

08-140



1. Proposed Work Site at: 51 Chamber Bridge RD

2. Name of Owner in Fee: SATL BRICIC VC Tel. (703) 544-1818
Address 525 River Rd. Edgewater, NJ 07024
street municipality zip code

3. Ownership in Fee: Public Private X

4. Principal Contractor: Ken Protection Plus Tel. (732) 968-8446
Address 312 RIVINGTON AVE MIDDLESEX NJ 08846
License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____
Federal Employee No. _____ FAX: (_____) _____

5. Architect or Engineer _____ Tel. (_____) _____
Address _____

6. Responsible Person in Charge of Work LEN DERASMO
Tel. (732) 968-8446 FAX (732) 926-9649

Fire Alarm system

1.	Building	\$		
2.	Electrical			
3.	Plumbing			
4.	Fire Protection		25	
5.	Elevator Devices			
6.	Subtotal	\$		
7.	Less 20% for State Plan Review			
8.	Subtotal	\$		
9.	DCA Training Fee		2	
10.	Subtotal			
11.	Cert. of Occupancy			
12.	Other		31	
13.	TOTAL	\$		

1. Number of Stories _____
2. Height of Structure _____ ft.
3. Area — Largest Floor _____ sq. ft.
4. New Building Area _____ sq. ft.
5. Volume of New Structure _____ cu. ft.
6. Construction Classification _____
7. Total Land Area Disturbed _____ sq. ft.
8. Flood Hazard Zone _____
9. Base Flood Elevation _____ ft.
10. Wetlands yes _____
 no _____
11. Max. Live Load _____
12. Max. Occupancy Load _____

(office use only)

1. ☐ Minor Work
2. ☐ New Building
3. ☐ Addition
4. ☐ Alteration
5. ☒ Fire Protection
6. ☐ Plumbing
7. ☐ Electrical
8. ☐ Elevator Devices
9. ☐ Asbestos Abat. Subch. 8
10. ☐ Lead Hazard Abatement
11. ☐ Demolition

TOTAL COSTS

- ☐ Partial Releases
- ☐ Prototype Processing

[illegible]

1. ☐ Elevators/Escalators/Lifts/
Dumbwaiters/Moving Walks

2. ☐ High Pressure Boilers

3. ☐ Pressure Vessels

4. ☐ Refrigeration Systems

5. ☐ Cross-Connections/Backflow Preventers

6. ☐ Hazardous Uses/Places of Assembly

7. ☐ Sprinklers

8. ☐ Smoke Control Systems in Open Wells

9. ☐ Underground Storage Tanks

1. ☐ Hotels (R-1)
2. ☐ Multi-Family (R-2)
3. ☐ Two-Family (R-3) BOCA
4. ☐ Two-Family (R-4) CABO
5. ☐ One-Family (R-3) BOCA
6. ☐ One-Family (R-4) CABO

No. of dwelling units:

Before Construction

After Construction

Net Gain or Loss

B. NON-RESIDENTIAL

1. State Specific Use:

2. Use Group:

3. Change in Use Group, Indicate Former:

OFFICE DATE RECEIVED:

VIII. PRIOR APPL CHE (office) LOCAL COUNTY

- ☐ Zoning Of
- ☐ Planning
- ☐ Zoning Bc
- ☐ Sewer Au
- ☐ Water Au
- ☐ Police De
- ☐ Health Di
- ☐ Soil Con
- ☐ N.J. Dep Commur
- ☐ N.J. Dep Transportation
- ☐ N.J. Department of Environmental Protection
- ☐ Utility Dig No.
- ☐
- ☐

Kevin/Ron -
How do I ~~know~~ price
the info noted in other
on counter form?

Called 4/29/02
MP

04.29.02
1- File tech is
in complete.
what do I
input into
computer?

IX. SUBCODES AND SPECIAL REGULATIONS APPLICABLE (office use only—optional)

Name of Code & Edition

Building
Electrical
Plumbing
Fire Protection
Mechanical

Energy
Barrier Free
Flood Hazard
As Built Elevation Cert.
Other

X. CERTIFICATES ISSUED (office use only)

- ☐ Temporary Certificate of Occupancy
- ☐ Temporary Certificate of Compliance
- ☐ Continued Certificate of Occupancy
- ☐ Certificate of Compliance
- ☐ Certificate of Occupancy
- ☐ Certificate of Approval
- ☐ Lead Abatement Clearance Certificate

DATE ISSUED

DATE EXPIRED

DATE REISSUED

DATE EXPIRED

No.
No.
No.
No.
No.
No.
No.

CERTIFICATION IN LIEU OF OATH

I. OWNER SECTION (to be completed if the applicant is the owner in fee)

I hereby certify that I am the owner in fee of the property listed on Page 1.

Mark the following applicable boxes:

- A. ☐ I further certify that a new home (private residence) will be constructed on this property for my own use and occupancy. This dwelling is to be occupied by myself and is not to be used for any purpose other than single family residential use. I attest that all construction, plumbing, or electrical work will be done, in whole or in part, by me or by subcontractors under my supervision, in accordance with all applicable laws; and, I further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.S.A. 46:3B-1 et seq.) and that such fact shall be disclosed to any person purchasing this property within ten years of the date of issuance of a certificate of occupancy.

I UNDERSTAND THAT IN MARKING BOX A, I ACKNOWLEDGE THAT I AM ASSUMING RESPONSIBILITY FOR THE WORK DONE ON SAID PROPERTY, THE CONDITION OF THE PROPERTY PRIOR TO, DURING, AND AFTER ANY WORK PERFORMED, AND FOR THE PERFORMANCE OF THE SUBCONTRACTORS I HIRE, EMPLOY, OR OTHERWISE CONTRACT OR WITH WHOM I MAKE AGREEMENTS TO PERFORM WORK. I AM VOLUNTARILY AND KNOWINGLY ASSUMING THIS RESPONSIBILITY.

- B. ☐ I further certify the following as required by the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)1.vii:

I personally prepared the plans submitted for: 1) the new home referred to in A.; or, 2) an addition, alteration, renovation, or repair to an existing single family residence owned and occupied by myself and located on the property listed on Page 1; or, 3) a new structure that will be physically separate from, but that will be deemed part of, an existing single family residence that is owned and occupied by myself and located on the property listed on Page 1.

- C. ☒ I further certify that I will perform or supervise the following work:

C.1. ☐ Building C.2. ☒ Fire Protection

I further certify that I will perform the following work:

C.3. ☐ Electrical C.4. ☐ Plumbing

- D. ☐ I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I understand that if any of the above statements are willfully false, I am subject to punishment.

Signature

Date

4/25/02

II. AGENT SECTION (to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the Uniform Construction Code, N.J.A.C. 5:32-2.15(d): the proposed work is authorized by the owner in fee; and I have been authorized by the owner in fee to make this application as his agent.

I further certify the following as required by the Uniform Construction Code, N.J.A.C. 5:23-2.15(a)5: All required State, county, and local prior approvals have been given, including such certification as the construction official may require.

I agree to advise all contractors on this project that they are required to be registered with the New Jersey Division of Taxation and to comply with all New Jersey tax laws.

I understand that if any of the above statements are willfully false, I am subject to punishment.

☒ Check if contractor.

Agent Name

PROTECTION PLUS

Address

312 RUMYON AVE

MIDDLETOWN NJ 08846

Telephone

(732) 968 8446

Signature

Se

III. ☐ LEAD HAZARD ABATEMENT: Include Homeowner or Building Owner Affidavit as per N.J.A.C. 5:17.

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

Date Issued 05/22/2002
Control #
Permit # 02-1768

UCC NEW JERSEY
CONSTRUCTION
PERMITS

IDENTIFICATION Block 672 Lot 0 Qual

Work Site Location BRICK BLVD
FIRE ALARM SYSTEM
Owner in Fee SLH BRICK LLC/CHRISTIAN FIRE
Address 525 RIVER RD
EDGEWATER, NJ 07724-
Telephone 17321544-1812

Contractor JEWELL CON/PROTECTION PLUS
Address 312 RUMYON AVE
MIDDLESEX, NJ 08846-
Telephone 17321968-8446
Lic. No. or Bldrs. Reg. No.
Federal Exp. No. 14-2762980

Ia hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ LEAD HAZARD ABATEMENT
☐ ELECTRICAL ☒ FIRE PROTECTION ☐ DEMOLITION
☐ ELEVATOR DEVICES ☐ ASBESTOS ABATEMENT ☐ OTHER
(Subchapter B only)

DESCRIPTION OF WORK:
FIRE ALARM SYSTEM

NOTE: If construction does not commence within one (1) year of date of issuance,
or if construction ceases for a period of six (6) months, this permit is void.

Estimated Cost of Work \$ 2,000

Alfred J. Howman
Construction Official

05/22/2002

Date

U.C.C. F170 (rev. 3/96)

PAYMENTS (Office Use Only)

Building 0
Electrical 0
Plumbing 0
Fire Protection 35
Elevator Devices 0
Other
OCA Training Fee 2
Cert. of Occupancy 0
Other
Total 37
Check No. 1110
Cash
Collected By BC

0021768

TYPE 355.00
PCA 42.00
TOTAL \$397.00
CHECK 357.00
CHANGE 40.00

TOWNSHIP OF BRICK
401 CHAMBERS BRIDGE RD
DIVISION OF INSPECTIONS

UCC NEW JERSEY
FIRE PROTECTION
SUBCODE
TECHNICAL SECTION

Date Received 04/25/2002
Date Issued 5-22-02
Control # C29-8
Permit # 02-1228

A. IDENTIFICATION-APPLICANT: COMPLETE ALL APPLICABLE INFORMATION, WHEN CHANGING
CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000

Block 672 Lot 8

Work Site Location BRICK RD

Owner in Fee S&B BRICK LLC/CHRISTIAN FIRE

Address 525 RIVER RD
EDGEWATER, NJ 07724

Tele: (732) 968-8446 Fax ()

Contractor JEWELL CON/PROTECTION PLUS

Address 312 RUNYON AVE

MIDDLESEX, NJ 08846

Tele: (732) 968-8446

Lic. No. or Bldgs. Reg. No.

