



# CONSTRUCTION PERMIT APPLICATION

## I. IDENTIFICATION

1. Proposed Work at: Drum Point Road School, Drum Point Rd., Brick Township, N.J., 08724
2. Owner Name: Brick Township Board of Education Tel. ( 201 ) 477-2800  
 Address: 101 Hendrickson Avenue, Brick Town, NJ 08724  
Institutional Systems Service Corp.
3. Principal Contractor: ISS Electrical Contracting Corp. 7848 Tel. ( 201 ) 670-0005  
 Address: 60 W. Prospect St., Waldwick, New Jersey  
 Lic. No. or Builder Reg. No. \_\_\_\_\_ Federal Emp. No. 22-2303384
4. Architect or Engineer: \_\_\_\_\_ Tel. ( \_\_\_\_\_ ) \_\_\_\_\_  
 Address \_\_\_\_\_
5. Responsible Person in Charge of Work \_\_\_\_\_ Tel. ( \_\_\_\_\_ ) \_\_\_\_\_

## II. PROPOSED WORK

### A. TYPE OF WORK

1. ☐ Minor Work (Single Trade)  
 2. ☐ Small Job (\$5,000 and no Prior Approvals)  
*Complete only II.B., III and IV.A. and Page 2*
3. ☐ New Building  
 4. ☐ Addition  
 5. ☐ Alteration  
 6. ☐ Repair, Replacement  
 7. ☐ Demolition  
 8. ☐ Other: \_\_\_\_\_

### B. CATEGORIES OF WORK

| Permit/Category                                        | Estimated       |
|--------------------------------------------------------|-----------------|
| 1. <input type="checkbox"/> Building/Structural        | \$ _____        |
| 2. <input type="checkbox"/> Plumbing                   | _____           |
| 3. <input checked="" type="checkbox"/> Electrical      | _____           |
| 4. <input checked="" type="checkbox"/> Fire Protection | _____           |
| 5. <input type="checkbox"/> Other _____                | _____           |
| 6. <input type="checkbox"/> Other _____                | _____           |
| <b>TOTAL COST</b>                                      | <b>\$ _____</b> |

### C. DO YOU WANT:

1. ☐ Partial Releases      2. ☐ Prototype Processing

### D. DOES OR WILL YOUR BUILDING CONTAIN ANY OF THE FOLLOWING?

1. ☐ Elevators/Dumbwaiters  
 2. ☐ High-Pressure Boilers  
 3. ☐ Refrigeration Systems  
 4. ☐ Pressure Vessels  
 5. ☐ Hazardous Uses/Places of Assembly  
 6. ☐ Cross-connections/Backflow Preventors  
 7. ☐ Sprinklers  
 8. ☐ Smoke Control Systems in Open Wells

## III. DESCRIPTION OF BUILDING USE (USE GROUPS)

### A. RESIDENTIAL

1. ☐ Hotels (R-1)  
 2. ☐ Multi-Family (R-2)  
 HMD Reg. No.: \_\_\_\_\_  
 3. ☐ Two Family (R-3b)  
 4. ☐ One-Family (R-3a)

If new construction, enter no. of dwelling units \_\_\_\_\_

If other than new construction, enter no. of dwelling units: \_\_\_\_\_

Before Construction: \_\_\_\_\_  
 After Construction: \_\_\_\_\_  
 Net Gain (or loss): \_\_\_\_\_

### B. NON-RESIDENTIAL

5. ☐ Theatres with Stage (A-1-A)  
 6. ☐ Movie Theatres (A-1-B)  
 7. ☐ Night Clubs (A-2)  
 8. ☐ Restaurants, Libraries, Museums (A-3)  
 9. ☐ Religious Assembly (A-4)  
 10. ☐ Outdoor Assembly (A-5)  
 11. ☐ Business (B)  
 12. ☒ Educational (E)  
 13. ☐ Moderate-Hazard Factory (F-1)  
 14. ☐ Low-Hazard Factory (F-2)  
 15. ☐ High-Hazard (H)
16. ☐ Institutional Detention Center (I-1)  
 17. ☐ Hospitals, Infirmeries (I-2)  
 18. ☐ Group Homes (I-3)  
 19. ☐ Mercantile (M)  
 20. ☐ Moderate-Hazard Warehouse (S-1)  
 21. ☐ Low-Hazard Warehouse (S-2)  
 22. ☐ Temporary, Misc. (U)  
 23. ☐ Other \_\_\_\_\_

State Specific Use: \_\_\_\_\_

If Change in Use Group, Indicate Former: \_\_\_\_\_

## IV. BUILDING CHARACTERISTICS

### A. OWNERSHIP

1. ☐ Private (Individual, Corp., Non-profit Inst., Etc.)  
 2. ☒ Public (State, County or Local Govt.)

### B. HEATING FUEL

| Principal                   | Secondary                | Type                     |
|-----------------------------|--------------------------|--------------------------|
| 3. <input type="checkbox"/> | <input type="checkbox"/> | Gas                      |
| 4. <input type="checkbox"/> | <input type="checkbox"/> | Oil                      |
| 5. <input type="checkbox"/> | <input type="checkbox"/> | Electric                 |
| 6. <input type="checkbox"/> | <input type="checkbox"/> | Solid (Wood, Coal, Etc.) |
| 7. <input type="checkbox"/> | <input type="checkbox"/> | Propane                  |
| 8. <input type="checkbox"/> | <input type="checkbox"/> | Solar                    |
| 9. <input type="checkbox"/> | <input type="checkbox"/> | Other _____              |

### C. TYPE OF SEWAGE DISPOSAL

10. ☐ Public or Private Company  
 11. ☐ Private (Septic Tank, Etc.)

### D. TYPE OF WATER SUPPLY

12. ☐ Public or Private Company  
 13. ☐ Private (Well, Etc.)

### E. BUILDING CHARACTERISTICS

14. No. of Stories \_\_\_\_\_  
 15. Height of Structure \_\_\_\_\_ Ft.  
 16. Area—Largest Floor \_\_\_\_\_ Sq. Ft.  
 17. Bldg. Area—All Fls. \_\_\_\_\_ Sq. Ft.  
 18. Volume of Structure \_\_\_\_\_ Cu. Ft.  
 19. Total Land Area Disturbed \_\_\_\_\_ Sq. Ft.

# CERTIFICATION IN LIEU OF OATH

## I. OWNER SECTION

I hereby certify that I am the owner of the property listed on Page 1. This dwelling is to be occupied by myself and is not to be used for any purpose, other than single family residential use.

- A. ☐ I further certify that I prepared the plans submitted. This statement is made in accordance with the New Jersey Uniform Construction Code, N.J.A.C. 5:23-2.15(e)vii.
- B. ☐ I further certify that I will perform the work below.  
B1. ☐ Building      B2. ☐ Electrical      B3. ☐ Plumbing
- C. ☐ I further certify that a new home will be constructed on this property, for my use and occupancy. I attest that all design, construction, plumbing, or electrical work will be done by me or by subcontractors under my supervision, in accordance with all applicable laws; and further acknowledge that said new home is not covered under the New Home Warranty and Builders Registration Act (N.J.A.C. 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.
- 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 understand that if any of the above statements are willfully false, I am subject to punishment.

SIGNATURE \_\_\_\_\_ DATE \_\_\_\_\_

## II. AGENT SECTION

I hereby certify that the work is authorized by the owner of record and I have been authorized by the owner to make this application as his agent.

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 Institutional Systems Service Corp. TEL. ( ) 201-670-0005

ADDRESS 60 W. Prospect St., Waldwick, N.J., 07463

SIGNATURE   
Frederick A. Robinson



# PERMIT CONTROL

## I. PLAN REVIEW STATUS

Updated at time of receipt of drawings and when plans are approved.

- ☐ PARTIAL RELEASES  
☐ PROTOTYPE PLAN - FILE LOCATION AND NO. \_\_\_\_\_

| Plan Review Required                | Type of Work         | Plans Received By Date | Receiver | Approval Date | Reviewer | Comments |
|-------------------------------------|----------------------|------------------------|----------|---------------|----------|----------|
| <input type="checkbox"/>            | BUILDING             |                        |          |               |          |          |
|                                     | Footings/Foundations |                        |          |               |          |          |
|                                     | Framing              |                        |          |               |          |          |
|                                     | Architectural        |                        |          |               |          |          |
|                                     | Other                |                        |          |               |          |          |
| <input checked="" type="checkbox"/> | PLUMBING             |                        |          |               |          |          |
| <input type="checkbox"/>            | ELECTRICAL           |                        |          |               |          |          |
| <input type="checkbox"/>            | FIRE PROTECTION      |                        |          | 9-7-88        |          |          |
| <input type="checkbox"/>            | OTHER                |                        |          |               |          |          |

## II. PERMIT/INSPECTION STATUS

Updated at time of permit and after final approvals.

| Issue Date | Category             | Revisions | Final Inspection | Comments |
|------------|----------------------|-----------|------------------|----------|
|            | ALL CONSTRUCTION     |           |                  |          |
|            | BUILDING             |           |                  |          |
|            | Footings/Foundations |           |                  |          |
|            | Framing              |           |                  |          |
|            | Architectural        |           |                  |          |
|            | Other                |           |                  |          |
|            | PLUMBING             |           |                  |          |
|            | ELECTRICAL           |           |                  |          |
|            | FIRE PROTECTION      |           |                  |          |
|            | OTHER                |           |                  |          |

## III. CERTIFICATES ISSUED

| CERTIFICATES TO BE ISSUED:                                                                   | Date Issued |
|----------------------------------------------------------------------------------------------|-------------|
| <input checked="" type="checkbox"/> Temporary Certificate of Occupancy<br>Date Expired _____ | _____       |
| <input type="checkbox"/> Temporary Certificate of Occupancy<br>Date Expired _____            | _____       |
| <input type="checkbox"/> Certificate of Occupancy<br>No. _____                               | _____       |
| <input type="checkbox"/> Certificate of Continued Occupancy<br>No. _____                     | _____       |
| <input type="checkbox"/> Certificate of Approval<br>No. _____                                | _____       |
| <input type="checkbox"/> None                                                                | _____       |

## IV. ON-GOING INSPECTIONS

On-going Inspections Required  
(See Page 1, II.D.)

Date Posted to  
Log and Ticker

## V. FEE SUMMARY

Initial fee collection recorded in A; all others in section B.

