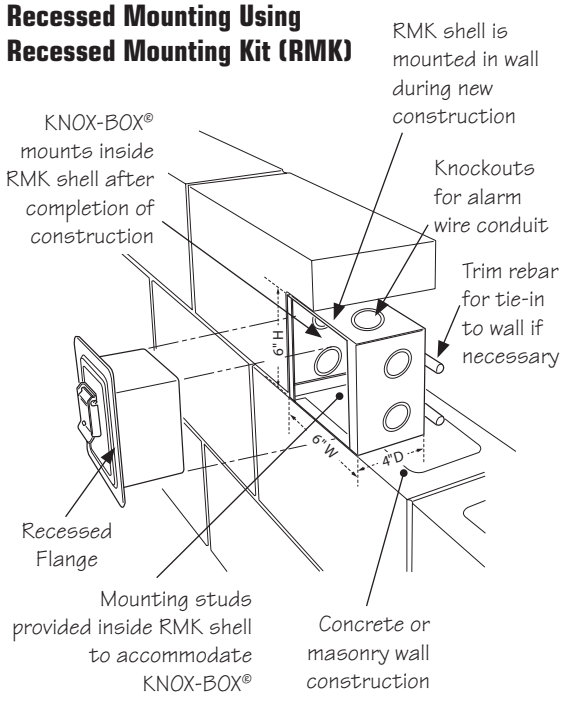
The optional Recessed Mounting Kit is for use in new concrete or masonry construction only. The kit includes a shell housing and mounting hardware to be cast-in-place. The KNOX-BOX is mounted into the shell housing after construction is completed.

Dimensions

Rough-in Dimensions: 6-1/2"H x 6-1/2"W x 5"D

IMPORTANT: Care should be taken to insure that the front of the RMK shell housing, including the cover plate and screw heads, is flush with the finish wall. The RMK must be plumbed to insure vertical alignment of the vault.

Recessed Mounting Using Recessed Mounting Kit (RMK)



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Sequence of Operations

	Audio/visual activation at FACP	Activate audible/visual signal at FACP & Annunciator	Device Description at FACP	Log event in system history	Silence of audible devices Including FACP & annunciator	Event acknowledgement	Reset of all system functions and all visual devices	Remote transmission to Central Station A=alarm; T=trouble; S=Supervisory; L = log only	Remote indicator
Manual Pull Station at FACP	X	X	X	X				A	
Smoke detector at FACP	X	X	X	X				A	
Sprinkler flow or pressure switches	X	X	X	X				A	
Sprinkler Tamper, low temp, or low air		X	X	X				S	
FACP/annunciator silence button		X	X	X	X			L	
FACP/annunciator acknowledge button		X	X	X		X			
FACP/annunciator reset button		X	X	X			X	L	
Removal of any device		X	X	X				T	
Ground fault		X	X	X				T	
System wiring "open"		X	X	X				T	
AC Power loss		X	X	X				T	
Secondary power loss		X	X	X				T	
Telephone line loss		X	X	X				T	

Battery Circuit Calculations

Before selecting the battery, it is important to determine the minimum size batteries for standby and alarm times desired for each application. If the wrong batteries are installed in a specific application or incorrect current draw used, the proper standby and minimum alarm time will not be present.

The battery circuit is rated for 8 to 18 AH batteries and swill operate the panel alarm for at least 24 hours and 5 minutes. The cabinet will house up to two (2) 8 AH or two (2) 18 AH batteries.

Please use the worksheet shown below to calculate the battery size and current draw required for each application:

Battery Calculation Worksheet

Description	Quantity	Standby (mA)	Total Standby (mA)	Alarm (mA)	Total Alarm (mA)
Main board (PFC-6006)	1	105	105	160	160
LCD Remote RA-6075 or RA-6006		20		25	
Input Circuit #1					
Input Circuit #2					
Input Circuit #3					
Input Circuit #4					
Input Circuit #5					
Input Circuit #6					
NAC 1	1				1000
		Total (ma)	105	Total (ma)	1160
		Convert to Amps	x 0.001	Convert to Amps	x 0.001
(*Refer to maximum allowable standby current) Total A:			.105	Total A:	1.16
Multiply by standby hours			x24	60 minutes per hour Alarm time (minutes) *Example:* 5 minute alarm: enter 12	÷12
Total Standby AH			2.52	Total Alarm AH	0.10
				+Total Standby AH	2.52
				Total AH	2.62
				Efficiency Factor	÷ 0.85
				Required AH	3.08

*Maximum Allowable Standby Current (UL 24-Hour standby time)	
7 AH	.244 A
12 AH	.421 A
18 AH	.634 A

Important Notes:

1) FACP enclosure can house up to two (2) 18 AH batteries.
2) NFPA 72 requires 24 hours of standby power followed by 5 minutes of alarm activation.
3) Door holder circuits configured to disconnect upon AC loss need not be included in the battery standby calculation since they will not draw power during that time. Door holders will contribute to standby current draw when AC is present.
4) Total current must not exceed power supply rating (2A on PFC-6006).
5) LED/Relay current must be accounted for in the battery calculation for the supplying source.