Federal Emp. No. 14-2762980

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present U Proposed U

Constr Class Present Proposed

Heating Systems () New () Existing () HVAC

Type: () Gas () Oil () Elect () Solar

() Other

Location:

Total Est Cost of Fire Prot Work \$ 2,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW

() No Plans Required

Joint Plan Review Required:

() Bldg () Elect

() Plumb () Elevator

() Fire Plans Approved

Date: 5-30-02

Approved By: [Signature]

SUBCODE APPROVAL

() CO () CCO () CA

Date: 5-30-02

Approved By: [Signature]

INSPECTIONS

Type

Alarm Sys

Super Test

Standpipe

Fire Pump

Prebldg Sys

Mechanical

Smoke Ctl

TCO

Final

Other

Dates (Month/Day)

Failure Failure Approval Initial

5-22-02 5-30-02

D. TECHNICAL SITE DATA

Description of Work:

Water Supply Source

Method of Alarm/Suppr Sys Superv

Storage Tanks

Type: () Flammable Liquid () Combust Liquid

() LPG () LNG Capacity 0 Fuel

Alarm Systems () 110V Interconnected NUMBER

() System

Alarm Devices (smoke, heat, pulls, water/flow)

Supervisory Devices (tamper, low/high air)

Signalling Devices (horn/strobes, bells)

Other Devices

TOTAL

Suppression Systems

Fire Pump 0 GPM Type

Dry Pipe/Alarm Valves

Pre-action Valves

Sprinkler Heads (Dry and Wet)

Standpipes

Pre-Engineered Systems

Wet Chemical

Dry Chemical

CO2 Suppression

Foam Suppression

Halon Suppression

Other

Kitchen Hood Exhaust System

Smoke Control System

Gas () or Oil () Fired Appliances

Other

Other

FEE (Office Use Only)

[Handwritten notes and signatures]

Administrative Surcharge \$

Paid () Check #

Minimum Fee \$

Collected by: DCA Training Fee \$



Fire-LITE® Alarms
A PITTMAN COMPANY

July 29, 1999

F-100

BG-10 Series Manual Fire Alarm Stations

Section: Conventional Initiating Devices

GENERAL

The Fire-Lite BG-10 Series Manual Fire Alarm Stations provide dual-action, normally-open contact alarm initiating points for use with UL listed fire alarm control panels. The BG-10 Series features non-coded, dual-action operation.

FEATURES

- Within ADA 5 lb. pull force when used without break-tube (models manufactured after 10-1-96, identified by an ⓧ under station spring).
- Impact-resistant, durable LEXAN® (or polycarbonate equivalent) housing.
- Back plate made of 16 gauge steel.
- Highly visible.
- Easily operated.
- Attractive shape with textured finish.
- Semi-flush or surface mounting.
- Operates with or without a break tube.
- Handle latches in **down** position to clearly indicate that the station has been operated.
- Optional lock with standard Fire-Lite key.
- Optional N.O. contact for auxiliary functions.
- Optional pre-signal circuit.
- Spanish (*FUEGO*) version available.

APPLICATIONS

The BG-10 Series manual fire alarm stations are intended for use as fire alarm initiating devices, with any fire alarm initiating circuit to be operated by a contact closure. The stations are for indoor or outdoor (BG-10WP) use and should be installed in compliance with applicable NFPA standards, local building codes, and plans and specifications.

INSTALLATION

The BG-10 Series manual fire alarm stations mount to standard single-gang electrical boxes. A terminal block with screws allows for fast and easy wiring.

OPERATION

Pulling the handle down causes the BG-10 to latch in the down position and to close the normally-open switch. The handle is restored manually by unscrewing the allen-head screw so the top of the case can pivot forward, allowing the spring-loaded handle to return to its normal position. The case can then be pivoted back to its normal position and secured with the allen-head screw.

The BG-10L utilizes a mechanical key instead of the allen-head screw.

The BG-10P/T has a normally-open auxiliary switch which is closed by rotating a key clockwise. (The key is non-removable in this position.)



S711



CS115



California
State Fire
Marshal
7150-0075:103



0G5A5.AY

ADA



SPECIFICATIONS

Physical:

	BG-10	SB-10	WP-10
Height	5.500 inches (139.700 mm)	5.500 inches (139.700 mm)	6.000 inches (152.400 mm)
Width	4.125 inches (104.775 mm)	4.125 inches (104.775 mm)	4.690 inches (119.126 mm)
Depth	1.375 inches (34.925 mm)	1.375 inches (34.925 mm)	2.000 inches (50.800 mm)

51203dim.tbl

Electrical:

Current Capacity: 3 Amps @ 30 VRMS.

LEXAN® is a registered trademark of GE Plastics, a subsidiary of General Electric Company.

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 Fire-Lite. Phone: (203) 484-7161 FAX: (203) 484-7118



Fire-LITE® Alarms
A PITTMAN COMPANY

One Fire-Lite Place, Northford, Connecticut 06472

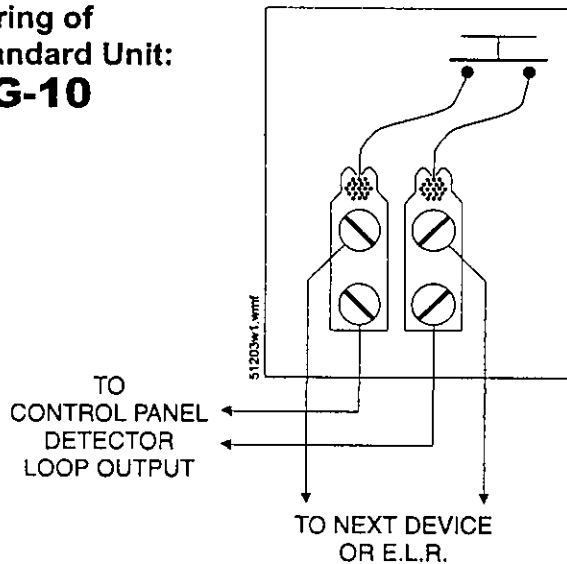
ISO-9001

Engineering and Manufacturing
Quality System Certified to
International Standard ISO-9001



Made in the U.S.A.

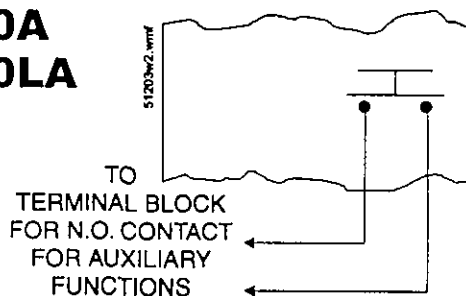
Wiring of Standard Unit: BG-10



The BG-10SP

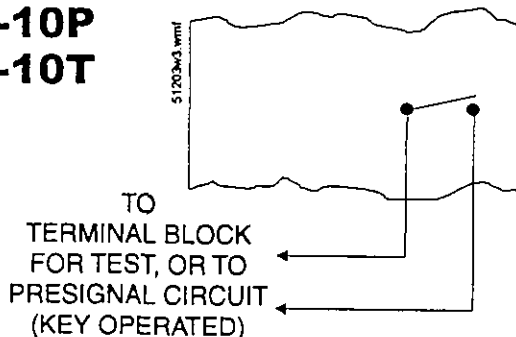
Additional Switch Included With Models:

BG-10A BG-10LA



Additional Switch (Key-Operated) Included With Models:

BG-10P BG-10T



PRODUCT LINE INFORMATION

Model	Description
BG-10	Standard unit. Dual action. Works with or without a crush tube. Includes a terminal block with screws for fast and easy wiring.
BG-10A	Standard unit plus an auxiliary N.O. switch to provide annunciator contacts.
BG-10T	Standard unit plus key-test feature.
BG-10P	Standard unit plus N.O. switch for pre-signal operation.
BG-10L	Standard unit plus key locking feature.
BG-10LA	Standard unit plus an auxiliary N.O. switch to provide annunciator contacts, plus key locking feature.
BG-10WP	Standard unit with a weather gasket (BG-10W). Includes appropriate surface backbox (WP-10) for outdoor applications.
BG-10SP	Spanish version of standard unit. Dual action. Works with or without a crush tube. Includes a terminal block.
WP-10	Surface backbox for outdoor applications (used with/included with BG-10WP).
SB-10	Surface-mount backbox for all BG-10 models.
BG-TR	Optional trim ring.

5120311.104

ARCHITECTURAL/ENGINEERING SPECIFICATIONS

Manual Fire Alarm Stations shall be non-coded, break-tube (or non-crush tube) type, with a key-operated test-reset lock (or Hex reset) in order that they may be tested, and so designed that after actual Emergency Operation, they cannot be restored to normal except by use of a key (or Hex). An operated station shall automatically condition itself so as to be visually detected, as operated, at a minimum distance of 100 feet (30.48 meters), front or side. Manual Stations shall be constructed of LEXAN® (or polycarbonate equivalent) with clearly visible operating instructions on the front of the stations in raised letters, 1.75 inches (44.45 mm) or larger. Stations shall be suitable for surface mounting on matching backbox, or semi-flush mounting on a standard single-gang box, and shall be installed within the limits defined by the Americans with Disabilities Act (ADA) dependent on manual station accessibility or per local requirements. Manual Stations shall be Underwriters Laboratories listed.

VISTA-128FB V128FB-24

COMPATIBLE DEVICES

See ADEMCO Group control accessories compatibility chart for complete list

Auxiliary devices:

- ◇ 6139R - red alpha keypad/annunciator
- ◇ 5140LED - LED annunciator module
- ◇ 4204 - relay module, four form C contacts
- ◇ 4204CF - two supervised output circuits
- ◇ 5881Series - RF receiver supporting 5800 wireless detectors
- ◇ 6220S - system printer used with 4100SM serial module

Two-wire smoke detectors conventional:

- ◇ 2100 Series Photoelectric
- ◇ 2400 Series Photoelectric
- ◇ 1100 Series Ionization

Four-wire smoke detectors conventional:

- ◇ 2112/24 Series Photoelectric
- ◇ 1412 Series Ionization

Horn/Strobes:

- ◇ System Sensor Notification Appliances

Manual pull stations:

- ◇ 5140MPS Series
- ◇ MPS-5

V-Plex (addressable) devices:

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

V-Plex (addressable) Smoke Detectors:

- ◇ 4192M Series

Passive infrared detectors:

- ◇ 998MX
- ◇ 4275EX
- ◇ 4287EX-SN

V-Plex (addressable) Contacts:

- ◇ 4194WH
- ◇ 4939SN
- ◇ 4944SN
- ◇ 4959SN

Glass break detectors:

- ◇ 7500
- ◇ 9500

VISTA interactive phone module

- ◇ 4285 VIP Module

Optional 24V power supply

- ◇ PS24 - 24V power supply - 3.4A

Long range radio:

- ◇ 7720 - Long range radio

Software:

- ◇ Compass Downloader - Windows compatible

Wireless devices:

- ◇ 5804BD - Bi-directional key
- ◇ 5808 - Wireless smoke detector with sounder
- ◇ 5808C - Wireless smoke detector without sounder
- ◇ 5809 - Wireless heat detector
- ◇ 5816 - Door/window transmitter
- ◇ 5804 - Wireless key
- ◇ 5827BD - Bi-directional keypad
- ◇ 5890 - PIR
- ◇ 5849 - Glass break detector
- ◇ 5819 - Shock sensor

Ordering Information

Part No.	Description
VISTA-128FB	Commercial Fire and Partitioned Burglary Alarm Control
V128FB-24	Commercial Fire and Partitioned Burglary Alarm Control 24V Model

- ◆ Scheduled uploading of events to central station
- ◆ Stored events for one call retrieval
- ◆ Communication
 - Phone mapping by zone response type
 - Supports VIP interactive phone voice module
 - Panel operation during download
 - Uploading equipment list to central station
 - Communication to PassPoint via VISTA Gateway Module

APPLICATIONS

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

INSTALLATION

The VISTA-128FB alarm system has been designed to mount both quickly and easily in an attack resistant cabinet. It meets all applicable requirements for UL commercial Burglary installations.