### A. COLLECTED AT TIME OF CONSTRUCTION PERMIT ISSUANCE

|                                                                       | AMOUNT             |
|-----------------------------------------------------------------------|--------------------|
| BUILDING                                                              | \$ _____           |
| PLUMBING                                                              | \$ _____           |
| ELECTRICAL                                                            | \$ _____           |
| FIRE PROTECTION                                                       | \$ 746.00          |
| OTHER                                                                 | \$ _____           |
| <b>SUBTOTAL</b>                                                       | \$ _____           |
| - LESS: 20% of subtotal (when plan review performed by state agency). |                    |
| D.C.A. TRAINING FEE .0006 x _____                                     | \$ _____           |
| CERTIFICATE OF OCCUPANCY                                              | \$ _____           |
| OTHER                                                                 | \$ _____           |
| OTHER                                                                 | \$ _____           |
| <b>TOTAL COLLECTED WHEN PERMIT ISSUED</b>                             | \$ _____           |
| DATE _____                                                            | Collected By _____ |

### B. COLLECTED AFTER CONSTRUCTION PERMIT ISSUANCE

|                                            | Date | Collected By | AMOUNT   |
|--------------------------------------------|------|--------------|----------|
| CERTIFICATE OF OCCUPANCY                   |      |              | \$ _____ |
| OTHER                                      |      |              | \$ _____ |
| OTHER                                      |      |              | \$ _____ |
| - LESS: Refunds                            |      |              | \$ _____ |
| <b>TOTAL COLLECTED AFTER PERMIT ISSUED</b> |      |              | \$ _____ |

### C. TOTAL CONSTRUCTION FEES COLLECTED

|                             | AMOUNT   |
|-----------------------------|----------|
| COLLECTED WITH PERMIT (VA)  | \$ _____ |
| COLLECTED AFTER PERMIT (VB) | \$ _____ |
| <b>TOTAL</b>                | \$ _____ |



# CONSTRUCTION PERMIT

Date Issued 9-7-89  
Control #  
Permit # 5333

IDENTIFICATION Block 548 Lot 21  
Work Site Location Dura Pt. Rd. Contractor Inst. Systems Service Corp.  
Address \_\_\_\_\_  
Owner in Fee P.O.T. Bd. of Eds.  
Address 101 Hendrickson Ave. Tele. (\_\_\_\_) \_\_\_\_\_  
Lic. No. or Bldrs. Reg. No. \_\_\_\_\_ Exp. Date \_\_\_\_\_  
Tele. (\_\_\_\_) \_\_\_\_\_ Federal Emp. No. \_\_\_\_\_  
or Social Security No. \_\_\_\_\_

is hereby granted permission to perform the following work:

☐ BUILDING ☐ PLUMBING ☐ OTHER \_\_\_\_\_  
☐ ELECTRICAL ☒ FIRE PROTECTION

## DESCRIPTION OF WORK:

Smoke & fire alarms

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 \$ 19,467.

P.J. Ciego  
CONSTRUCTION OFFICIAL

U.C.C. Form F-170A

## PAYMENTS (Office Use Only)

Building \_\_\_\_\_  
Plumbing \_\_\_\_\_  
Electrical \_\_\_\_\_  
Fire Protection \_\_\_\_\_  
Other \_\_\_\_\_  
Other \_\_\_\_\_  
DCA Training Fee \_\_\_\_\_  
Cert. of Occ. \_\_\_\_\_  
Other \_\_\_\_\_  
Total exempt  
Check No. \_\_\_\_\_  
Cash \_\_\_\_\_  
Collected By: \_\_\_\_\_



# FIRE SUBCODE



PERMIT NO. 548101  
DATE ISSUED 10-27-81  
REVISION DATE 10-27-81  
Block 548101  
Subdivision 24

## A. IDENTIFICATION

APPLICANT - Complete unshaded areas only

When changing contractors, notify this office

Owner Brick Township Bd. of Ed.  
Address 101 Hendrickson Ave.  
Brick Town, NJ 08724

Contractor Institutional Systems Service Corp.  
Address 60 W. Prospect St.  
Walwick, NJ 07463

Tel. (201) 477-2800  
Tel. (201) 670-0005

Work Site Address Drum Point Rd. Schl.  
ISS Electrical Contracting Corp.  
Lic. No. 7848

Drum Point Rd., Brick, NJ  
Federal Emp. No. 22-2303384

## CERTIFICATION IN LIEU OF OATH:

(Complete for Minor Work and Small Job Only)

I hereby certify that the proposed work is authorized by the owner of record and I have been authorized by the owner to make this application as his agent.

Eud Koffman  
AGENT SIGNATURE

## B. TECHNICAL SITE DATA

### B1. SPRINKLERS

TYPE: ☐ Wet ☐ Dry ☐ Other \_\_\_\_\_

Area Sprinkled: ☐ Full ☐ Partial (Specify in comments)

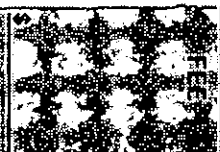
No. of Heads: \_\_\_\_\_ No. of Spare Heads: \_\_\_\_\_

☐ Valves Supervised - Method: \_\_\_\_\_ Size: \_\_\_\_\_

Water Supply - Source: \_\_\_\_\_

FD Connection Location: \_\_\_\_\_

Estimated Cost of Work: \$ \_\_\_\_\_



### B3. ALARM

TYPE: ☒ Manual ☒ Automatic

Supervision Type: ☐ Local ☒ Central

☐ Proprietary ☐ Remote Location

Estimated Cost of Work: \$ 19,467.00



### B2. SPECIAL SUPPRESSION SYSTEMS

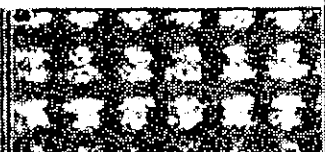
TYPE: ☐ Dry Chemical ☐ CO<sub>2</sub>

☐ Halon ☐ Foam

☐ Other \_\_\_\_\_

Manual Pull: ☐ Yes ☐ No

Locations: \_\_\_\_\_



### B4. STAND PIPES

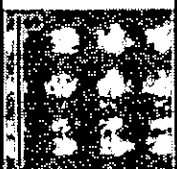
Pipe Size: \_\_\_\_\_ Pump Size: \_\_\_\_\_

Water Source: \_\_\_\_\_ Size: \_\_\_\_\_

FD Connection Location: \_\_\_\_\_

Hose Station: ☐ Yes ☐ No

Estimated Cost of Work: \$ \_\_\_\_\_



### B5. OTHER

The Detector Dept. Co. Supply Store  
1000 E. 1st St. N. York, Pa. 17401  
Detector Dept. Co. Supply Store  
1000 E. 1st St. N. York, Pa. 17401

Y E M P T Subtotal

Minimum Fire Protection Fee (If Applicable)

Total Fire Protection Fee (Greater of Minimum or Subtotal)



## C. FIRE PROTECTION CHARACTERISTICS

USE GROUP \_\_\_\_\_ Present \_\_\_\_\_ Proposed \_\_\_\_\_

Heating Systems - Location: \_\_\_\_\_

Type: ☐ Gas ☐ Oil ☐ Electrical ☐ Solar ☐ Other \_\_\_\_\_

Fuel Storage Tank - Location: \_\_\_\_\_ Fuel Type: \_\_\_\_\_ Capacity: \_\_\_\_\_

Total Estimated Cost of Fire Protection Work: \$ 19,467.00

## D. COMMENTS

☐ Partial Releases ☐ Prototype Processing

# PLAN REVIEW AND INSPECTION - FIRE

DATE

JOB CONDITION/COMMENTS

9-20-89 needs Bell out Side School & Stroke  
 ltr in Room 13 Alarm reset test  
 O.K. & on mr C.A. till work is done  
 9/21/89 Bell out side mat recd.  
 as per. phone Call with mr. Garrison State  
 Ed. Fire Sub. Cooke.

## JOB SUMMARY

- ☐ No Plans Required  
☐ Plan Review Approved

Date: 9-21-89

Approved By: JC

INSPECTIONS FINAL

☒ CO ☐ CCO ☐ CA

Date: 9-21-89

Inspected By: JC

## INSPECTIONS

Type

☒ Fire Suppression Test

☒ Fire Alarm Test

☐ Smoke Test

☐ TCO

☐ Other

☐ Other

☐ Other

☐ Other

Failure Date

Approval Date

9/20/89

9/21/89

# Institutional Systems Service Corp.

60 West Prospect Street  
Madison, New Jersey 07403

## Service Report

SERVICE ORDER NO.

No 43988

DATE

9-1-89

TECHNICIAN

CAL-JS

PHONE NO.

(201) 670-0005

TYPE WORK

- ☒ SYSTEM TEST  
☐ WARRANTY  
☐ INSTALLATION  
☐ BILLED SERVICE  
☐ CALL BACK

SERVICE CONTRACT

- ☒ SCHEDULED  
☐ EMERGENCY

SYSTEM

- ☐ CLOCK  
☐ FIRE  
☐ AUDIO  
☐ HOSPITAL  
☐ EMER. LITE  
☐ OTHER

JOB SITE

BILL TO

OUT-OF-POCKET EXPENSE

NAME

ADDRESS

CITY

STATE

ZIP

PERSON TO CONTACT

NAME

ADDRESS

CITY

STATE

ZIP

CUSTOMER ACCT. NO.

CUST. P.O. NO.

TRAVEL

VEHICLE

LOCAL PURCH.

TOTAL

MATERIAL REQUIREMENTS

EXT. PRICE

SERVICE CONTRACT NO.

TIME IN

TIME OUT

☐ JOB COMPLETED

☐ JOB INCOMPLETE

CUSTOMER COMPLAINT

SERVICE PERFORMED

MATERIAL TOTAL

STR. TIME

HRS.

/HR.

OVERTIME

HRS.

/HR.

TRAVEL TIME

HRS.

/HR.

MILEAGE

MILES

/MILE

EXPENSES

FREIGHT

TAX

TOTAL JOB AMOUNT

Inspection of New Fire Alarm

System in room 13 & outside bell

Cost of school upon Mr. Buchman

has been tested & OK Test will not

be covered till work is done by

Bill and will not be ready

CUSTOMER APPROVAL AND SIGNATURE

THE ABOVE SERVICE HAS BEEN PERFORMED TO MY COMPLETE SATISFACTION

Telephone: (201) 670-0005

Institutional  
**Systems Service Corp.**

60 West Prospect Street, Waldwick, New Jersey 07463

Fax: (201) 670-0215

SUBMITTAL TO: MR. WILLIAM SUTTON  
BUILDING INSPECTOR  
BRICKTOWN BOROUGH HALL  
401 CHAMBERS BRIDGE ROAD  
BRICK, NEW JERSEY 08724

SUBMITTAL FOR: FIRE ALARM SYSTEM RETROFIT  
BRICK TOWNSHIP BOARD OF EDUCATION  
MIDSTREAMS SCHOOL  
LANES MILL ROAD SCHOOL  
DRUM POINT ROAD SCHOOL

SUBMITTED BY: MR. FRANK J. MINUTILLO  
PROJECT MANAGER

DATE: AUGUST 7, 1989

Telephone: (201) 670-0005

Institutional  
**Systems Service Corp.**

60 West Prospect Street, Waldwick, New Jersey 07463

Fax: (201) 670-0215

BILL OF EQUIPMENT

DRUM POINT RD. SCHL.

