

BLOCK

670

LOT

9, 20, 22

ADDRESS (SITE)

Towne Hall Shoppers

PERMIT NO.

RD (40) 841 9880
20-94

RECEIVED

JAN 12 1994

Applicant Completes Sections I, II, III (optional), IV, VI and VII

DIV. OF

I. IDENTIFICATION

1. Proposed Work-site at: 990 CEDAR BRIDGE ROAD, BRICK TOWNSHIP
2. Name of Owner in Fee: P.N.C. REALTY HOLDING Co. of Pa. Tel. ()
Address 1 P.N.C. PLAZA FIFTH AVE. & WOOD ST. PITTSBURGH, PA 15285
street municipality zip code
3. Ownership in Fee: Public _____ Private ☒
4. Principal Contractor: HEPNER CONSTRUCTION CO., INC. Tel. (703) 747-4601
Address 2425 S.W. 58 AVENUE HOLLYWOOD FL 33023
- License No. OR, if new home, Builder Reg. No. _____ Exp. Date _____
Federal Emp. No. _____ Social Sec. _____
5. Architect or Engineer DONALD J. PASSMAN, A.I.A. Tel. (908) 531-8701
Address 251 MONMOUTH ROAD OAKHURST NJ 07755
6. Responsible Person in Charge of Work J. FRANK HEPNER Tel. (703) 747-4601

II. PROPOSED WORK

1. ☐ Minor work (single trade)
2. ☐ Small Job (\$5,000 and no prior approvals)
3. ☐ New Building
4. ☐ Addition
5. ☒ Alteration
6. ☒ Fire Protection
7. ☐ Plumbing
8. ☐ Electrical
9. ☐ Elevator Devices
10. ☐ Asbestos Abatement
11. ☐ Demolition

Est. Cost

5000 Eng

III. DO YOU WANT: (optional)

1 ☐ Partial Releases 2 ☐ Prototype Processing

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

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

V. FEE SUMMARY (for office use only)

		Update	Update
1. Building	\$ 375		
2. Electrical	80.00		
3. Plumbing	85	46	85
4. Fire Protection			
5. Elevator Devices			
6. Subtotal	\$ 540		
Less 20% for State Plan Review	5		
8. Subtotal	\$		
9. DCA Training Fee	40		
10. Subtotal	\$		
11. Cert. of Occupancy	20		
12. Other			
13. TOTAL	\$ 605		

VI. BUILDING/SITE CHARACTERISTICS

(office use only)

1. Number of Stories 1
2. Height of Structure EXIST 15 ft.
3. Area—Largest Floor RESTAL SPED 9080 sq. ft.
4. New Building Area _____ sq. ft.
5. Volume of New Structure 90,800 cu. ft.
6. Construction Classification EXIST. STRUCT. 3B
7. Total Land Area Disturbed 0 sq. ft.
8. Flood Hazard Zone _____
9. Base Flood Elevation _____ ft.
10. Wetlands yes _____ sq. ft.
no _____
11. Max. Live Load 50 psf on GARAGE 100 psf.
12. Max. Occupancy Load 93 people

VII. DESCRIPTION OF BUILDING USE

A. RESIDENTIAL

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:

LDS BR 10404834

20K

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 _____

II. AGENT SECTION

(to be completed if the applicant is not the owner in fee)

I hereby certify the following as required by the New Jersey 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 Shall J. Passan

Address _____

Telephone (____) _____

Signature _____ Date _____

OFFICE DATE RECEIVED: _____

VIII. PRIOR APPROVALS CHECKLIST (office use only)	LOCAL APPROVAL		COUNTY APPROVAL		REGIONAL APPROVAL		STATE APPROVAL		COMMENTS
	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	Prelimin. Initial	Final Date	
☒ Zoning Officer <i>SK</i>	<i>TFU</i>	<i>11/14/94</i>							 IMPORTANT A.H.B.T. - EXEMPT
☐ Planning Board									
☐ Zoning Board									
☐ Sewer Authority									
☐ Water Authority									
☐ Fire Department									
☐ Police Department									
☐ Health Department									
☐ Soil Conservation									
☐ N.J. Dept. of Community Affairs									
☐ N.J. Department of Transportation									
☐ N.J. Dept. of Environmental Protection									
☐ Utility Dig No.									
☐									
☐									

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

Name of Code & Edition	Name of Code & Edition	Other
Building _____	Energy _____	
Electrical _____	Barrier Free _____	
Plumbing _____	Flood Hazard _____	
Fire Protection _____	As Built Elevation Cert. _____	
Mechanical _____	Other _____	