SPECIFICATIONS

Electrical:

Primary power:

— 16.5VAC @ 40VA ADEMCO No. 1361

Quiescent current draw:

— 250mA

Backup battery:

— 12VDC, 7AH min to 17.2AH max

— Lead acid battery (gel type)

Alarm power:

— 12VDC, 1.7A max for the notification (bell) circuit output

— 12VDC, .75A max for fire/burg applications

Aux. standby pwr:

— 12VDC, .75A max

Total power:

— 2.3A at 12VDC, from all sources

Standby time:

— See installation instructions for calculating stand-by battery requirements

Fusing:

— Battery input, aux. and notification (bell) circuit outputs are protected using PTC circuit protectors. All outputs are power limited.

Main Dialer:

Line seize:

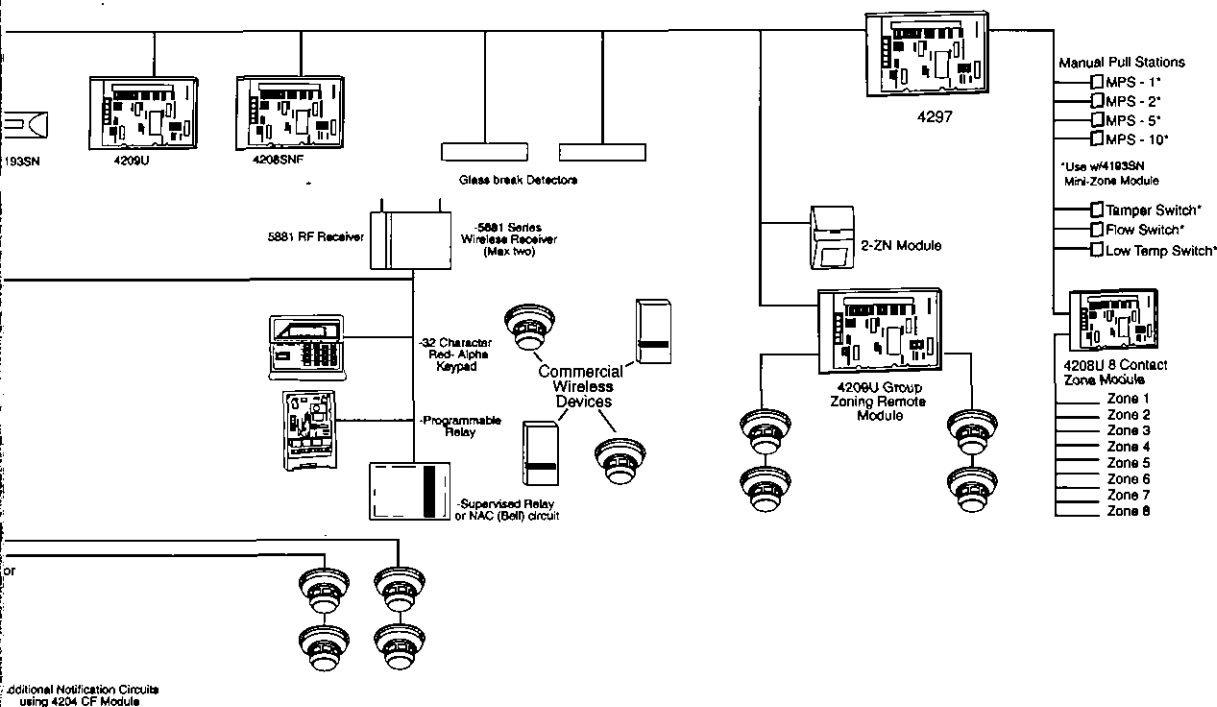
— Double Pole

Ringer equiv.:

— 0.7B

Formats:

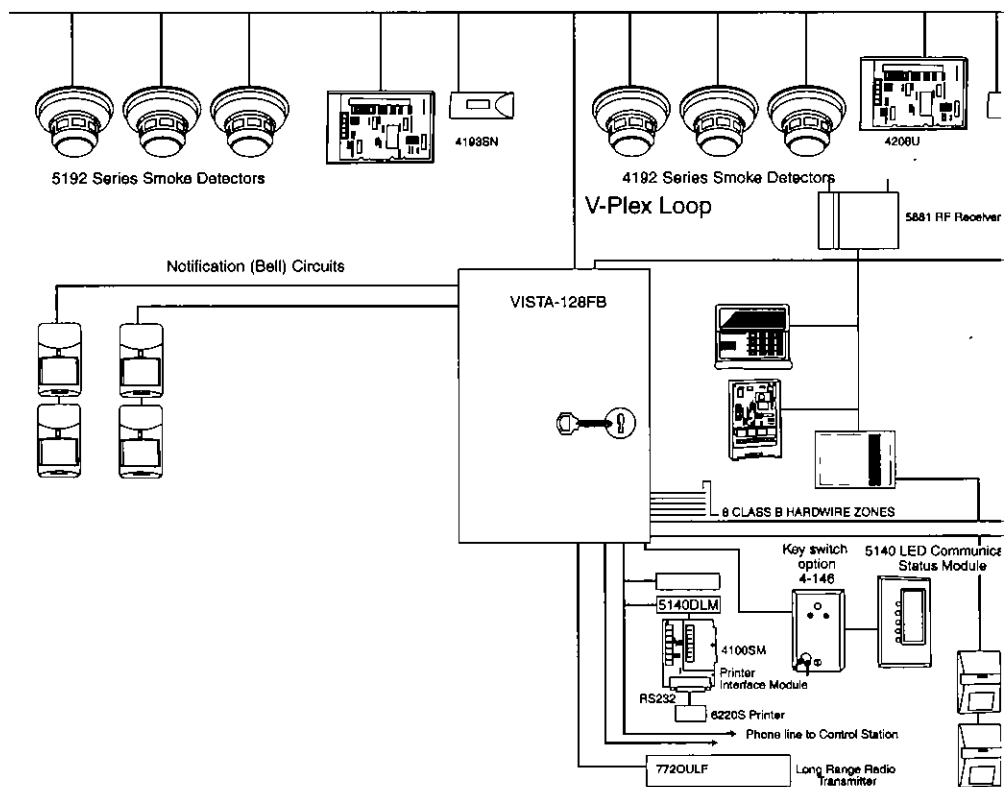
— ADEMCO Low Speed, ADEMCO 4+2 Express, ADEMCO High Speed, ADEMCO Contact ID, Sescóa and Radionics



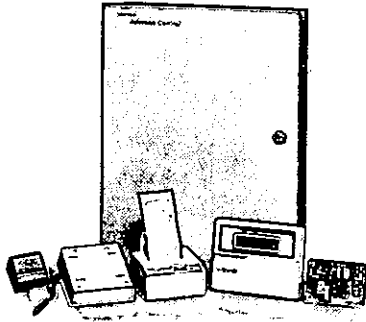
VISTA-128FB V128FB-24

ADDITIONAL FEATURES

- ◆ Notification Appliance Circuit:s (two)
 - Programmable
 - Temporal code compliant
 - Individually silenceable
- ◆ Programmable on-board auxiliary relay
- ◆ SIA false alarm reduction features:
 - Exit error logic
 - Exit delay reset
 - Cross zoning
 - Call waiting defeat
 - Recent close report
- ◆ Supports commercial hardwired, addressable V-Plex polling loop and wireless zones
- ◆ Hardwired zones
 - Provides nine style B hardwired zones
 - EOLR supervised for Fire and UL burglary installations
 - Supports N.O or N.C. sensors
 - Individually assignable to one or all eight partitions
 - Up to 16 two-wire smoke detectors on zone one
 - Up to 50 two-wire glass break detectors on zone eight
- ◆ Patented addressable V-Plex polling loop technology
 - Supports up to 120 two-wire multiplex zones/points
 - Global polling technology for faster processing
 - Increased current draw capacity (128mA)
 - Supervised by panel
- Individually assignable to partitions, notification circuit (bell) output or aux relay
- 4,000 ft capability without the use of shielded cable
- Extender/Isolation bus module
- Individually assignable to partitions, notification circuit (bell) output or aux relay
- 4,000 ft capability without the use of shielded cable
- Extender/Isolation bus module
- Two-wire smoke detector zone/group expansion module adds two or four zones
 - Eight zone - Class A and B extender module
 - Eight zone - Class B extender module
 - One zone supervised contact monitor module
- ◆ UL Listed wireless expansion
 - Supports up to 128 wireless zones using 5881 receiver
 - Supervised by control for check-in signals
 - Tamper protection for transmitters
 - Individually assignable up to eight partitions
 - Supports UL864/NFPA approved wireless smoke detectors
- ◆ Access control integration
 - Full integration with PassPoint Access Control System Complete Gateway interface of VISTA and access functions
- ◆ Event reporting
- ◆ Local printer of access or VISTA related event



VISTA-128FB V128FB-24



The VISTA-128FB is a Commercial Fire and Burglary Alarm Control interfacing with Access Control to provide complete protection of life and property. The Vista-128FB now features automatic smoke detector calibration maintenance alert for its addressable V-Plex™ and wireless commercial photoelectric detectors. The alarm control offers eight partitions in a UL Listed Commercial Fire and Burglary control panel supporting up to 128 zones/points using hardwired, compatible wireless devices and addressable V-Plex technologies. It also supports initiating and notification circuits, digital dialers, keypads, RF receivers and relays. In addition, the control supports scheduling capabilities. Defined operations can be automated by pressing a single keypad button to enable user defined macros. The VISTA-128FB is available in 12V and 24V models.