BRICK TOWNSHIP, NJ

| <u>QUANTITY</u> | <u>CATALOG NUMBER</u> | <u>DESCRIPTION</u>            |
|-----------------|-----------------------|-------------------------------|
| 1               | 5753B                 | 10-Zone Fire Alarm Panel      |
| 8               | 5750B-102             | Smoke Receiving Modules       |
| 2               | 5750B-201             | Signal Modules                |
| 1               | 5759B                 | Battery Pack                  |
| 1               | 5750B-032             | City Connect Module           |
| 180             | 281                   | Thermal Detectors             |
| 24              | 6269B                 | Photoelectric Smoke Detectors |
| 16              | 270ASPO               | Manual Pull Stations          |
| 16              |                       | Pull Station Boxes            |
| 8               | 439D-10AW             | 10" 24 VDC Bells              |

Telephone: (201) 670-0005

Institutional  
**Systems Service Corp.**

60 West Prospect Street, Waldwick, New Jersey 07463

Fax: (201) 670-0215

BILL OF EQUIPMENT

MIDSTREAMS SCHOOL

BRICK TOWNSHIP, NJ

| <u>QUANTITY</u> | <u>CATALOG NUMBER</u> | <u>DESCRIPTION</u>               |
|-----------------|-----------------------|----------------------------------|
| 1               | 5753B                 | 10-Zone Fire Alarm Control Panel |
| 8               | 5750B-102             | Smoke Receiving Modules          |
| 2               | 5750B-201             | Signal Modules                   |
| 1               | 5759                  | Battery Pack                     |
| 1               | 5750B-032             | Municipal Connect Module         |
| 210             | 281                   | Thermal Detectors                |
| 22              | 6269B                 | Photoelectric Smoke Detectors    |
| 17              | 270ASPO               | Manual Pull Stations             |
| 17              |                       | Pull Station Boxes               |
| 11              | 439D-10AW             | 10" 24VDC Bells                  |

Telephone: (201) 670-0005

Institutional  
**Systems Service Corp.**

60 West Prospect Street, Waldwick, New Jersey 07463

Fax: (201) 670-0215

BILL OF EQUIPMENT

LANES MILL RD. SCHL.

BRICK TOWNSHIP, NJ

| <u>QUANTITY</u> | <u>CATALOG NUMBER</u> | <u>DESCRIPTION</u>            |
|-----------------|-----------------------|-------------------------------|
| 1               | 5753B                 | 10-Zone Fire Alarm Panel      |
| 8               | 5750B-102             | Smoke Receiving Modules       |
| 2               | 5750B-201             | Signal Modules                |
| 1               | 5759B                 | Battery Pack                  |
| 1               | 5750B-032             | Municipal Module              |
| 185             | 281                   | Thermal Detectors             |
| 24              | 6269B                 | Photoelectric Smoke Detectors |
| 16              | 270ASPO               | Manual Pull Stations          |
| 16              |                       | Pull Station Boxes            |
| 8               | 439D-10AW             | 10" 24VDC Bells               |


**EDWARDS**

INITIATING DEVICES

 SECTION 6000  
 PAGE E-17  
 ISSUE 4

**NON-CODED FIRE ALARM STATIONS**

# Fire Alarm Stations

## Features

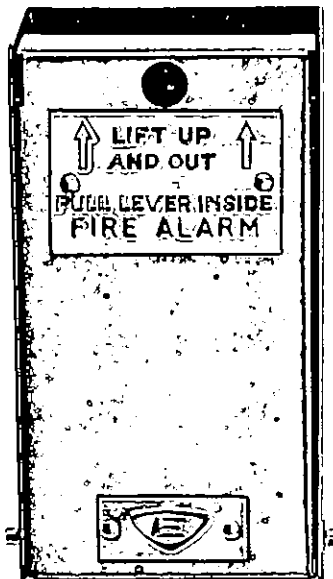
- ▣ PULL LEVER
- ▣ SIMPLE POSITIVE OPERATION
- ▣ BREAK GLASS
- ▣ ATTRACTIVE, STREAMLINE DESIGN
- ▣ SINGLE OR TRIPLE ACTION
- ▣ UL LISTED

## Description

Edwards Cat. No. 270 Series Non-Coded Fire Alarm Stations are sturdy, attractive and designed for economical installation.

The station is available in the following operational and functional designs:

- The basic Cat. No. 270 Series provides a single action, break glass initiating station. It is available with normally open (N.O.), normally closed (N.C.) or combination N.O./N.C. contacts. The basic Cat. No. 270 Series have screw terminals for field connection. The Cat. No. 270A Series Manual Stations have 6" wire leads.


**Cat. No. 270TC-SPO**

— The Cat. No. 270T Series are used with the Cat. No. 273 Steel Housing and provides a triple action station. The station is available with normally open or normally closed initiating contacts. The Cat. No. 270T Series Station also includes a trouble "tell tale" contact. The "tell tale" contact is available as normally open or normally closed and provides contact switching when the "second" action of the triple action device occurs. Screw terminals are provided for field connection.

— The Cat. No. 270P Series is a break glass, normally open presignal station.


**Cat. No. 270-SPO**

The pull of the lever sounds an alarm on all presignal indicating devices. Inserting a key and turning it will initiate a general evacuation alarm. Screw terminals are provided for field connection.

All non-coded stations are designed for either flush or surface mounting. For flush mounting a 4" square box with single gang plaster cover should be used. For surface mounting the Cat. No. 270 Series or 270P Series use; P-027193 Cast Box, P-039250 Steel Box, or Cat. No. 1291 Housing for weatherproof enclosure. For surface mounting the Cat. No's. 270T/273 Series Triple Action Station use P-039250-0002 Steel Box.

**WARNING:** These devices will not operate without electrical power. As fires frequently cause power interruptions, we suggest you discuss further safeguards with your local fire protection specialist.

## Specifications

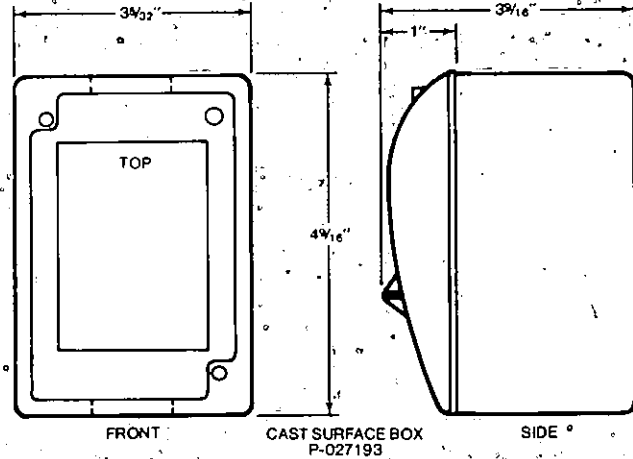
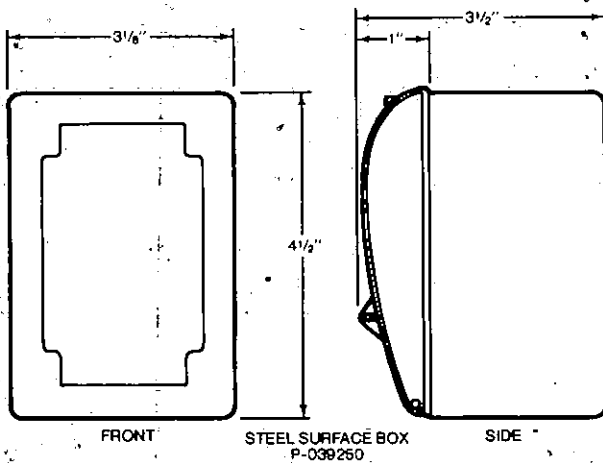
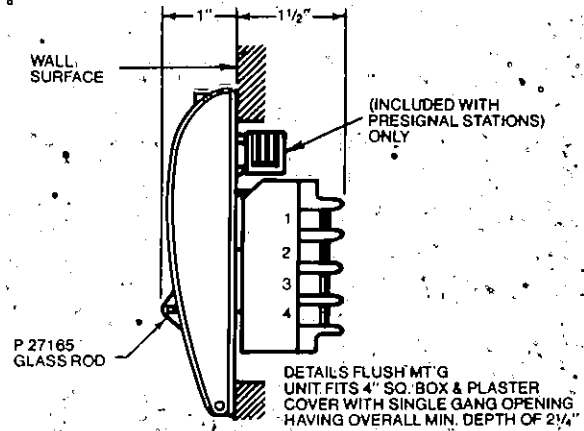
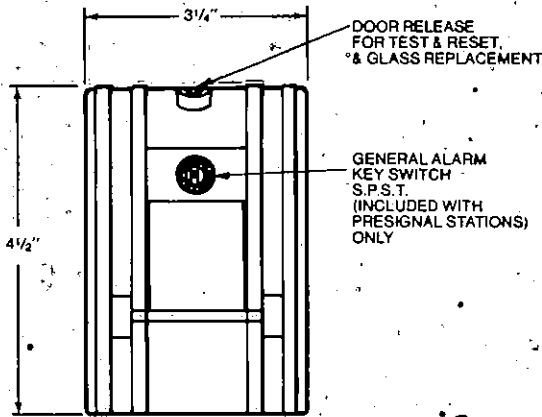
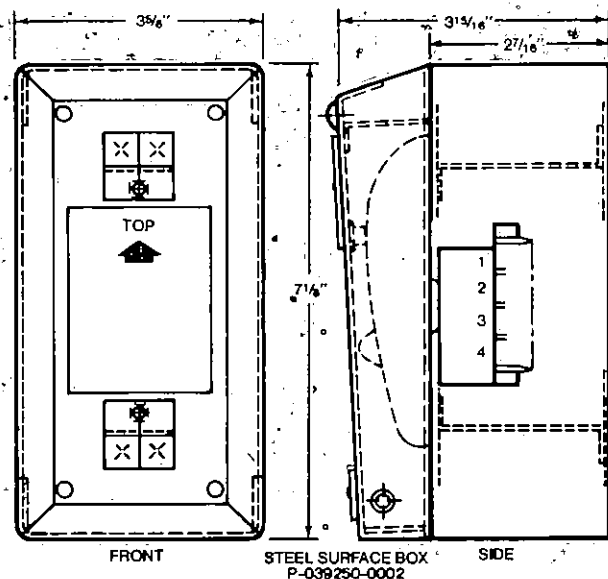
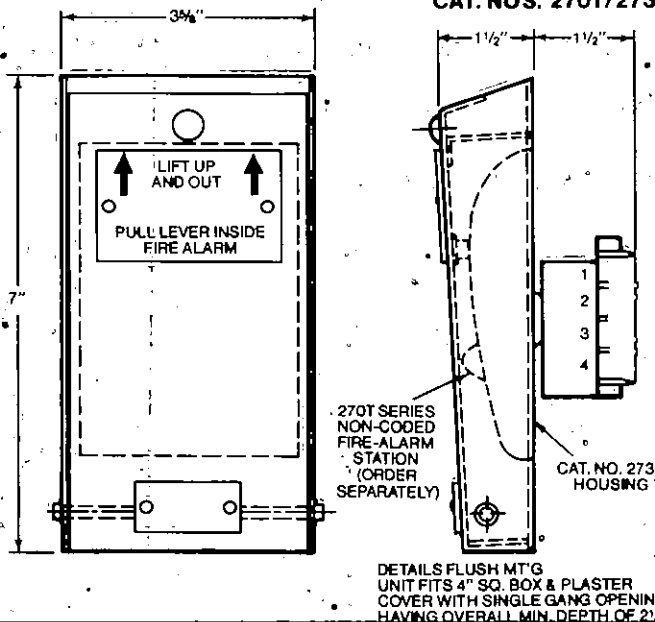
**FINISH:** 270 Series: Fire Alarm Red with Aluminum Strips - Markings: Top-FIRE ALARM\*\*, Handle - See Photo.