(1) GENERAL NOTES:

A. FIRE ALARM SYSTEM WIRING SHALL COMPLY WITH THE NATIONAL ELECTRICAL CODE, APPLICABLE STATE AND LOCAL CODES, AND SHALL BE COORDINATED WITH THE LOCAL AUTHORITY HAVING JURISDICTION.

B. CAUTION: DO NOT CONNECT ANY POWER TO THE CONTROL PANEL (BATTERIES OR 120V AC) UNTIL ALL OTHER FIELD WIRING IS TESTED AND CONNECTED.

C. DO NOT INSTALL FIRE ALARM CONTROL PANEL OR SMOKE DETECTORS IN AN UNHEATED AREA.

D. DO NOT INSTALL ANY AC CURRENT-CARRYING CONDUCTORS CLOSE TO OR IN THE SAME RACEWAY WITH FIRE ALARM SYSTEM CONDUCTORS.

E. SOLID LINES REPRESENT CONNECTIONS TO BE MADE BY THE SYSTEM INSTALLER.

F. ALL RELAYS ARE SHOWN IN NORMAL SUPERVISORY CONDITION. ALL RELAYS ARE FORM "C" TYPE.

G. STROBES INSTALLED IN BEDROOMS SHALL BE LOCATED IN A SYMMETIRCAL MANNER DOWWN CENTER OF HALL WAY WHEN POSSIBLE

INSTALLATION NOTES

A. SMOKE DETECTORS SHALL NOT BE MOUNTED ANY CLOSER THAN 3' FROM ANY AIR DUCT OPENINGS

B. ELEVATOR LOBBY SMOKE DETECTORS SHALL BE MOUNTED WITHIN 10' OF THE ELEVATOR DOOR

C. MANUAL PULL STATIONS SHALL BE MOUNTED PER ADA REQUIREMENTS: 48" AFF OR 42" AFF TO COMPLY WITH SIDE/FRONT REACH REQUIREMENTS