FEATURES

- ◆ Eight zones standard expandable to 128 zones/points
- ◆ Eight partitions
- ◆ 150 user codes
- ◆ Two on-board notification (bell) circuit delivering 1.7A at 12V for burglary applications
- ◆ Supports in excess of 1,000 two-wire smoke detectors
- ◆ Seven authority levels
- ◆ Automatic addressable V-Plex and wireless commercial smoke detector maintenance reporting
- ◆ Optional gateway for high power access control integration (pending)
- ◆ Event logging storage, printing and retrieval
- ◆ Automatic scheduling features
- ◆ Easily programmed and maintained through Compass Windows™ based software
- ◆ Uses existing wiring for retrofit applications

SPECIFICATIONS

Cabinet dimensions:

18"H X 14.5"W X 4.3"D

Environmental:

Storage temp:

-10°C to 70°C

Operating temp:

0°C to 50°C

Humidity:

85% RH

EMI:

Meets or exceeds the following requirements:

- FCC Part 15, Class B Device
- FCC Part 68
- IEC EMC Directive

AGENCY LISTINGS

Burglary:

UL609 Grade A Local Mercantile Premises and Mercantile Safe and Vault

UL611/1610 Grades A, AA, Central Station

UL365 Grades A, AA Police Connect

Fire:

UL864/NFPA72 Local, Central Station and Remote Station

Factory Mutual (Pending)

California State Fire Marshal

MEA (Pending)

UL985

**VISTA128FB...
optional plug-in
gateway module
provides interface
to PassPoint's
flexible access
control system.**

Innovair

4-Wire Low-Profile Duct Smoke Detector



SYSTEM SENSOR

A Division of Pittway

3825 Ohio Avenue, St. Charles, IL 60174

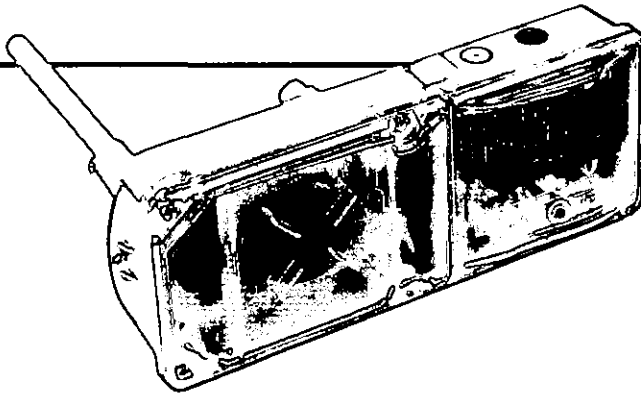
1-800-SENSOR2 (736-7672), Fax 630-377-6495

<http://www.systemsensor.com>

Models Available

DH100ACDCI 4-wire Ionization Detector

DH100ACDCP 4-wire Photoelectric Detector



Features

- Outside mounting tabs
- Telescoping sampling tube*
- Built-in reset button
- Interconnectability* for multi-fan shutdown (up to ten air handlers)
- Cover tamper trouble signal*
- Easy to clean
- 24 VAC/DC or 120/240 VAC operation
- High-Low voltage barrier
- Ion or photo models available
- Remote test station option
- Remote sounder option
- Air velocity rating from 500 to 4000 FPM
- Equipped with two DPDT Form C relay contacts
- Easy and quick mounting to round or rectangular ducts from 1'-12' wide
- Textured cover for convenient visual inspection
- UL 268A listed
- 3-year warranty

System Sensor DH100ACDC 4-wire duct duct smoke detector is available as either an ionization or photoelectric model. This new design allows for simplified cleaning and maintenance, or a change in application without removing the duct housing. The DH100ACDC samples air currents passing through a duct and gives dependable performance for management of fans, blowers, and air conditioning systems, preventing the spread of toxic smoke and fire gases through the protected area.

WARNING: Duct smoke detectors have specific limitations.
DUCT DETECTORS ARE:

NOT a substitute for an open area smoke detector,
NOT a substitute for early warning detection, and
NOT a replacement for a building's regular fire detection system.

Refer to NFPA 72 and 90A for additional duct detector application information.

Specifications

Length:	14 ³ / ₈ inches (14 cm.)
Depth:	2 ³ / ₄ inches (7 cm.)
Shipping Weight:	3.75 lbs. (1.7 kg.)
Operating Temperature Range:	23° to 131° F (-5° to 55° C)

Operating Humidity Range:	10% to 93% relative humidity noncondensing
Air Duct Velocity:	500 to 4000 ft./min.

* Patent pending

Architectural/Engineering Specifications

The air duct smoke detector shall be a System Sensor Model DH100ACDC Series Duct Smoke Detector. The detector housing shall be UL listed per UL 268A specifically for use in air handling systems. The detector shall operate at air velocities of 500 feet per minute to 4000 feet per minute. The unit shall be capable of controlling up to ten (10) air handling systems when interconnected with other detectors. The detector shall be capable of providing a trouble signal in the event that the front cover is removed. It shall be capable of local testing via magnetic switch or remote testing using the RTS451KEY Remote Test Station. The unit shall be reset by local reset button or remote test station. The duct detector housing shall incorporate an airtight smoke chamber in compliance with UL 268A, Standard for Smoke Detectors

for Duct Applications. The housing shall be capable of mounting to either rectangular or round ducts without adapter brackets. An integral filter system shall be included to reduce dust and residue effects on detector and housing, thereby reducing maintenance and servicing. Sampling tubes shall either be telescoping or be easily installed by passing through the duct housing after the housing is mounted to the duct. The unit shall provide a spacial separation of no less than 1/4" and/or a physical barrier between the high and low voltage terminals. The enclosure shall meet all applicable NEC and NFPA standards regarding electrical junction boxes. Terminal connections shall be of the strip and clamp method suitable for 12-18 AWG wiring.

Electrical Ratings – DH100ACDC (Includes Detector)

Power supply voltage:	20-29 VDC	24 VAC 50-60-Hz	120 VAC 50-60 Hz	220/240 VAC 50-60 Hz
Input capacitance:	270 μ F max.	270 μ F max.	N/A	N/A
Reset voltage:	3.0 VDC min.	2.0 VAC min.	10 VAC min.	20 VAC min.
Reset time (with RTS451):	.03 to 0.3 sec.	.03 to 0.3 sec.	.03 to 0.3 sec.	.03 to 0.3 sec.
Reset time (by power down):	0.6 sec. max.	0.6 sec. max.	0.6 sec. max.	0.6 sec. max.
Power up time:	34 sec. max.	34 sec. max.	34 sec. max.	34 sec. max.
Alarm response time:	2 to 17 sec.	2 to 17 sec.	2 to 17 sec.	2 to 17 sec.
Sensitivity Test:	See detector label	See detector label	See detector label	See detector label

Power Supply Voltage	20 - 29 VDC	24 VAC 50 - 60 Hz	120 VAC 50 - 60 Hz	220/240 VAC 50 - 60 Hz
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CURRENT REQUIREMENTS (USING NO ACCESSORIES)

Max. standby current	15 mA	35 mA RMS	25 mA RMS*	15 mA RMS*
Max. alarm current	70 mA	125 mA RMS	35 mA RMS*	25 mA RMS*

CONTACT RATINGS

Alarm initiation contacts (SPST)	2.0A @ 30 VDC (resistive)
Alarm auxiliary contacts (DPDT)	10A @ 30 VDC 10A @ 250 VAC
Note: Alarm auxiliary contacts must switch 100 mA minimum at 5VDC. Alarm auxiliary contacts shall not be connected to initiating circuits of control panels. Use the alarm initiation contact for this purpose.	
Trouble contacts (SPDT)	2.0A @ 30 VDC (resistive)

ACCESSORY CURRENT LOADS AT 24 VDC		
DEVICE	STANDBY	ALARM
APA451	12.5mA Max.	30mA Max.
PA400	0mA	15mA Max.
RA400Z	0mA	10mA Max.
RTS451/ RTS451KEY	12mA	7.5mA Max.

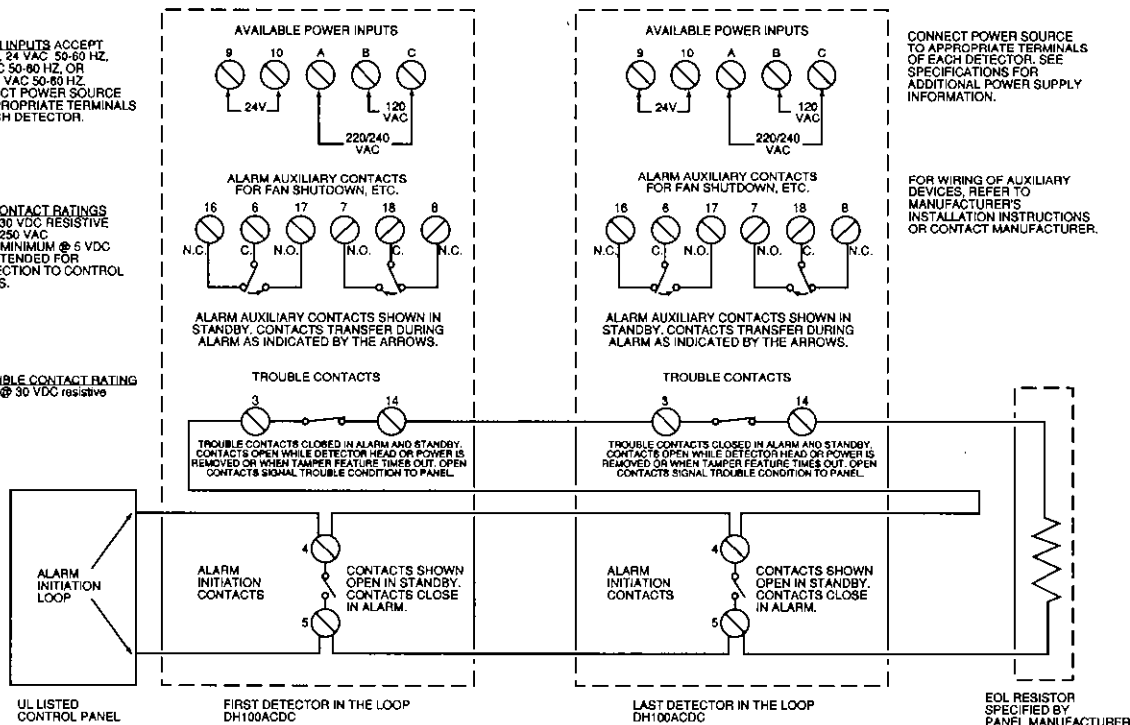
* NOTE: When a unit is powered at the 120VAC or 220/240VAC input, any combination of accessories may be used such that the given accessory loads are: 60 mA or less in the standby state, 110 mA or less in the alarm state.