**FINISH:** 270T Series: Fire Alarm Red with Aluminum Instruction Plate - Markings: See Photo.

| Cat. No.   | UL Listed | Switch Contacts |             |                |              | Field Connections |           | Pre-Signal | Series Resistor | Trouble "Tell tale" Contact |
|------------|-----------|-----------------|-------------|----------------|--------------|-------------------|-----------|------------|-----------------|-----------------------------|
|            |           | Single Pole     | Double Pole | Closed Circuit | Open Circuit | Screw Terminals   | Wire Lead |            |                 |                             |
| 270-DOC    | x         |                 | x           | x              | x            | x                 |           |            |                 |                             |
| 270-DPC    |           |                 | x           | x              |              | x                 |           |            |                 |                             |
| 270-DPO    | x         |                 | x           |                | x            | x                 |           |            |                 |                             |
| 270-SPC    |           | x               |             | x              |              | x                 |           |            |                 |                             |
| 270-SPO    | x         | x               |             |                | x            | x                 |           |            |                 |                             |
| 270A-DPO   | x         |                 | x           |                | x            |                   | x         |            |                 |                             |
| 270A-SPO   | x         | x               |             |                | x            |                   | x         |            |                 |                             |
| *270L-DPO  | x         |                 | x           |                | x            | x                 |           |            | x               |                             |
| *270L-SPO  | x         | x               |             |                | x            | x                 |           |            | x               |                             |
| *270LP-DPO | x         |                 | x           |                | x            | x                 |           | x          | x               |                             |
| *270LP-SPO | x         | x               |             |                | x            | x                 |           | x          | x               |                             |
| 270P-DPO   | x         |                 | x           |                | x            | x                 |           | x          |                 |                             |
| 270P-SPO   | x         | x               |             |                | x            | x                 |           | x          |                 |                             |
| 270TC-SPO  |           | x               |             |                | x            | x                 |           |            |                 | x                           |
| 270TO-SPO  |           | x               |             |                | x            | x                 |           |            |                 | x                           |

\*For use on smoke detector circuits only.

\*\*For "Local Alarm" Add — (L) to Catalog Number (e.g. 270-SPO-(L) )

**NON-CODED FIRE ALARM STATIONS****Mounting****CAT. NO. 270 SERIES STATION****CAT. NO'S: 270T/273 SERIES STATION**


**EDWARDS**

INDICATING APPLIANCES

 SECTION 6000  
 PAGE F-5  
 ISSUE 2

**ALARM INDICATING APPLIANCES**

# Fire Alarm Audible/Visual Signals

## Features

- ☐ HORNS AND STROBE AVAILABLE AS INDIVIDUAL OR COMBINED UNITS.
- ☐ HIGH INTENSITY STROBE
- ☐ LOW CURRENT HORN
- ☐ ATTRACTIVE RED OR BEIGE LEXAN COVER
- ☐ WIRE LEADS OR TERMINALS
- ☐ WEATHERPROOF OPTIONS
- ☐ UL LISTED

## Description

The Edwards Electronic series of audible, visual and combination audible/visual signals are designed for use with compatible control equipment associated with life safety and communications systems.

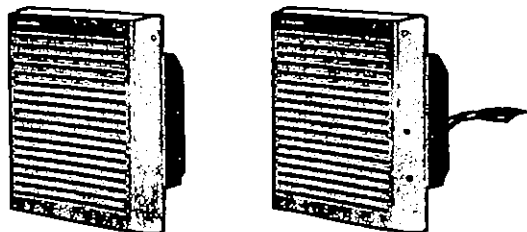
The Electronic series consists of a full line of attractive, similarly-styled horns, strobes and combined configurations. U.L. listed, they are available in a variety of models for both indoor and outdoor use for flush, surface or weatherproof mounting. Most models can be mounted on standard outlet boxes or on color coordinated boxes available from Edwards. Housings are of flame retardant, high impact Lexan with a U.L. flammability rating of 94V-0.

Horn and Strobe units are available in Red or Beige finish and with wire leads or terminal connections.

All strobe units use a Xenon flash tube for low power consumption and high reliability. The flash tube is covered with a white translucent Lexan lens imprinted "FIRE" in red.

**WARNING:** These devices will not operate without electrical power. As fires frequently cause power interruptions, we suggest you discuss further safeguards with your local fire protection specialist.

### Horns



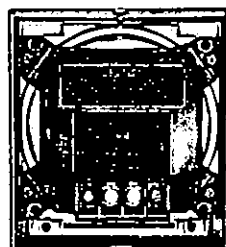
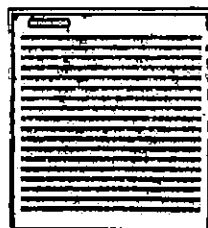
### Strobe



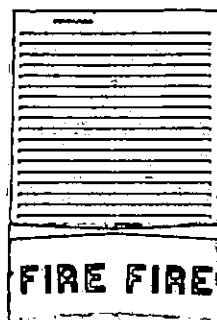
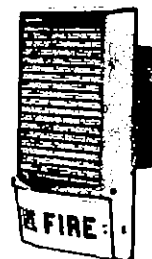
## Specifications

| Cat. No.                     | Current | Output | Finish       | Wire Leads   | Terminals    |
|------------------------------|---------|--------|--------------|--------------|--------------|
| 882-1B<br>Horn, 24VDC        | 30mA    | 87dBA  | Red<br>Beige | -001<br>-101 | -002<br>-102 |
| 882-2B<br>Horn, 24VDC        | 60mA    | 90dBA  | Red<br>Beige | -001<br>-101 | -002<br>-102 |
| 892-1B<br>Horn/Strobe, 24VDC | 70mA    | 87dBA  | Red<br>Beige | -001<br>-101 | -002<br>-102 |
| 892-2B<br>Horn/Strobe, 24VDC | 100mA   | 90dBA  | Red<br>Beige | -001<br>-101 | -002<br>-102 |

### Horn

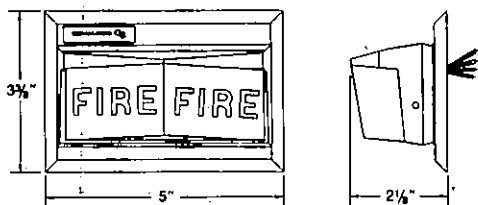


### Horn/Strobe Combination

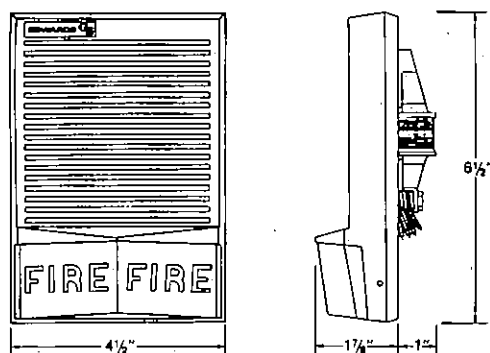


ALARM INDICATING APPLIANCES

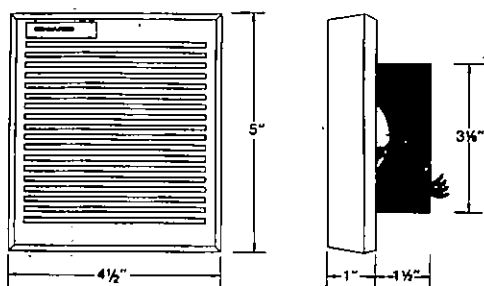
Mounting & Accessory Information  
WIRE LEADS



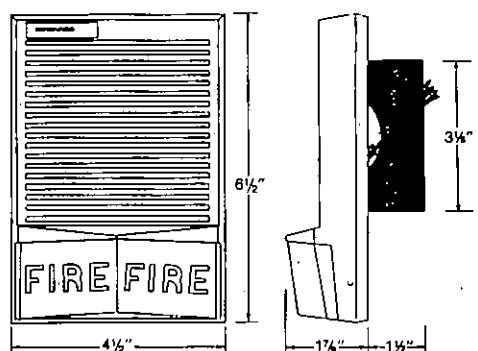
CAT. NO. 894B-001 — 24 VDC STROBE  
CAT. NO. 894B-002 — 120 VAC STROBE