D. WALL MOUNTED HORN/STROBES & STROBES SHALL BE MOUNTED 6" FROM CEILING, OR 96" TO 80" AFF TO THE CENTER OF STROBE

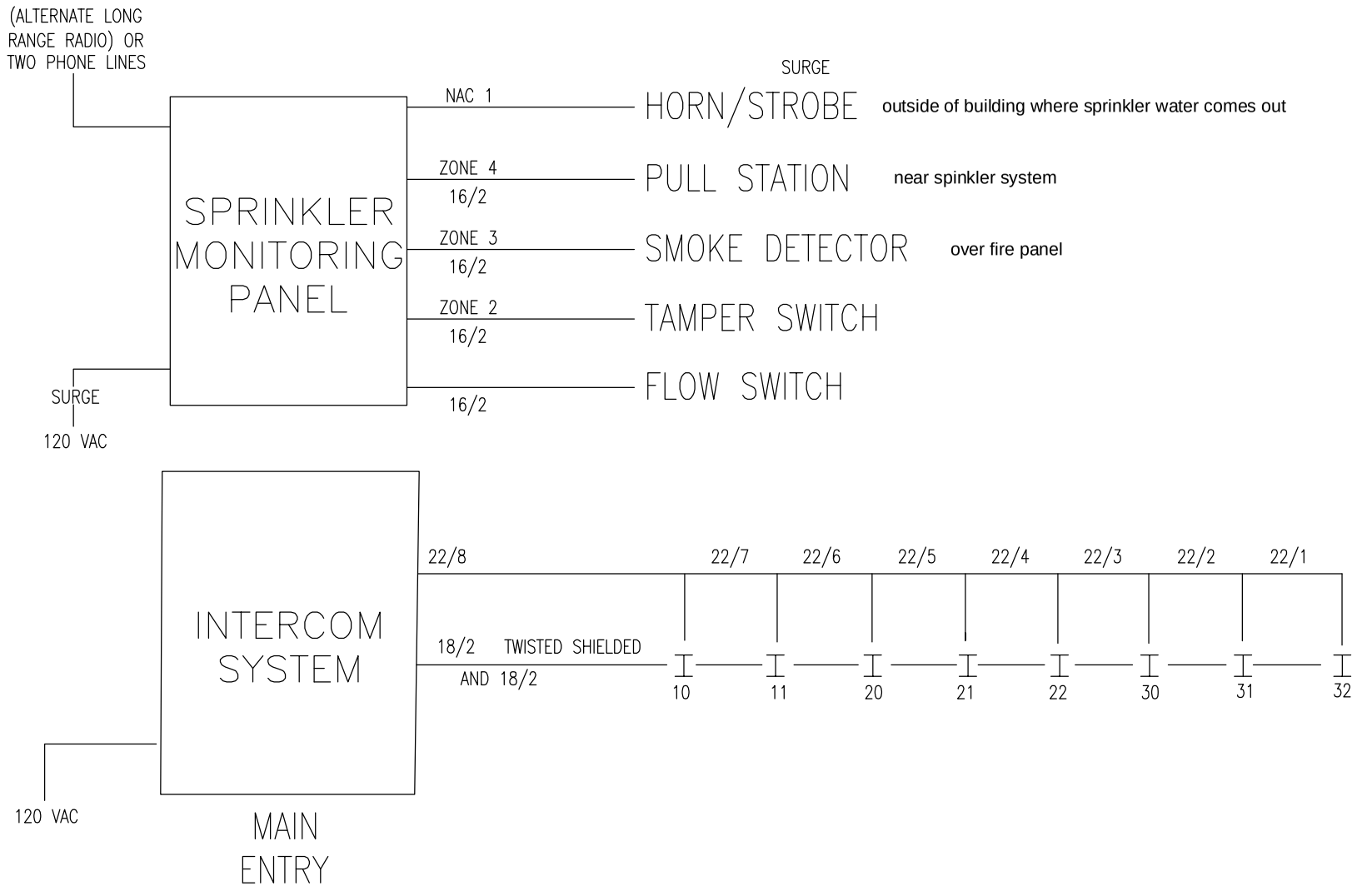
E. HORN/STROBES & STROBES SHALL BE MOUNTED 15' FROM THE CORNER OF THE WALL. IF THIS IS NOT POSSIBLE, DEVICE SHALL BE CENTERED ON THAT WALL.

F. CEILING MOUNTED HALLWAY DEVICES SHALL BE LOCATED IN A SYMMETRICAL MANNER DOWN CENTER OF HALLWAY WHEN POSSIBLE

(2) SEE INITIATION CIRCUITS AND NAC CIRCUITS FOR INTEGRATION OF BOTH SLC AND NAC CIRCUITS
(3) ALL CABLING IS 14/2 FOR THE NAC CIRCUITS UNLESS OTHERWISE SHOWN
(4) ALL CABLING IS 16/2 FOR THE SLC CIRCUITS UNLESS OTHERWISE SHOWN
(5)

AC = ALARM CONTROL MODULE
R – ARM = ADDRESSABLE RELAY MODULE
AV = AUDIO VISUAL DEVICE (SET TO 75cd UNLESS NOTED OTHERWISE)
B = EXTERIOR BEACON
CO = CO DETECTOR
D = DUAL MODULE
DUCT=DUCT DETECTOR MINI MODULE
F = FLOW
FACP = MAIN FIRE PANEL
FS = FIRESMART SMOKE DETECTOR
H = HEAT DETECTOR
I = ISOLATION MODULES
T.S. = TWISTED SHIELDED
S/CO = SMOKE/CO DETECTOR (OOHC941)
RL = REMOTE LIGHT
(F) = FIRE EXTINGUSHER MONITORING

K = KNOX BOX
LP = LOW AIR
MM = MINI MODULE
P = PULL STATION MINI MODULE
PS = PRESSURE SWITCH
RI = REMOTE INDICATOR
S = SMOKE
SA = SMOKE WITH AUDIBLE BASE
T= TAMPER
TS = TEST SWITCH
V = VISUAL DEVICE ONLY (SET TO 75cd UNLESS NOTED OTHERWISE)
MH = MINI HORN
RTS = REMOTE TEST MODULE
PS = PULL STATION
CL = CORRIDOR LIGHT
CO = CO DETECTOR (REQUIRES 24 VDC POWER)
SCM = INPUT MODULE



CONSULTANT:
FIRE - SECURITY ACCESS - CCTV
[illegible] ONE
FALMOUTH, ME 04105
Phone: (207) 7[illegible]
Fax: (207) 781-2064

PROJECT:
ADAM'S APPLE
65 MUNJOY STREET
Portland, Maine 04101

DRAWING:
RISERS

REVISIONS

DATE: 01/18/17
SCALE: NTS
DRAWN BY: SSA
APPROVED BY: –
SHEET: 1

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