DH100ACDC Wiring Guide

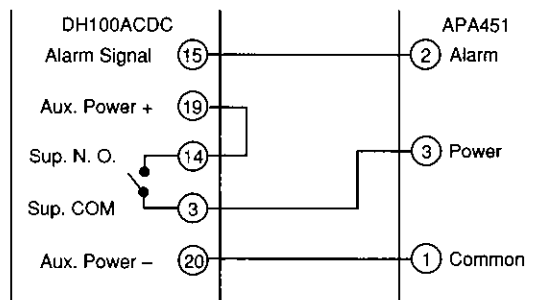
POWER INPUTS ACCEPT
24 VDC, 24 VAC 50-60 HZ,
120 VAC 50-60 HZ, OR
220/240 VAC 50-60 HZ.
CONNECT POWER SOURCE
TO APPROPRIATE TERMINALS
OF EACH DETECTOR.

AUX. CONTACT RATINGS
10A @ 30 VDC RESISTIVE
10A @ 250 VAC
100mA MINIMUM @ 5 VDC
NOT INTENDED FOR
CONNECTION TO CONTROL
PANELS.

TROUBLE CONTACT RATING
2.0 A @ 30 VDC resistive

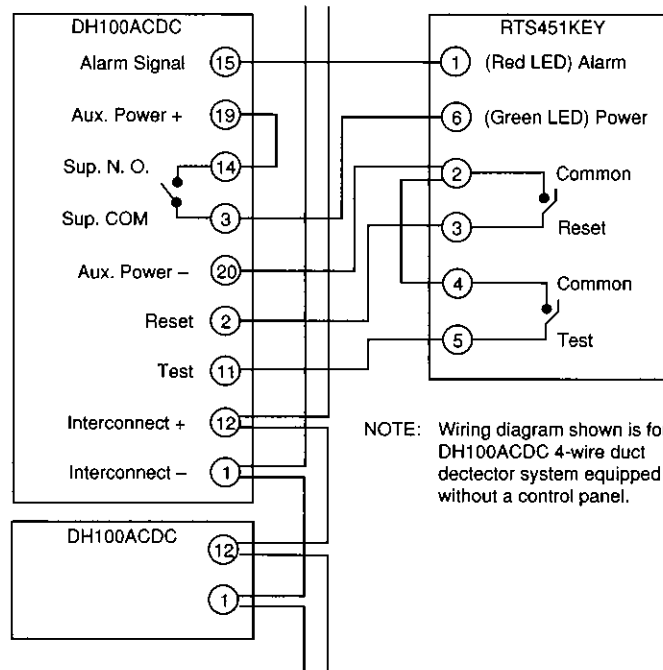


System wiring diagram for 4-wire duct smoke detectors (detectors powered from initiating circuit)



NOTE: Wiring diagram shown is for DH100ACDC 4-wire duct detector system equipped without a control panel.

Wiring diagram for DH100ACDC to APA451



NOTE: Wiring diagram shown is for DH100ACDC 4-wire duct detector system equipped without a control panel.

Wiring diagram for DH100ACDC to RTS451KEY and interconnect feature

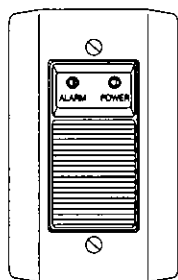
Ordering Information

Part No.	Description		
DH100ACDCI	4-wire ionization duct detector	RTS451KEY	Remote test station with key lock (see below)
DH100ACDCP	4-wire photoelectronic duct detector	RTS451	Remote test station
A5052-00	Replacement ionization sensor board	APA451	Remote annunciator with piezo alarm
A5069-00	Replacement photoelectronic sensor head	MOD400R	Sensitivity test module
A5064-00	4-wire power board	RA400Z	Remote annunciator alarm LED (see below)
Accessories		F36-09-00	Replacement air filters (two per package)
ST-1.5	Metal sampling tube duct widths 1'-2'	M02-04-00	Test magnet
ST-3	Metal sampling tube duct widths 2'-4'	P48-21-00	End cap for metal sampling tubes
ST-5	Metal sampling tube duct widths 4'-8'	S08-39-01	Photo replacement screen
ST-10	Metal sampling tube duct widths 8'-12'	PA400B	Mini-Alert sounder
T80-71-00	Replacement telescoping sampling tube	PS24LOB	Mini-Alert add-on strobe
P48-55-00	Replacement end cap for T80-71-00	PS12/24LENSC	Ceiling-mount "SMOKE" lens
		PS12/24LENSW	Wall-mount "SMOKE" lens

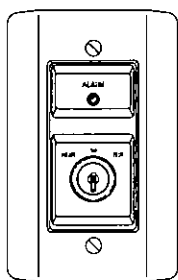
Accessories

System Sensor provides system flexibility with a variety of accessories, including two remote test stations, and several different means of visible and audible system

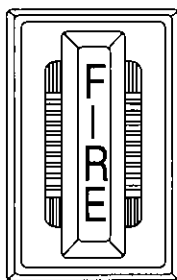
annunciation. As with our duct detectors, all duct detector accessories are UL listed.



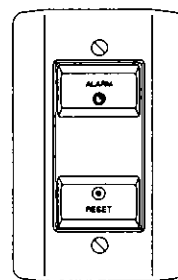
APA451
Piezo
Annunciator
(UL S4011)



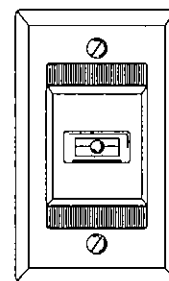
RTS451KEY
Remote Test
Station with Key
(UL S2522)



PA400 with
PS24LOW Add-on Strobe
(PS12/24LENSW
smoke lens option available)
(UL S3593)



RTS451
Remote Test
Station
(UL S2522)



RA400Z
Remote
Annunciator
(UL S2522)

System Sensor Worldwide Manufacturing & Distribution

In Canada:
Telephone: 905-812-0767
Fax: 905-812-0771

In the Far East:
Telephone: 852-2191-9003
Fax: 852-2736-6580

In Italy:
Telephone: 39-40-9490-111
Fax: 39-40-382137

In the United Kingdom:
Telephone: 44-1403-276500
Fax: 44-1403-276501

In China:
Telephone: 852-2191-9003
Fax: 852-2736-6580

In India:
Telefax: 91-022-8202564

In Singapore:
Telephone: 65-273-2230
Fax: 65-273-2610

SPECTRAAlert Series

Horns, Strobes, and Horn/Strobes

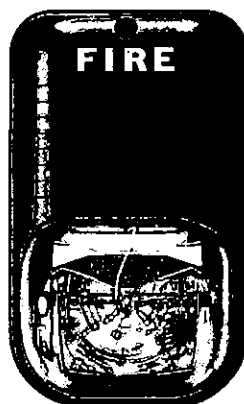


**SYSTEM
SENSOR**

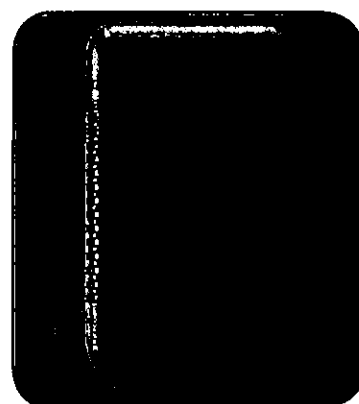
A Division of Pittway
3825 Ohio Avenue, St. Charles, IL 60174
1-800-SENSOR2 (736-7672), Fax 630-377-6495
<http://www.systemsensor.com>



**Horn/Strobe
with Standard Plate**



**Strobe
with Small Footprint Plate**



**Horn
with Standard Plate**

Features

- 24 volt strobe models: 15, 15/75, 30, 75 and 110 candela
- 12 volt strobe models: 15 and 15/75 candela
- Horn models operate on 12 and 24 volts
- Low current draw: reductions as high as 45%
- Two field selectable/reversible horn tones
 - 3000 Hz Interrupted
 - Electromechanical
- Field selectable/reversible high-low dBA output on horn (low output on 24 volt models only)
 - 101 peak dBA @ 10 ft. high output*
 - 96 peak dBA @ 10 ft. low output*
- Field selectable/reversible temp 3 pattern or non-temp 3 continuous pattern on horn
- Horn/strobe can be wired either in tandem or independently
- Universal mounting plate included with each unit
- One screw mounting of strobe and horn/strobe to mounting plate
- SpectraAlert strobe and horn/strobe take up zero room in the back box.
- Single gang mounting without the use of a mounting plate (horn model only)
- Self-contained screw covers
- Aesthetically pleasing design
- Synchronize horn and strobe with Sync•Circuit™ module
- Silence horn on horn/strobe over a single pair of wires using Sync•Circuit module
- Sound output varies with tone and output options selected; sound levels based upon anechoic room measurements.

Specifications

Walk test: SpectraAlert horn/strobe and horn only work on "walk tests" with time durations of 4 seconds or greater.

Input terminals: 12 to 18 AWG

Dimensions

Strobe and horn/strobe with universal plate:	5" × 5 ⁵ / ₈ " × 2 ¹⁵ / ₁₆ "
Strobe and horn/strobe with small footprint plate:	3 ³ / ₈ " × 5 ⁵ / ₈ " × 2 ⁵ / ₁₆ "
Horn with universal mounting plate:	5" × 5 ⁵ / ₈ " × 1 ⁵ / ₁₆ "
Horn without mounting plate:	2 ¹⁵ / ₁₆ " × 5 ⁵ / ₁₆ " × 1 ⁵ / ₁₆ "
Weight, horn only:	7.2 oz.
Weight, strobe and horn/strobe:	8.8 oz.

Mounting: 4" × 4" × 1¹/₂" or 2" × 4" × 1⁷/₈" standard boxes

Indoor operating temperature: 32° to 120° F (0° to 49° C)

Weatherproof (horn and horn/strobes)

operating temperature: 32° to 150° F (0° to 66° C)

(outdoor strobe only): -40° F to 158° F (-40° C to 70° C)

Voltages: 12 or 24 VDC and FWR unfiltered

Operating voltage range*: 12 V, 10.5-17 V; 24 V, 20-30 V

Operating voltage range* (with Sync•Circuit module, MDL): 12 V, 11-17; 24 V, 21-30 V

* These products should be operated within their rated voltage range; UL does, however, test functional integrity to -20% and +10% of manufacturer's stated ranges.



For listing information see "Notes" on bottom of page 6.)

General Description

System Sensor SpectraAlert Series strobes, horns, and combination horn/strobes are UL listed for primary signaling in life safety systems and meet ADA public mode visible signaling requirements.

SpectraAlert products can be connected to the alarm indicating circuit of a fire alarm control panel and are compatible with DC line supervision. The SpectraAlert product line mounts to standard back boxes with the use of a universal mounting plate included with each unit. An optional small footprint mounting plate fits to a single gang box. An accessory back box skirt gives a cosmetic finish to a 4" x 4" x 1 1/2" or a 2" x 4" x 1 7/8" surface mounted back box. All strobe and horn/strobe mounting options require only one screw attachment of product to plate.