CAT. NO. 895B-002 MECHANICAL HORN/STROBE

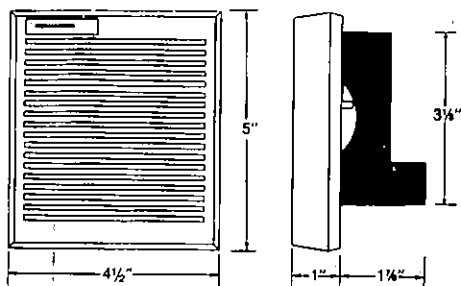


CAT. NO. 882-1B-001 (RED)  
CAT. NO. 882-1B-101 (BEIGE)  
CAT. NO. 882-2B-001 (RED)  
CAT. NO. 882-2B-101 (BEIGE)

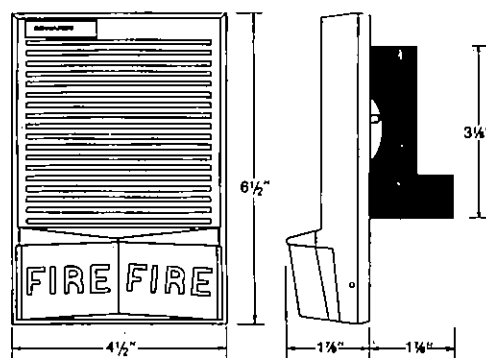


CAT. NO. 892-1B-001 (RED)  
CAT. NO. 892-1B-101 (BEIGE)  
CAT. NO. 892-2B-001 (RED)  
CAT. NO. 892-2B-101 (BEIGE)

TERMINAL CONNECTIONS



CAT. NO. 882-1B-002 (RED)  
CAT. NO. 882-1B-102 (BEIGE)  
CAT. NO. 882-2B-002 (RED)  
CAT. NO. 882-2B-102 (BEIGE)



CAT. NO. 892-1B-002 (RED)  
CAT. NO. 892-1B-102 (BEIGE)  
CAT. NO. 892-2B-002 (RED)  
CAT. NO. 892-2B-102 (BEIGE)

## 5750 SERIES LOW VOLTAGE MULTIPLE ZONE SYSTEM

## Control Panels

### 5752B

— Up to 5 Circuit Capacity

### 5753B

— Up to 10 Circuit Capacity

- ▣ FOR LOW VOLTAGE, MULTIPLE-ZONE SYSTEMS
- ▣ UL LISTED
- ▣ MODULAR

## Features

- ▣ ZONED VISUAL ALARM AND TROUBLE INDICATORS.
- ▣ FILTERED 24V DC OUTPUT TERMINALS — for use with 4-wire detectors.
- ▣ INTEGRAL BATTERY CHARGER.

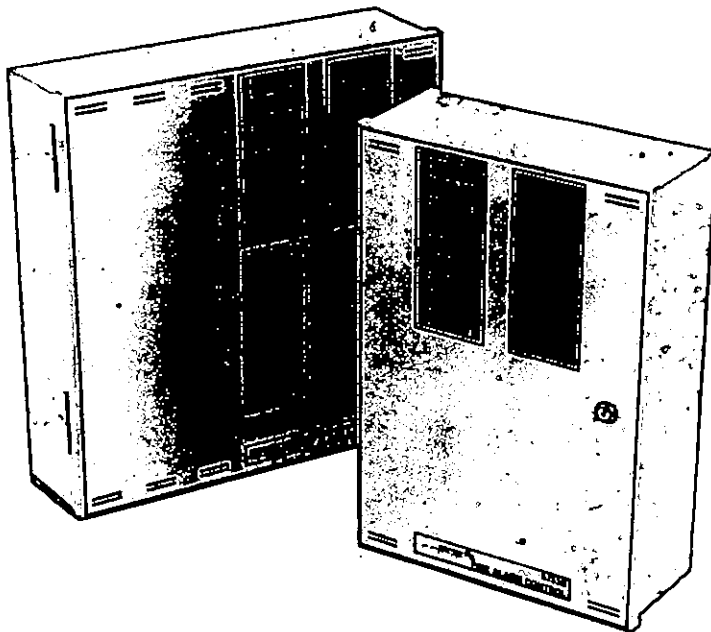
## Optional Features

- ▣ CLASS A OR CLASS B ALARM INITIATING AND INDICATING CIRCUITS.
- ▣ RECHARGEABLE BATTERY, GEL TYPE.
- ▣ REMOTE STATION OR MUNICIPAL TIE WITH DISCONNECT.
- ▣ REMOTE TROUBLE INDICATION.

## Description

Control Panels are for use in buildings that require a supervised, zoned fire alarm system. The surface mounted cabinets have a cream textured finish and are attractively designed to blend with any decor.

UL Listed, these Control Panels meet requirements of Article 760, Part C of the National Electrical Code allowing power limited fire protective signaling circuits.



## Operation

There are three modes of operation in an electrically supervised fire alarm system:

1. **Supervisory Mode** — Normal Operating Condition. All power to the system is turned on. The POWER-ON lamp is lit. No alarms are in progress. The trouble signal is silent and the COMMON TROUBLE lamp is off. Trouble lamps on all zone receiving and signal modules are extinguished.
2. **Alarm Mode** — Operation of any initiating device will sound alarm signals. Alarm buzzer sounds at panel. A red ZONE lamp and common ALARM lamp flash at panel. The flashing ZONE lamp indicates the location from which the alarm originated. Common alarm contacts are also operated.
3. **Trouble Mode** — When a fault, such as an open develops in the initiating circuit, or open or short develops in the signaling circuit, the system trouble buzzer sounds continuously and the ZONE and common TROUBLE lamps are illuminated at the panel. The zone lamp indicates the faulty circuit. Common trouble contacts are also operated.

**When main power failure occurs**, the system transfers to Standby Battery power, the COMMON TROUBLE lamp is lit; the buzzer sounds and the POWER-ON lamp is extinguished.

## Control Panels

**Cat. No. 5752B** — 5 Circuit Fire Alarm Control Panel. Can utilize a combination of up to five receiving and signaling modules. Has capacity for all optional modules listed. Any listed optional module can be installed in panel.

**Cat. No. 5753B** — 10 Circuit Fire Alarm Control Panel. Same features as 5752B, but with a capacity of ten modules.

## Plug-In Options

The following modules plug into Cat. No. 5752B and 5753B Control Panels.

One Cat. No. 5750B-( ) module is required for each alarm receiving zone.

### Cat. No. 5750B-101 Alarm Receiving Module

Supervised, Class B, initiating circuit with common alarm/trouble lamp used with any N/O initiating contact, i.e. thermal detectors, non-coded fire alarm stations. Includes field selected, normally open or normally closed, SPST auxiliary alarm contact.

# 5750 SERIES LOW VOLTAGE MULTIPLE ZONE SYSTEM

## Cat. No. 5750B-102

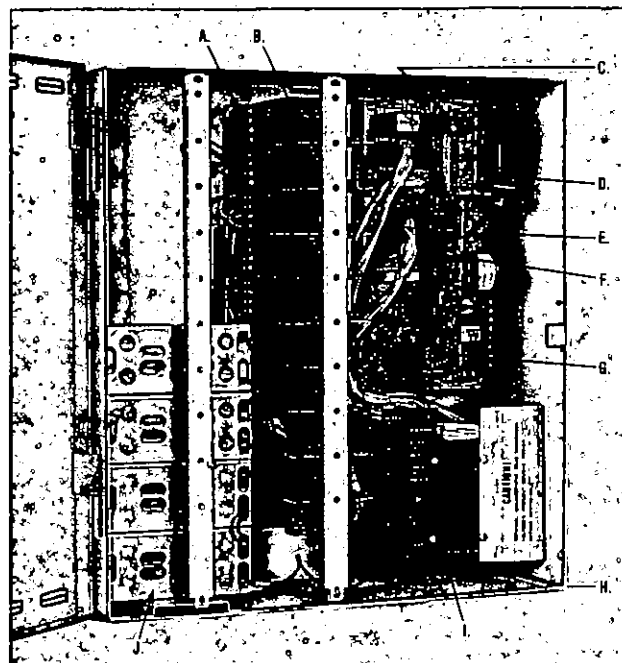
### Alarm Receiving Module

Supervised, Class B, initiating circuit for low voltage ionization or photoelectric detectors. Includes common alarm/trouble lamp. Provisions for field selected, normally open or normally closed, SPST auxiliary alarm contact. Module provides 22V DC for detector operation. This provides capacity for 50 Ionization or Photoelectric-Type Smoke Detectors. N/O initiating contacts can be mixed on the same circuit. i.e.-thermal detectors and non-coded manual fire alarm stations.

## Cat. No. 5750B-105

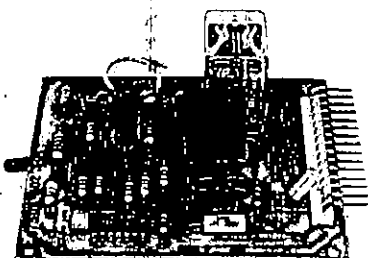
### Alarm Receiving Module, Class A

Supervised, Class A, initiating circuit for low voltage initiating devices such as ionization and/or photoelectric detectors; thermal detectors and non-coded fire alarm stations. Includes common alarm/trouble lamp. Module provides 22V DC for detector operation. This provides capacity for 50 Ionization or Photoelectric-Type Smoke Detectors. N/O initiating contacts can be mixed on the same circuit. i.e.-thermal detectors and non-coded manual fire alarm stations.



A. 10 Circuit Strip Panel.  
B. Receiving or Signalling Modules.  
C. Lamp Module.  
D. Battery Charger Module.  
E. Main Control Board.

F. Signal Control Module.  
G. City Module.  
H. Wall Box.  
I. Power and Switch Assembly.  
J. 24V Battery Packs.



## Signal Modules

(Alarm Indicating)

The following modules plug into Cat. No. 5752B and 5753B Control Panels.

One Cat. No. 5750B-( ) module is required for each alarm indicating zone.

### Cat. No. 5750B-201 Signal Module

Supervised, Class B, indicating circuit for polarized parallel 24V DC signals. Maximum signal current is 3 amps. Includes trouble lamp and automatic signal disconnect circuitry for short circuit protection.

### Cat. No. 5750B-203 Signal Module, Class A

Supervised, Class A, indicating circuit for polarized parallel 24V DC signals. Maximum signal current is 3 amps. Includes trouble lamp and automatic signal disconnect circuitry for short circuit protection.

## Remote Station Modules

A receptacle is provided for one 5750B-( ) module in Cat. No. 5752B and 5753B Control Panels. Select one of the following (if required):

### Cat. No. 5750B-031

#### Remote Station Module (optional)

Provides auxiliary SPDT, alarm operated contact, Manual disconnect switch and disconnect lamp is provided on the control panel.

### Cat. No. 5750B-032

#### Remote Station, Reverse Polarity Module (optional)

Transmits reverse polarity alarm to remote station. Provides auxiliary SPDT alarm operated contacts. Manual disconnect switch and disconnect lamp is provided on the control panel.

### Cat. No. 5750B-033

#### Municipal Tie Module (optional)

For use with shunt or local energy type master box. Provides auxiliary SPDT alarm operated contact when used with local energy box. Manual disconnect switch and disconnect lamp is provided on the control panel.

## Secondary Power Battery Pack

### Cat. No. 5750B Battery Pack, 4.5 A.H.

Sealed lead acid battery for standby power operation. Includes assembly, interconnecting cable and rack.

## Accessories

### Cat. No. 5752B-001 Flush Trim

For flush mounting one 5752B Control Panel.

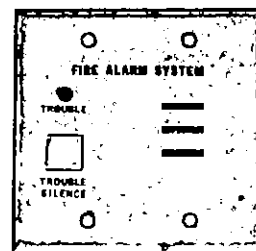
### Cat. No. 5753B-001 Flush Trim

For flush mounting one 5753B Control Panel.

### Cat. No. 5712

#### Remote Trouble Unit (Optional)

Solid-state, 2-wire unit complete with trouble buzzer, local trouble silence push and trouble lamp (LED). Standard 2 gang faceplate. Finish is textured Laurentian cream.



**EDWARDS****5750 SERIES LOW VOLTAGE MULTIPLE ZONE SYSTEM**

## Guide Specifications

Contractor shall furnish and install one Fire Alarm Control Panel, Catalog Number 5752B or Catalog Number 5753B or equivalent. The Fire Alarm Control Panel shall be Underwriter's Laboratories (U.L.) Listed and shall meet the requirements for power limited fire protection signaling circuits of Part C of Article 760 National Electrical Code.

The Fire Alarm Control Panel shall provide for: (choose one)

- Up to five circuits of fire alarm receiving and/or signaling zones (Catalog Number 5752B).
- Up to ten circuits of fire alarm receiving and/or signaling zones (Catalog Number 5753B).

The Control Panel shall automatically sound the trouble buzzer, light the trouble lamp and cause the auxiliary trouble contacts to transfer when a fault occurs on any supervised circuit. A trouble silence switch shall silence the trouble buzzer. The trouble signal shall resound when the fault is cleared (ring back) and restoration of the trouble silence switch will silence the trouble buzzer and extinguish the trouble lamp.

The Control Panel shall include an auxiliary Form "C" contact for each of the following: panel alarm and panel trouble. The Control Panel shall provide an auxiliary, resettable 24V DC output.

Each alarm receiving zone shall include a red alarm/trouble lamp to visually indicate circuit status. In the alarm mode, the lamp shall flash and in the trouble mode, the lamp shall light steady. The alarm receiving zone(s) shall provide for: (select from the following):

- Supervised Class B circuit for the parallel connection of normally open initiating devices, with field selectable normally open or normally closed SPST, 3.0A auxiliary alarm operated contact. (Catalog Number 5750B-101.)
- Supervised Class B circuit for the two-wire connection of low voltage ionization and/or photoelectronic smoke detectors. Shall include field selected normally open or normally closed SPST, 3.0A auxiliary alarm operated contact. The zone shall accommodate a maximum of fifty ionization or photoelectronic type smoke detectors. (Catalog Number 5750B-102.)

| BATTERY SIZE<br>SELECTION CHART                        |                                                | CONTROL PANEL        |      |      |      |      |                       |      |      |      |      |
|--------------------------------------------------------|------------------------------------------------|----------------------|------|------|------|------|-----------------------|------|------|------|------|
|                                                        |                                                | 5752B (1-5 CIRCUITS) |      |      |      |      | 5753B (1-10 CIRCUITS) |      |      |      |      |
|                                                        | QTY. OF RECEIVING ZONES                        | 1                    | 2    | 3    | 4    | 5    | 6                     | 7    | 8    | 9    | 10   |
|                                                        | QTY. OF SIGNALING ZONES                        | 1                    | 1    | 1    | 1    | 2    | 1                     | 1    | 1    | 1    | 2    |
| 24 HOURS OF SUPERVISION FOLLOWED BY 5 MINUTES OF ALARM | AMPERE HOUR RATING OF 24V BATTERY              | 2.8                  | 3.63 | 4.11 | 4.59 | 4.11 | 5.07                  | 5.55 | 6.03 | 6.51 | 6.51 |
|                                                        | QTY. OF CAT. 5750B-4, 5 BATTERY PACKS REQUIRED | 1                    | 1    | 1    | 2    | 1    | 2                     | 2    | 2    | 2    | 2    |
| 60 HOURS OF SUPERVISION FOLLOWED BY 5 MINUTES OF ALARM | AMPERE HOUR RATING OF 24V BATTERY              | 4.39                 | 6.3  | 7.5  | 8.7  | 7.5  | 9.9                   | 11.1 | 12.3 | 13.5 | 13.5 |
|                                                        | QTY. OF CAT. 5750B-4, 5 BATTERY PACKS REQUIRED | 1                    | 2    | 2    | 2    | 2    | 3                     | 3    | 3    | 3    | 3    |

- Supervised Class A circuit for the connection of low voltage ionization and/or photoelectronic smoke detectors. The zone shall accommodate a maximum of fifty ionization or photoelectronic type smoke detectors. (Catalog Number 5750B-105.)

Each alarm indicating (signaling) zone shall include a red trouble lamp to visually indicate circuit status. The lamp shall light steady when the zone is in trouble. The lamp will remain on until the circuit fault is corrected. Upon alarm, signal power will be applied to the signal appliances connected on that zone. The alarm indicating module will provide for: (select from the following)

- Supervised Class B, parallel connected 24V DC signals. Each alarm indicating zone shall include automatic signal disconnect circuitry for protection against signal current overload. (Catalog Number 5750B-201.)
- Supervised Class A, parallel connected 24V DC signals. Each alarm indicating zone shall include automatic signal disconnect circuitry for protection against signal current overload. (Catalog Number 5757B-203.)

The primary power to the Fire Alarm Control Panel shall be 120V AC. The Fire Alarm Control Panel shall include an integral battery charger which will provide for the automatic charging of up to 3 Cat. No. 5759B Secondary Power Battery Packs.

## Optional

1. The Fire Alarm Control Panel shall provide for: (choose one)

- Transmission of alarm and trouble signal to a remote station. (Catalog Number 5750B-031.)
- Transmission of an alarm signal to a remote station that operates on polarity reversal. (Catalog Number 5750B-032.)
- Transmission of an alarm signal to a shunt type or local energy master box. (Catalog Number 5750B-033.)

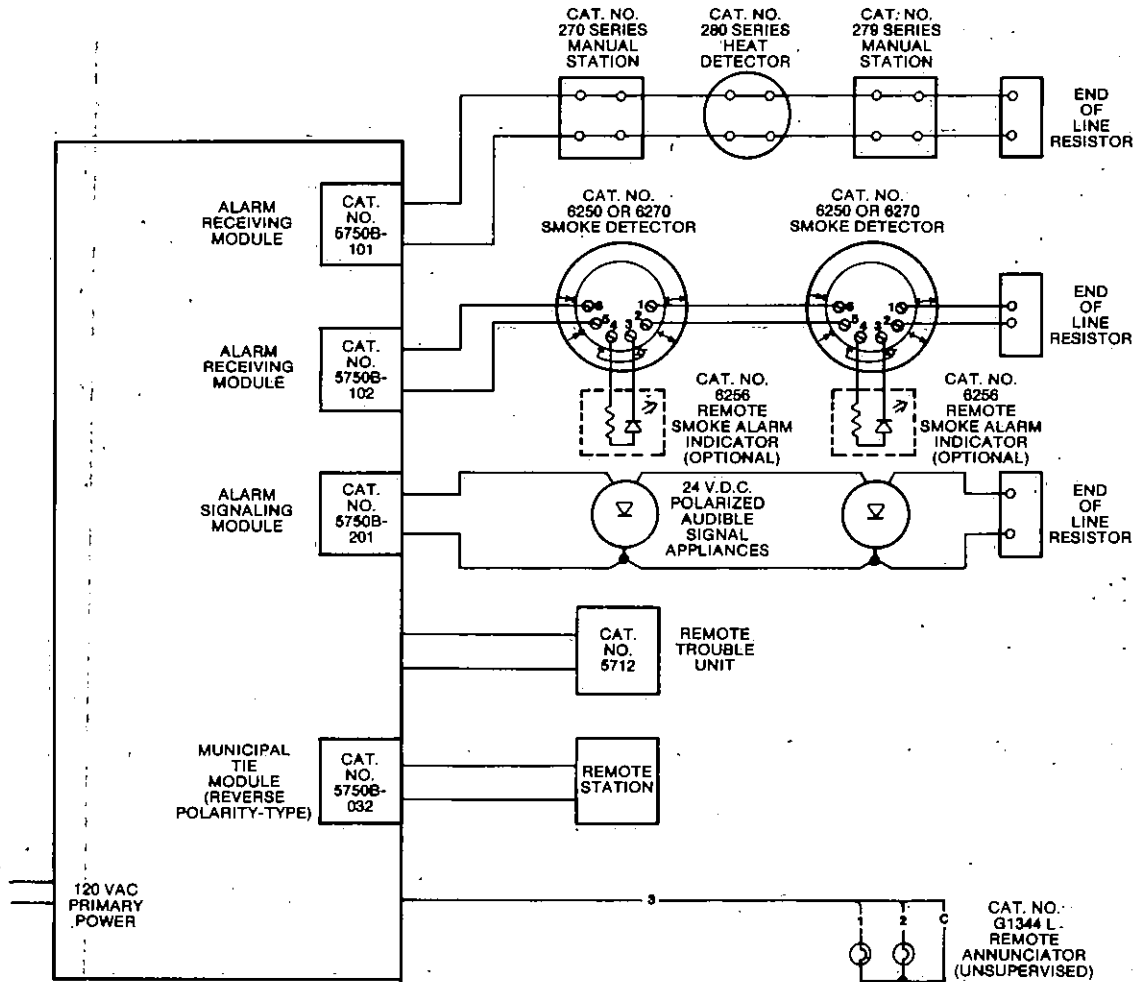
2. The Fire Alarm Control Panel shall have a remote trouble unit complete with trouble buzzer, local trouble silence push and LED trouble lamp. (Catalog Number 5712.)

The Fire Alarm Control Panel including all panel options shall be enclosed in a beige steel cabinet. The cabinet shall have a hinged front door with key lock which provides access to panel operating controls.