These products are designed for 12 and 24 VDC and full wave rectified unfiltered power. Full wave rectified operation requires more current than DC operation. For detailed current draw information, consult the table below. The horn/strobe combination products are factory assembled with jumper wires for in-tandem operation. For independent wiring of horn and strobe, remove jumper wires. When wired for independent operation, the strobe will continue to run while the horn can be silenced. However, the strobe must be running for horn to operate.

Horn

The SpectraAlert Series horns and horn/strobes provide two different field selectable/reversible tones, a high-low field selectable/reversible sound output setting (low setting on 24 volt models only) and a field selectable/reversible temp 3 pattern or non-temporal continuous pattern. These field

selectable features are accomplished with the use of pins and jumpers located on the back of each SpectraAlert horn and horn/strobe. An accessory module is **not** needed to make these field selections. The horn on horn/strobe models *will* operate on a coded power supply. The horn only model designed for coded power supplies (HC12/24) *will also* operate on a coded power supply.

Strobes

The ADA compliant SpectraAlert strobes are electronic visible warning signals that flash at 1 Hz over their operating voltage range. These products are available in 24 volt models at 15, 15/75, 75 and 110 candela intensities and in 12 volt models at 15 and 15/75 candela intensities. SpectraAlert products feature dramatic reductions in current requirements.

Sync•Circuit Module

The Sync•Circuit Module is available for the synchronization of strobes and horns and can synchronize two Style Y (class B) circuits or one Style Z (class A) circuit. The module can also generate a synchronized temp 3 tone for System Sensor's Multi-Alert™ and PA400 horn products.* The synchronization module allows the SpectraAlert horns on combination horn/strobes to be silenced on 2-wire systems. SpectraAlert's Sync•Circuit Module can be daisy chained for multiple zone synchronization. The Module shall not operate on a coded power supply.

*For Multi-Alert and PA400: Strobes must be wired to a continuous source of power (non-coded power supply).

SpectraAlert Current Draw Table

Strobe Only:

Candela	AVERAGE CURRENT (mA)												PEAK CURRENT (mA)												IN RUSH CURRENT (mA)											
	12V Models						24V Models						12V Models						24V Models						12V Models						24V Models					
	10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V						
	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR	DC	FWR						
15	133	159	114	157	81	128	50	61	43	60	38	60	460	460	450	460	420	480	135	204	135	208	135	185	80	108	92	124	140	190	97	129	116	152	147	198
15/75	168	182	142	171	99	150	58	85	49	64	44	62	490	520	490	520	460	480	150	199	150	207	150	198	76	104	88	128	160	185	97	135	116	164	147	211
30	NA	NA	NA	NA	NA	NA	78	84	67	82	58	72	NA	NA	NA	NA	NA	NA	183	201	183	219	183	216	NA	NA	NA	NA	NA	97	129	118	152	147	198	
75	NA	NA	NA	NA	NA	NA	145	170	123	159	102	141	NA	NA	NA	NA	NA	NA	350	440	340	460	330	480	NA	NA	NA	NA	NA	190	240	230	280	290	380	
110	NA	NA	NA	NA	NA	NA	169	220	140	191	115	174	NA	NA	NA	NA	NA	NA	460	560	450	570	420	620	NA	NA	NA	NA	NA	190	230	220	290	290	370	

Horn Only:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)											
			12V Models						24V Models					
			10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V
Electro-mech.	High	Temp	10	11	10	10	14	14	19	21	25	18	29	28
		Non	10	16	10	19	14	25	17	29	23	34	30	42
	Low	Temp	NA	NA	NA	NA	NA	NA	11	12	13	13	17	15
3000 Hz Interrupt.	High	Temp	11	13	11	11	16	16	24	28	28	23	37	33
		Non	11	17	11	21	14	28	19	34	27	39	35	45
	Low	Temp	NA	NA	NA	NA	NA	NA	14	14	17	15	21	19
		Non	NA	NA	NA	NA	NA	NA	13	18	16	21	22	25

Horn/Strobe 30 cd:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)					
			24V Models					
			20V	24V	30V	DC	FWR	DC
Electro-mech.	High	Temp	97	105	92	100	87	98
		Non	95	113	90	116	88	114
	Low	Temp	89	96	80	95	75	87
3000 Hz Interrupt.	High	Temp	90	98	81	101	75	96
		Non	97	116	94	121	93	117
	Low	Temp	92	96	84	97	79	91
		Non	91	100	83	103	80	97

Horn/Strobe 15 cd:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)											
			12V Models						24V Models					
			10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V
Electro-mech.	High	Temp	143	170	124	167	95	142	69	82	68	78	67	87
		Non	143	170	124	167	95	142	67	90	66	94	68	103
	Low	Temp	NA	NA	NA	NA	NA	NA	61	73	58	73	55	78
3000 Hz Interrupt.	High	Temp	144	172	125	168	97	144	74	87	71	83	75	94
		Non	144	173	125	168	95	146	69	95	70	99	73	106
	Low	Temp	NA	NA	NA	NA	NA	NA	64	75	60	75	59	80
		Non	NA	NA	NA	NA	NA	NA	63	79	59	81	60	86

Horn/Strobe 75 cd:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)					
			24V Models					
			20V	24V	30V	DC	FWR	DC
Electro-mech.	High	Temp	164	191	148	187	131	187
		Non	163	188	146	169	132	169
	Low	Temp	156	182	136	162	119	156
3000 Hz Interrupt.	High	Temp	157	182	137	162	119	157
		Non	169	196	151	172	139	174
	Low	Temp	164	192	150	175	137	177
		Non	158	188	139	163	124	162

Horn/Strobe 1575 cd:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)											
			12V Models						24V Models					
			10.5V	12V	17V	20V	24V	30V	10.5V	12V	17V	20V	24V	30V
Electro-mech.	High	Temp	178	193	152	181	113	164	75	86	74	82	73	88
		Non	178	193	152	181	113	164	73	94	72	98	74	104
	Low	Temp	NA	NA	NA	NA	NA	NA	67	77	62	77	61	77
3000 Hz Interrupt.	High	Temp	179	195	152	183	115	166	80	91	77	87	81	95
		Non	179	196	152	183	113	168	75	99	78	103	79	107
	Low	Temp	NA	NA	NA	NA	NA	NA	70	79	66	79	65	81
		Non	NA	NA	NA	NA	NA	NA	69	83	65	85	66	87

Horn/Strobe 110 cd:

Tone	High/Low Volume	Temp /Non	AVERAGE CURRENT (mA)					
			24V Models					
			20V	24V	30V	DC	FWR	DC
Electro-mech.	High	Temp	188	241	165	209	144	200
		Non	186	238	163	211	145	202
	Low	Temp	180	232	153	204	132	189
3000 Hz Interrupt.	High	Temp	181	232	154	204	132	190
		Non	193	246	168	214	152	207
	Low	Temp	188	242	167	217	150	210
		Non	183	234	157	206	136	193
		Non	182	232	156	205	137	195

Engineering Specifications

General

SpectrAlert horns, strobes and horn/strobes shall be capable of mounting to a standard 4" x 4" x 1 1/2" back box or a single gang 2" x 4" x 1 7/8" back box using the universal mounting plate included with each SpectrAlert product. Also, SpectrAlert products, when used in conjunction with the accessory Sync•Circuit Module, shall be powered from a non-coded power supply and shall operate on 12 or 24 volts. 12 volt rated devices shall have an operating voltage range of 10.5 - 17 volts. 24 volt rated devices shall have an operating voltage range of 20 - 30 volts. SpectrAlert products shall have an operating temperature of 32 to 120°F and operate from a regulated DC or full wave rectified, unfiltered power supply.

Horn

Horn shall be a System Sensor SpectrAlert model _____ capable of operating at 12 and 24 volts. Horn shall be listed to UL 464 for fire protective signaling systems. The horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. The horn only model designed for coded power supplies (HC12/24) shall operate on a coded power supply.

Strobe

Strobe shall be a System Sensor SpectrAlert model _____ listed to UL 1971 and be approved for fire protective service. The strobe shall be wired as a primary signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over the strobe's entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system.

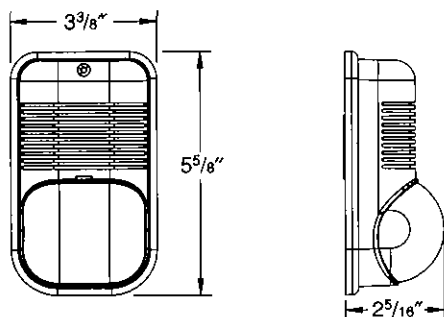
Horn/Strobe Combination

Horn/strobe shall be a System Sensor SpectrAlert model _____ listed to UL 1971 and UL 464 and shall be approved for fire protective service. Horn/strobe shall be wired as a primary signaling notification appliance and comply with the Americans with Disabilities Act requirements for visible signaling appliances, flashing at 1 Hz over its entire operating voltage range. The strobe light shall consist of a xenon flash tube and associated lens/reflector system. The horn shall have two tone options, two audibility options (at 24 volts) and the option to switch between a temporal 3 pattern and a non-temporal continuous pattern. Strobes shall be powered independently of the sounder with the removal of factory installed jumper wires. The horn on horn/strobe models shall operate on a coded or non-coded power supply.

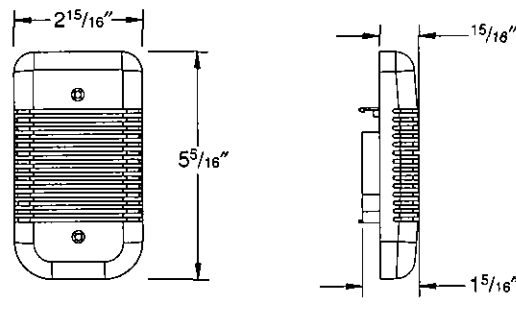
Module

Module shall be a System Sensor Sync•Circuit model _____ listed to UL 464 and shall be approved for fire protective service. The module shall synchronize SpectrAlert strobes at 1 Hz and horns at temporal 3. Also, the module shall silence the horns on horn/strobe models, while operating the strobes, over a single pair of wires. The module shall be capable of mounting to a 4 11/16" x 4 11/16" x 2 1/8" back box and shall control two Style Y (class B) or one Style Z (class A) circuit. Module shall be capable of multiple zone synchronization by daisy chaining multiple modules together and re-synchronizing each other along the chain. The Module shall not operate on a coded power supply.