Matching trim shall be supplied for flush mounted installation of the one cabinet. (Catalog Numbers 5752B-001 or 5753B-001.)

**5750 SERIES LOW VOLTAGE MULTIPLE ZONE SYSTEM**

# Typical Wiring Diagram



TYPICAL 5752 OR 5753 SYSTEM WIRING

\*OBSERVATION OF POLARITY REQUIRED ONLY WHEN REMOTE SMOKE ALARM INDICATORS OR CAT. NO. 6251B-002 RELAY BASES ARE USED.

## Notes



EDWARDS

## AREA SMOKE DETECTION

# Smoke Detector

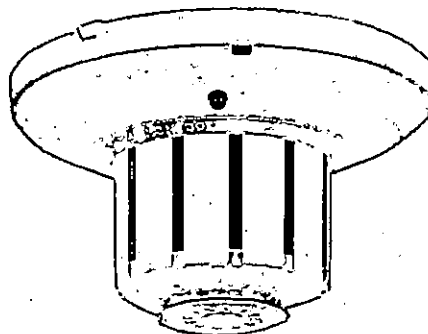
Cat. No.  
6269B Series  
Photoelectric-Type  
24 Volts D.C.

## Features

- ▣ PHOTO-OPTIC SENSING CHAMBER.
- ▣ 50 FOOT RATED, 135°F HEAT DETECTOR OPTIONAL.
- ▣ COMPLETE WITH MOUNTING BASE. WITH 8" WIRE LEADS.
- ▣ TAMPER RESISTANT.
- ▣ NON POLARIZED — Simplifies installation of field wiring.
- ▣ TWO WIRE CIRCUIT — Minimizes installation wiring cost. Can be used on same circuit with all existing Edwards two wire smoke detectors.
- ▣ 30 DETECTORS ON TWO WIRE CIRCUIT.
- ▣ LOCAL FUNCTIONAL TEST MEANS — Provides calibrated functional test of complete detector, eliminating the need to generate smoke.
- ▣ LOW CURRENT DRAIN — Standby current is 50uA, alarm current is 55mA at nominal voltage.
- ▣ VISUAL INDICATION OF ALARM — Lamp (LED) on unit lights on alarm.
- ▣ REMOTE VISUAL ANNUNCIATOR CAPABILITY.
- ▣ U.L. LISTED.

## Description

Edwards Cat. No. 6269B series photoelectric type smoke detector operates on the light scattering principle, utilizing the



CAT. NO. 6269B-003

most advanced photo-optic chamber design in detector technology. The detector senses visible products of combustion and responds quickly to both fast burning fires and slow smoldering fires.

The detector initiates an alarm signal and lights an indicator on the unit to give visual on-the-spot indication of alarm.

The Cat. No. 6269B is designed with an inherent stability that inhibits false alarms caused by transient electrical disturbances. It combines a solid state infrared light emitting diode (IR LED) and a high speed, light sensing photo diode (PD) within a sensing chamber. The detector is not affected by temperature, humidity and barometric changes. Air movement at any velocity has no effect on photoelectric detector sensitivity and will not trigger a false alarm. Sensitivity is preset for quick field installation. An inherent 5 second delay in responding to smoke prevents false alarms due to transient smoke.

Reliable, solid-state circuitry minimizes current drain and allows up to 30 detectors to be wired per zone.

The detector is powered and supervised from the same two-wire power limited low voltage circuit.

Incorporated within the detector is a sensitivity test means which make calibrated sensitivity checking and trouble shooting easy without sophisticated test equipment or the need to generate smoke. A special test tool (Cat. No. 6278) is required to conduct this test.

Field wiring connections are made to wire leads. Tamper resistant feature resists unauthorized removal of detector.

To install detector, align the arrow on the detector with the arrow on the mounting plate. The detector automatically locks to the mounting plate with a push and twist motion.

The detector is easy to install, clean, and maintain.

## Specifications

### CAT. NO. 6269B SERIES

|                              |                                                                                             |
|------------------------------|---------------------------------------------------------------------------------------------|
| Sensitivity .....            | The 6269B meets U.L. 268 at 0.7% to 2.8% obscuration per foot. Factory set at 2.0% nominal. |
| Detection Smoke .....        | Photo-optic sensing chamber                                                                 |
| Heat (optional) ..           | 135°F thermal element rated for 50' spacing.                                                |
| Operating Voltage Range—     | 19 to 26 VDC                                                                                |
| Nominal—                     | 22 VDC                                                                                      |
| Current Consumption          |                                                                                             |
| Standby .....                | 50uA at nominal voltage.                                                                    |
| Alarm .....                  | 55mA maximum at nominal voltage, or as limited by associated control equipment.             |
| Supervisory .....            | Limited by associated control equipment.                                                    |
| Temperature .....            | 32° to 100° F                                                                               |
| Humidity Range .....         | 0% to 93% Relative Humidity.                                                                |
| Visual Alarm Indicator ..... | Light emitting diode (L.E.D.).                                                              |
| Color .....                  | White                                                                                       |
| Weight .....                 | 1 lb.                                                                                       |

**WARNING:** These devices will not operate without electrical power. As fires frequently cause power interruptions, we suggest you discuss further safeguards with your local fire protection specialist.

Smoke detectors are not designed to detect toxic gases which can build up to hazardous levels in some fires.

## Ordering Information

6969B — Photoelectric smoke detector.  
6269B-003 — Combination photoelectric and 135°F heat detector. Heat detector UL rated for 50 foot spacing.

## AREA SMOKE DETECTION

### Application Data

On smooth ceilings up to 15 feet high, maximum 30-foot spacing of smoke detectors is recommended. Closer detector spacing normally results in faster response. Avoid corners that create dead air spaces and locations near ventilating outlets that create drafts of high air velocities.

On a sloped ceiling, locate the highest detectors within 3 horizontal feet of the peak. Ceilings with beams, joists or soffits, that exceed 8 inches depth, require individual planning and usually, closer spacing than a smooth ceiling.

Do not use smoke detectors in locations where combustion products will normally be present in the air. Typical of these locations are kitchens, furnace rooms, welding areas and garages.

Detectors connected to two wire Initiating circuits may be rendered inoperative when manual stations or heat detectors on the same zone operate.

For additional application information see Technical Bulletin P-847550-0222, or contact an Edwards representative.

### Installation

The 6269B may be mounted on a standard 3-1/4", 3-1/2" or 4" octagon box, 1-1/2" deep (minimum). A 6252 surface trim ring is available to adapt the 6269B to fit a standard 4" square box. For field wiring connections use appropriate fasteners (supplied by others) for connection to the detectors wire leads.

### Mounting

For flush mounting the box is recessed into the ceiling. The 6255 bracket may be used for mounting the detector on drop or suspended ceilings.

For surface mounting the box is mounted directly on the ceiling. The 6253 skirt is a decorative enclosure that will cover any 3-1/4", 3-1/2" or 4" octagon box, 1-1/2" deep maximum.

### Guide Specifications

#### AREA SMOKE DETECTORS

Furnish and install, where indicated on the plans, Edwards Cat. No. 6269B smoke detectors. Detectors shall be of solid state design consisting of an Infrared light emitting diode and a high-speed light sensing photo diode within a sensing chamber operating on the photo electric principle and be capable of detecting visible products of combustion.

The detectors sensitivity range shall be factory set.

All smoke detectors shall be equipped with self-compensating circuitry to provide maximum stability against effects of aging, dust and film accumulation.

The detector shall be equipped with a smoke response delay of approximately 5 sec. to prevent false alarms due to transient smoke.

The detector shall be designed to latch into alarm. An alarm condition shall be indicated by a steady red glow from the lamp (LED) mounted on the detector.

Remote smoke alarm indicators shall be connected to detectors where shown on the plans.

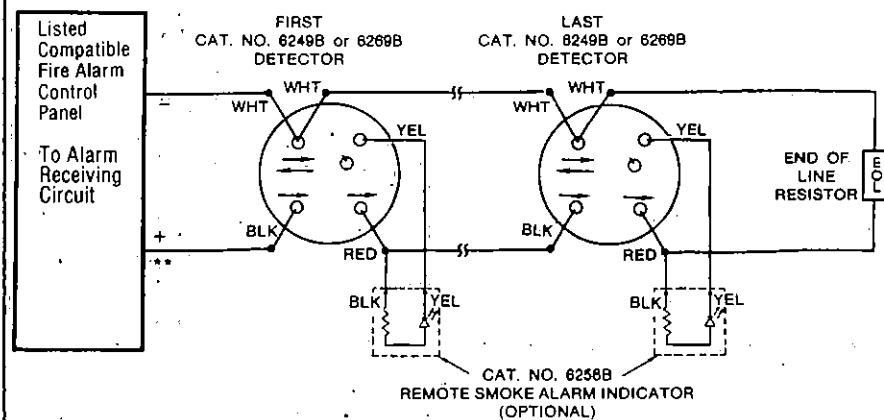
A calibrated test means within the detector shall be capable of simulating a maximum acceptable amount of less than 6% smoke for alarm. The test feature shall provide individual calibrated testing of the detector and shall not require generation of smoke within the building, or the use of aerosol sprays.

The detector shall be complete with an integral base. The base shall be provided with wire leads for field wiring connections. The detector shall mount to a plate with a tamper resistant feature which shall resist unauthorized removal of the detector. The detector shall be removable by using a special removal tool.

Detectors shall be wired to the control panel with a two wire circuit using 2 conductor copper cable. Maximum number of detectors per circuit shall be in accordance with system zoning requirements and/or the fire alarm control panel limitations.

The detector shall be listed by Underwriters' Laboratories (UL) under their current standard for smoke detectors, U.L. 268 with a minimum sensitivity setting of 2.8% obscuration per foot.

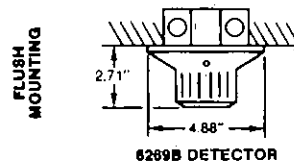
### Installation Wiring



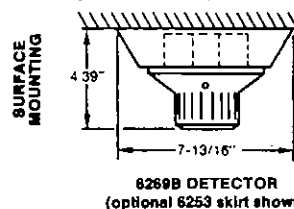
\*\*OBSERVATION OF POLARITY ONLY REQUIRED WHEN REMOTE SMOKE ALARM INDICATOR IS USED.