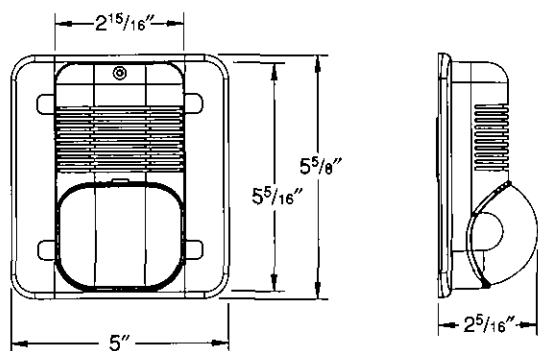
SpectrAlert Dimensions



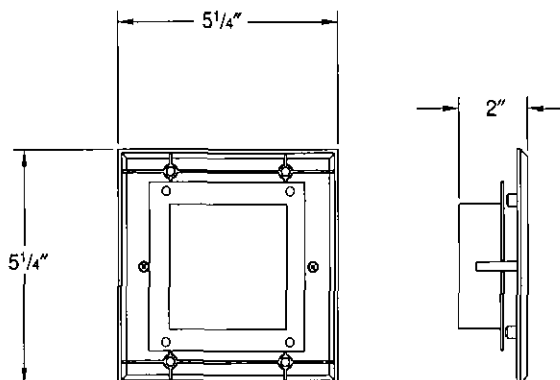
Horn/Strobe with Small Footprint Mounting Plate
(same dimensions for strobe only)



Horn Only



Horn/Strobe with Universal Mounting Plate
(same dimensions for strobe only)



Sync•Circuit Module

SpectraAlert Ordering Information

All weatherproof models must use weatherproof back box model WBB.

	Red	White	Voltage	Candela	Avg. mA* @ Nom. VDC	Avg. mA* @ Nom. FWR**	
Horn / Strobes	P1215	P1215W	12	15	124	167	
	P121575	P121575W	12	15/75	152	181	
	P2415	P2415W	24	15	68	78	
	P241575	P241575W	24	15/75	74	82	
	P2430	P2430W	24	30	92	100	
	P2475	P2475W	24	75	148	167	
	P24110	P24110W	24	110	165	209	
	P241575K (weatherproof)	-	24	15/75	74	82	
	P2475K (weatherproof)	-	24	75	148	167	
	P24110K (weatherproof)	-	24	110	165	209	
	Canada	P2415A	P2415WA	24	15	68	78
	P241575A	P241575WA	24	15/75	74	82	
	P2475A	P2475WA	24	75	148	167	
	P24110A	P24110WA	24	110	165	207	
	P241575KA (weatherproof)	-	24	15/75	74	82	
	P2475KA (weatherproof)	-	24	75	148	167	
	P24110KA (weatherproof)	-	24	110	165	207	
	Latin America	P241575F (FUEGO)		24	15/75	74	82
	Strobes	S1215	S1215W	12	15	114	157
		S121575	S121575W	12	15/75	142	171
		S2415	S2415W	24	15	43	60
		S241575	S241575W	24	15/75	49	64
		S2430	S2430W	24	30	67	82
		S2475	S2475W	24	75	123	159
S24110		S24110W	24	110	140	191	
S241575K (weatherproof)		-	24	15/75	49	60	
S2475K (weatherproof)		-	24	75	123	159	
S24110K (weatherproof)		-	24	110	140	191	
Canada		S2415A	S2415WA	24	15	43	60
S241575A		S241575WA	24	15/75	49	64	
S2475A		S2475WA	24	75	123	149	
S24110A		S24110WA	24	110	140	191	
S241575KA (weatherproof)		-	24	15/75	49	64	
S2475KA (weatherproof)		-	24	75	123	149	
S24110KA (weatherproof)		-	24	110	140	191	
Latin America		S241575F (FUEGO)		24	15/75	49	64
Horns		H12/24	H12/24W	12/24	NA	10 / 25	10 / 18
		H12/24K (weatherproof)	-	12/24	NA	10 / 25	10 / 18
		HC12/24 (for coded power)	HC12/24W (for coded power)	12/24	NA	10 / 25	10 / 18
		HC12/24K	-	12/24	NA	10 / 25	10 / 18
		(for coded power, weatherproof)	-	12/24	NA	10 / 25	10 / 18
		Canada	H12/24A	H12/24WA	12/24	NA	10 / 25
	H12/24KA (weatherproof)	-	12/24	NA	10 / 25	10 / 18	
	HC12/24A (for coded power)	HC12/24WA (for coded power)	12/24	NA	10 / 25	10 / 18	
Sync-Circuit Module	MDL	MDLW	12/24	NA	16	24	
Canada	MDLA	MDLWA	12/24	NA	16	24	
Small Footprint Mounting							
Plate for Single Gang Only	S-MP	S-MPW	NA	NA	NA	NA	
Surface Mount Back Box Skirt	BBS	BBSW	NA	NA	NA	NA	
Universal Mounting							
Plate (replacement)	D-MP	D-MPW	NA	NA	NA	NA	
Weatherproof Back Box	WBB	-	NA	NA	NA	NA	

Notes:

Agency Listings - Indoor models: UL, ULC, FM, CSFM, MEA. Weatherproof models: UL, CSFM, MEA, ULC.

All SpectraAlert products are designed for wall mount only.

Installation of less than 75 candela strobes may be permissible under the equivalent facilitation clause of the ADAAG (Sec. 2.2). However, it is the responsibility of the person or entity designing the fire alarm system to determine the acceptability of less than 75 candela strobes.

All 15/75 candela strobes or horn/strobes are recommended for 20' x 20' rooms or less.

* Horn and horn/strobe current draws assume horn is set at temp 3, electromechanical tone and high audibility.

** FWR - Full Wave Rectified

System Sensor Worldwide

Canada:
Telephone: 905-812-0767
Fax: 905-812-0771

The Far East:
Telephone: 852-2191-9003
Fax: 852-2736-6580

Italy:
Telephone: 39-40-9490-111
Fax: 39-40-382137

The United Kingdom:
Telephone: 44-1403-276500
Fax: 44-1403-276501

China:
Telephone: 852-2191-9003
Fax: 852-2736-6580

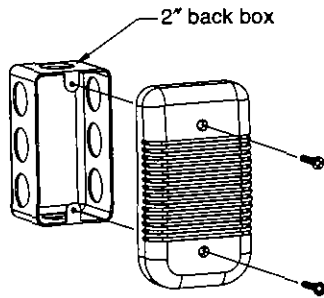
India:
Telefax: 91-022-8202564

Singapore:
Telephone: 65-273-2230
Fax: 65-273-2610

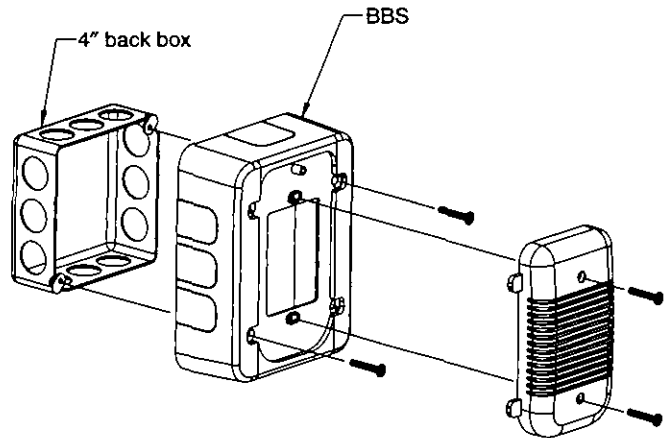
This document is not intended to be used for installation purposes.

System Sensor reserves the right to change product specifications at anytime.

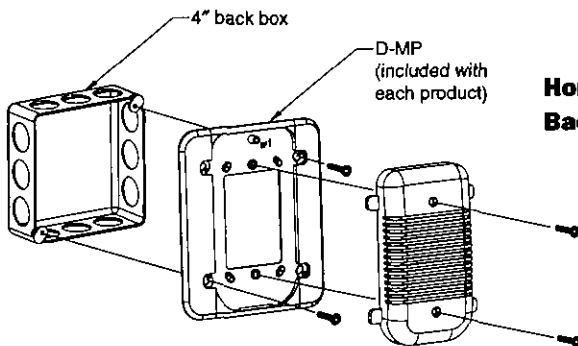
SpectrAlert Mounting Diagrams



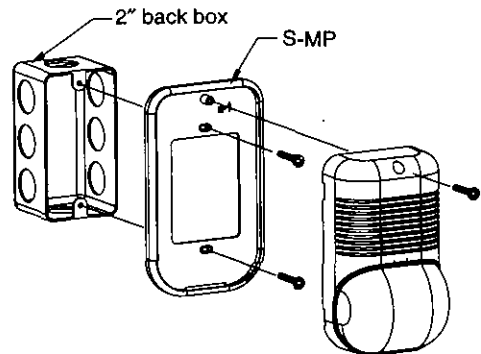
Horn Direct Mount



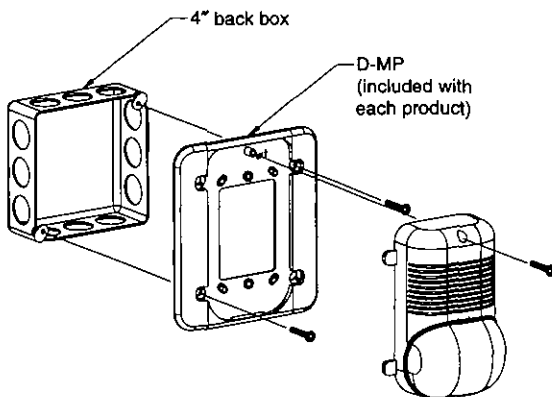
Horn Surface Mount with Accessory Back Box Skirt



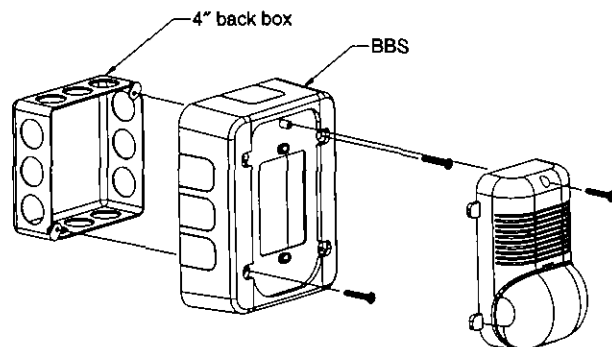
Horn with Universal Mounting Plate (included with each product)



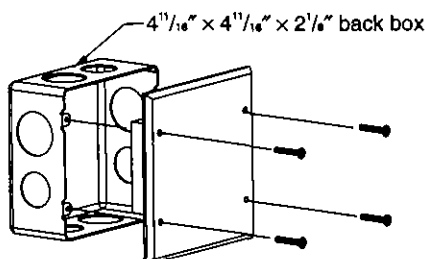
Strobe or Horn/Strobe with Accessory Small Footprint Mounting Plate