### Mounting

STANDARD 3-1/4", 3-1/2", 4" OCTAGONAL 1-1/3" DEEP ELECTRICAL OUTLET BOX



STANDARD 3-1/4", 3-1/2", 4" OCTAGONAL 1-1/3" DEEP ELECTRICAL OUTLET BOX





EDWARDS

## HEAT DETECTORS

# Heat Detectors

Cat. No. 280A Series  
Rate-of-Rise and  
Fixed Temperature  
Single Pole —  
Normally Open  
Contact.

Use For Property  
Protection Only.

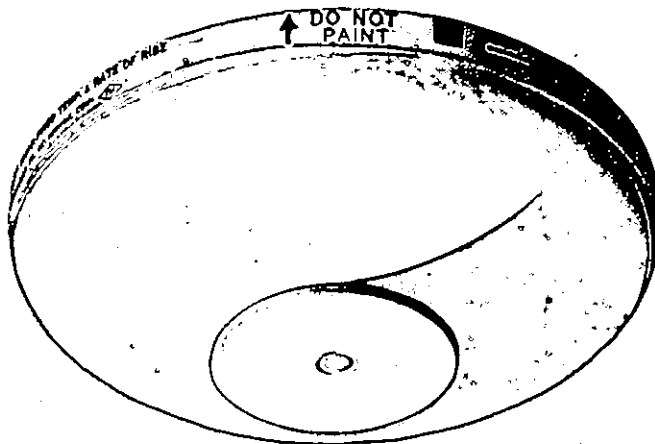
## Features

- WHITE — blends with ceiling.
- LOW PROFILE — with wide base covering mounting plate and box.
- POSITIVE OPERATING INDICATION — when fixed temperature element is activated center disc falls free from detector. (Detector replacement is required.)
- ON SITE TESTING — Rate-of-rise feature is automatically self-restoring permitting on site testing of this feature.
- EASY INSTALLATION — twist and it locks in place; same mounting plate for 3/4 or 4 inch octagonal box, or open mounting. Terminals clearly marked.
- WIDE SPACING — U.L. rated for 50 foot centers on rate-of-rise units, 25 foot centers on fixed temperature units. (See Specification Table for details.)
- LISTINGS AND APPROVALS — UL, FM, ULC.

## Description

This series of EDWARDS heat detectors provides high quality, reliability, and the ultimate in design and decor. The low silhouette and pure white finish blend with practically all ceiling designs to provide an unobtrusive unit.

Heat Detectors are available with 135 or 194 degree Fahrenheit ratings; for fixed, or fixed and rate-of-rise of temperature operation. All detectors are single circuit with normally open contacts.



The Heat Detector is available with either a metal or a white plastic reversible mounting plate. Both the plastic and metal plates are designed for surface or flush mounting.

The Detector Specifications table lists those detectors which are available with a 10K ohm or 560 ohm resistor in series with the alarm contact, for use on smoke detector circuits.

### WARNINGS

**1. DANGER -** This device does not protect life against fire and smoke. In most fires, hazardous levels of smoke, heat and toxic gases can build up before a heat detector would initiate an alarm. Independent studies indicate that heat detectors should only be used when property protection alone is involved. In cases where life safety is a factor, the use of smoke detectors is recommended.

The Intended use of the Edwards 280A Series Heat Detector is to provide one source of information that is supplemental to smoke detection to increase the probability that an early warning will be provided so that property can be safeguarded. Heat detectors do not always detect fires because the fire may be a slow smoldering, low heat type (producing smoke) or because they may not be near where the fire occurs, or because the heat of the fire may bypass them. This detector will not detect oxygen levels, smoke, toxic gases, or flames. Accordingly, this device should only be used as a part of a broadly based program of fire safety which would include a variety of sources of information on heat and smoke levels, visual sighting of the fire, extinguishment systems, and other safety measures.

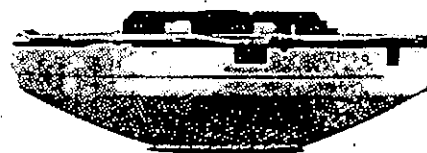
If they are spaced in accordance with the directions in the Detector Specifications table, they can contribute, within an overall fire safety program, to reducing the risk of avoidable property losses. Under no circumstances should these devices be relied on as the sole measure to ensure fire safety. Danger will result if these devices are relied on to any degree for the protection of human life.

**2. DANGER -** This device does not contain a built-in signal. Alarm signals can only be generated by interconnection with separately installed signaling devices.

**3. DANGER -** This device will not operate without electrical power, and fires often cause cutoffs of electrical power. This device *does not contain a battery backup power supply*. If the electrical circuit feeding the device is cut, or is not providing power for any reason, this device will not detect heat or provide any warning of a possible fire, nor will it provide any warning that it is not functioning.

**4. DANGER -** The rate-of-rise feature on the Edwards 280A Series Heat Detector is subject to failure over time. The rate-of-rise feature should be tested by a qualified fire protection specialist annually to ensure that it is in working order.

## HEAT DETECTORS



## Specifications

| Edwards<br>Catalog No. | Number<br>of Circuits | Normal<br>Condition of<br>Contacts | Rate-of-Rise<br>or Fixed Temp.<br>(See Note 6) | U.L. Temp.<br>Rating<br>°F | U.L. Max.<br>Ambient<br>Ceiling Temp.<br>Rating<br>°F | Maximum Coverage (See Note 4) |         |                                            |
|------------------------|-----------------------|------------------------------------|------------------------------------------------|----------------------------|-------------------------------------------------------|-------------------------------|---------|--------------------------------------------|
|                        |                       |                                    |                                                |                            |                                                       | Sq. Ft.                       | Spacing | Max. Distance<br>from Wall<br>(See Note 5) |
| 281A<br>282A           | 1<br>1                | Open<br>Open                       | ROR & Fixed<br>ROR & Fixed                     | 135<br>194                 | 100<br>150                                            | 2,500                         | 50'     | 25'                                        |
| 283A<br>284A           | 1<br>1                | Open<br>Open                       | Fixed<br>Fixed                                 | 135<br>194                 | 100<br>150                                            | 625                           | 25'     | 12½'                                       |

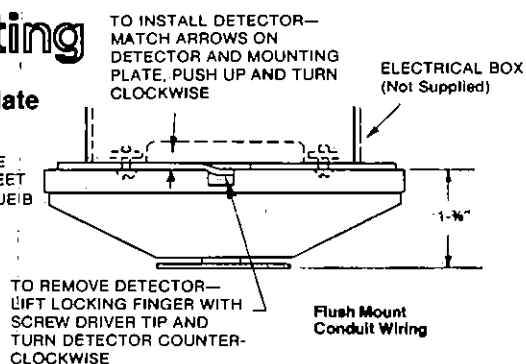
Contact rating on all models is 3 amps @ 6 to 125 VAC, 1.0 amps @ 6 to 28 VDC, 0.3 amps @ 125 VDC, and 0.1 amps @ 250 VDC.

## Notes:

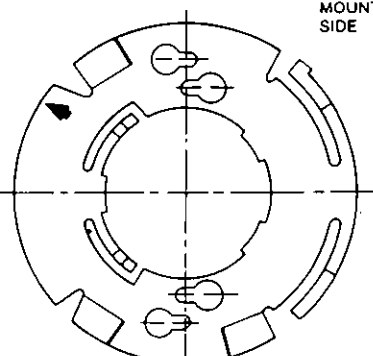
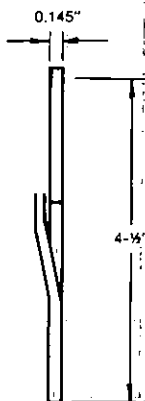
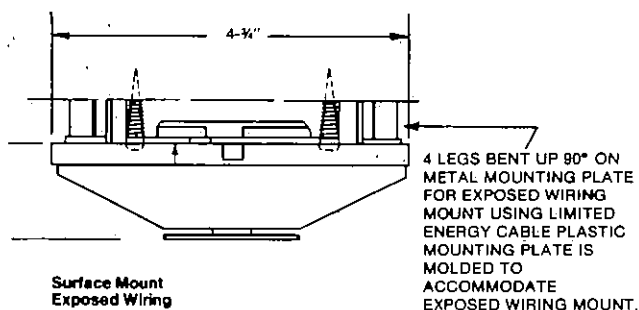
1. Add suffix "R" to Cat. No. 281A and 282A for unit to be supplied with Integral 10,00 ohm resistor i.e. 281AR, 282AR.
2. Add suffix "L" to Cat. No. 281A, 282A, 283A and 284A for unit to be supplied with integral 560 ohm resistor i.e. 281AL.
3. For white plastic reversible mounting plate in place of standard metal plate add suffix "PL" to Cat. No. i.e. 281A-PL.
4. Maximum detector coverage has been determined by U.L. to provide detection time equal to sprinkler devices spaced at 10 ft. intervals (100 square ft. area) on a smooth ceiling 15 ft. 9 inches high. Higher ceilings can adversely affect detection time. In some instances earlier detection may be obtained by reducing the spacing between detectors. (See appendix C, Guide for Automatic Detector Spacing, NFPA 72E-1987, Automatic Fire Detector).
5. Maximum distance shown is from any wall partition or ceiling projection extending down more than 12 inches.
6. Rate-of-Rise rating is 15°F/Min.-Self Restoring.

Mounting  
Using Metal  
Mounting Plate

FOR MOUNTING  
INFORMATION SEE  
INSTRUCTION SHEET  
P-847550-0706 ISSUE B

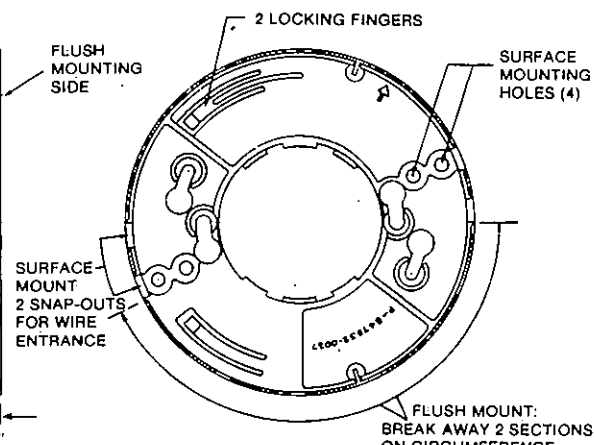
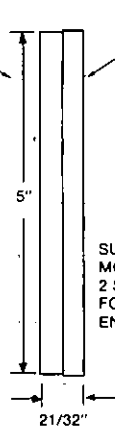


Flush Mount  
Conduit Wiring



FRONT VIEW

Metal Mounting Plate P-803020



FRONT VIEW

Plastic Reversible Mounting Plate P-847532-0037