Strobe or Horn/Strobe with Universal Mounting Plate (included with each product)



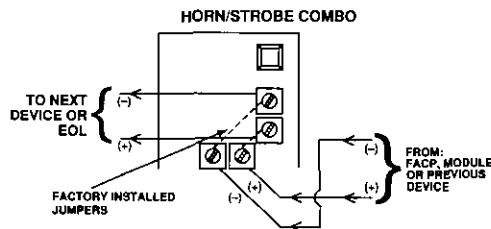
Strobe or Horn/Strobe Surface Mount with Accessory Back Box Skirt



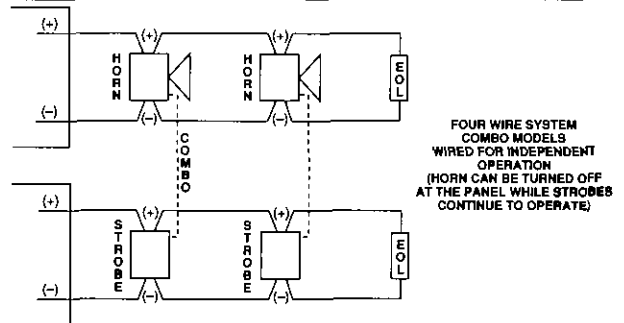
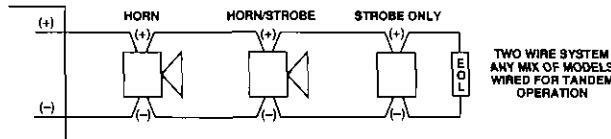
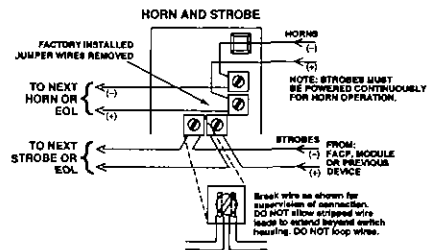
Sync•Circuit Module Direct Mount

SpectrAlert Wiring Diagrams

TANDEM OPERATION

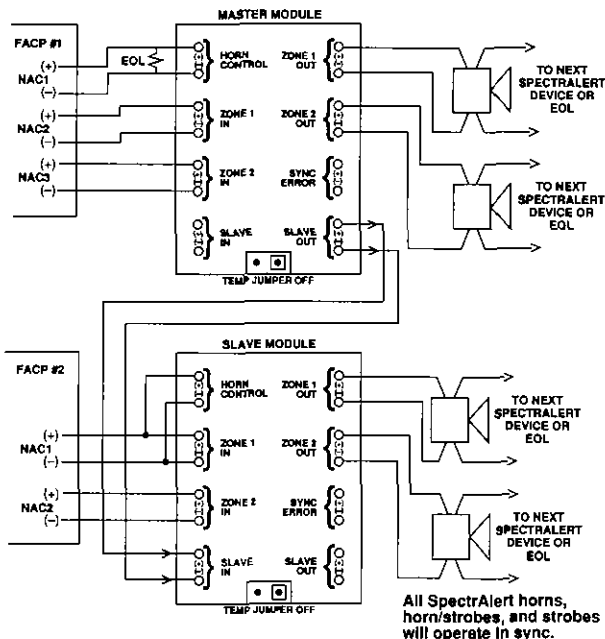


INDEPENDENT OPERATION



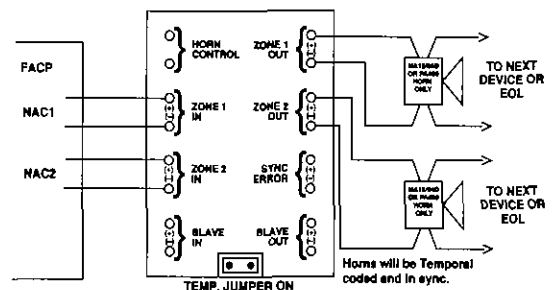
Horns Silenced Over Two-Wire Circuit

- Any mix of Horn/Strobes or Strobe only devices is acceptable
- Horn control connects to interruptible power source



Temp 3 Coding of Multi-Alert and PA400 Sounders

Note: Strobes must be powered from non-coded supply



Sound Output Guide (dBA)

			UL Reverberant Room dBA @ volts DC						Anechoic Room Peak dBA @10 ft./volts DC					
			10.5	12	17	20	24	30	10.5	12	17	20	24	30
Temporal	Low Tone	Electromechanical	NA	NA	NA	75	75	79	NA	NA	NA	94	96	98
		3000 Hz Interrupted	NA	NA	NA	75	79	79	NA	NA	NA	94	96	98
	High Tone	Electromechanical	75	75	79	82	82	82	94	95	98	100	101	102
		3000 Hz Interrupted	75	75	79	82	85	85	94	95	98	100	101	102
Non-Temporal	Low Tone	Electromechanical	NA	NA	NA	79	82	85	NA	NA	NA	94	96	98
		3000 Hz Interrupted	NA	NA	NA	82	82	85	NA	NA	NA	94	96	98
	High Tone	Electromechanical	79	79	85	85	88	88	94	95	98	100	101	102
		3000 Hz Interrupted	79	82	85	88	88	88	93	95	98	100	101	102

Township of Brick

Counter Form (PLEASE PRINT)

Site Location: 51 CHAMBERS BRIDGE ROAD

Block: 672 Lot: 8

Owner's Name: SHL BRICK CO

Owner's Mailing Address: _____

Phone: (____) _____

BUILDING

Contractor: _____

Address: _____

Phone#: _____

Lis # _____

Federal Emp # or SSN _____

Technical Data

Description of Work: _____

Type of Work

☐ New Building ☐ Siding
☐ Addition ☐ Fence
☐ Alteration ☐ Pool
☐ Roofing ☐ Demolition
☐ Asbestos Abatement ☐ Sign _____ sq ft

Building Characteristics

Use Group Present: _____ Proposed: _____

No of Stories: _____

Height of Structure: _____

Area of the largest floor: _____

Area of New Structure: _____

Volume of New Structure: _____

Total Land Disturbed: _____

Cost of Alteration: \$ _____

Cost of New Building: \$ _____

Total Cost of New Building Work: \$ _____

I hereby certify that I am the agent/owner of record and am authorized to make this application and perform the work listed on this application.

Signature: _____

Please Print Name _____

ELECTRICAL

Contractor: _____

Address: _____

Phone#: _____

Lis #: _____

Federal Emp # or SSN _____

Technical Data

Item _____ Quantity _____

Lighting Fixtures _____

Receptacles _____

Switches _____

Detectors _____

Light Poles _____

Motors w/ Fract. HP _____

Emergency & Exit Lights _____

Communication Points _____

Alarm Devices/FAC Panel _____

Total _____

Pool (Receptacles, Switches, Lights, Motor 1HP) _____

Spa/Hot Tub/Storable Pool _____

Electric Range _____ KW

Oven/Surface Unit _____ KW

Electric Water Heater _____ KW

Electric Dryer _____ KW

Dishwasher _____ KW

Garbage Disposal _____ HP

A/C Unit - Central Air _____ KW

Space Heater/Air Handler _____ KW

Baseboard Heating _____ KW

Motors 1+ HP _____

Transformer/Generator _____ KW

Light Stander _____ AMP

Service _____ AMP

Subpanel _____ AMP

Motor Control Center _____ AMP

Sign/Outline Light _____ KW

Furnace _____

Steam Boiler _____

Other: _____

Estimated Cost of Electrical Work: _____

I hereby certify that I am the agent/owner of record and am authorized to make this application and perform the work listed on this application.

Signature: _____

Please Print Name _____

CONTRACTOR'S SEAL

Counter Form
PLEASE PRINT

PLUMBING

FIRE

Contractor: _____
Address: _____
Phone #: _____
Lis #: _____
Federal Emp # or SSN _____

Contractor: JEWELL CON. / PROTECTION PLUS
Address: 312 RUNYON AVE
MIDWICK NJ 08846
Phone #: 732-968-8446
Lis #: _____
Federal Emp # or SSN 142-76-2980

Technical Data

Fixtures	Quantity
Water Closets (Toilet)	_____
Urinals/Bidets	_____
Bath Tub (w/or w/out shower head)	_____
Lavatory (BR Sink)	_____
Shower	_____
Floor Drain	_____
Sink	_____
Dishwasher	_____
Drinking Fountain	_____
Washing Machine	_____
Hose Bib	_____
Gas Piping	_____
Fuel Oil Piping	_____
Water Heater	_____
Steam Boiler	_____
Hot Water Boiler	_____
Sewer Pump	_____
Interceptor/Separator	_____
Backflow Preventer	_____
Greasetrap	_____
Air Conditioner (Condensate Drain)	_____
Septic Tank Closure	_____
Sewer Service Connection	_____
Water Service Connection	_____
Active Solar System	_____
Auxiliary Meter	_____
Sprinkler Heads	_____
Sump Pump	_____
Pool Heater	_____
Other:	_____

Estimated Cost of Plumbing Work _____

I hereby certify that I am the agent/owner of record and am authorized to make this application and perform the work listed on this application.

Signature: _____

Please Print Name: _____

CONTRACTOR'S SEAL

Technical Data

Description of Work:

Heating Type: _____ Gas _____ Oil ☒ LOW VOLTAGE Electric _____ Solar _____
Heating System is _____ New _____ Existing _____
Location of Furnace/Boiler: _____
Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision ~~_____~~ _____
Central Supervision: ~~_____~~ _____
Proprietary Supervision: _____

Flammable Storage Tanks _____ capacity _____ fuel _____
Combustible Storage Tanks _____ capacity _____ fuel _____
LPG Storage Tanks _____ capacity _____ fuel _____

Item	Quantity
Wet Sprinkler Heads	_____
Dry Sprinkler Heads	_____
Total	_____

Smoke Detectors 3 DUCT SMOKE DETECTORS
Heat Detectors _____
Total _____

Stand Pipes _____
Kitchen Hood Exhaust System _____

Pre-Engineered Systems:
CO2 Suppression _____
Halon Suppression _____
Foam Suppression _____
Dry Chemical _____
Wet Chemical _____

Gas/ Oil Fired Appliances:
Gas Stove _____
Gas Dryer _____
Furnace (Gas or Oil) _____
Gas Fireplace _____
Gas Logs _____
Total Appliances _____

Wood Burning Stove _____
Wood Fireplace _____

Other: ☒ 7- HORN STROBE UNITS
3- MANUAL ADDRESSABLE PULL STATIONS
1 - FIRE ALARM CONTROL PANEL

Estimated Cost of Fire Work 2000.00

I hereby certify that I am the agent/owner of record and am authorized to make this application and perform the work listed on this application.

Signature: _____

Print Name: LEN PERASIO