X. CERTIFICATES ISSUED (office use only)

	DATE ISSUED	DATE EXPIRED	DATE REISSUED	DATE EXPIRED
☐ Temporary Certificate of Occupancy	No. _____	_____	_____	_____
☐ Temporary Certificate of Compliance	No. _____	_____	_____	_____
☐ Continued Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Compliance	No. _____	_____	_____	_____
☐ Certificate of Occupancy	No. _____	_____	_____	_____
☐ Certificate of Approval	No. _____	_____	_____	_____

West Marine Supply



CERTIFICATE

Date Issued 3/17/94
Control #
Permit # 120-94

IDENTIFICATION

Block 670 Lot 9,20,22
Work Site Location 990 Cedar Bridge Ave Unit A6-A10
Brick, N.J.
Owner in Fee P.N.C. Realty Holding Co.
Address _____
Tele. (____) _____
Contractor Hepler Construction Co.
Address 2425 S.W. 58 Ave.
Hollymod FL 33023
Tele. (____) _____
Lic. No. or Bldg. Reg. No. _____
Federal Emp. No. _____
or Social Security No. _____

Home Warranty No. N/A
Use Group M
Maximum Live Load _____
Description of Work/Use: _____

Marine Supply/Tenant Fitup

Type of Warranty Plan: [] State [] Private
Construction Classification _____
Maximum Occupancy Load _____

CERTIFICATE OF OCCUPANCY/APPROVAL

☐ CERTIFICATE OF OCCUPANCY

This serves notice that said building, structure, or equipment has been constructed or installed in accordance with the New Jersey Uniform Construction Code, and is approved for use and/or occupancy.

☐ CERTIFICATE OF CONTINUED OCCUPANCY

This serves notice that based on a general inspection of the visible parts of the building there are no imminent hazards and the building is approved for continued occupancy.

☐ TEMPORARY CERTIFICATE OF OCCUPANCY

If this is a Temporary Certificate of Occupancy the following conditions must be met no later than _____, 19____ or the owner will be subject to a fine or order to vacate:

Fee \$ _____
Paid [] Check No. _____
Collected by: _____

CONSTRUCTION OFFICIAL

Arthur J. Celis



CONSTRUCTION PERMIT

Date Issued

1/24/94

Control #

Permit #

120-94

IDENTIFICATION Block

610

Lot

9.20.22

Work Site Location

910 6th Avenue

Contractor

H. J. S. Construction Co.

Address

Owner in Fee

P. J. C. Realty, Inc.

Address

1 P.N.C. Plaza

Tele. ()

Tele. ()

120#

Lic. No. or Bldrs. Reg. No.

Exp. Date

0.00

Federal Emp. No.

670 #

or Social Security No.

LOT

0.00

Is hereby granted permission to perform the following work:

☒ BUILDING☒ PLUMBING☐ OTHER☐ ELECTRICAL☒ FIRE PROTECTION

DESCRIPTION OF WORK:

Remodel kitchen

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 \$

5,100.00

CONSTRUCTION OFFICIAL

U.C.C. Form F-170A

1 WHITE - OFFICE

2 CANARY - TAX ASSESSOR

3 PINK - JACKET

4 GOLD - APPLICANT

PAYMENTS (Office Use Only)

Building	3.15	PLUMBING	3.15
Plumbing	80	PLUMBING	80.00
Electrical		PLUMBING	5.00
Fire Protection	1.05	PLUMBING	5.00
Other		PLUMBING	10.00
Other	PIKE	PLUMBING	10.00
DCA Training Fee	1.00	PLUMBING	5.00
Cert. of Occ.	1.00	PLUMBING	5.00
Other		PLUMBING	0.00
Total	60.05	PLUMBING	0.12
Check No.	7, 19, 2	PLUMBING	0.12
Cash		PLUMBING	
Collected By:		PLUMBING	



Date Received
Date Issued
Control #
Permit #

1/24/94
120-94

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

Block 670 Lot 9, 20, 22
Work Site Location 990 CROWN BELLEVES RD
Owner in Fee PNC ROBERTY HOLDING CO. OF HAZELHURST
Address PITTSBURGH PA 15285
Contractor HEPSON CONSTRUCTION CO. INC.
Address 2425 S.W. 58 AVE.
Telephone 305 981-5550
Federal Emp. No. [REDACTED] Social Security No. [REDACTED]

JOB SUMMARY (Office Use Only)

PLAN REVIEW	Date	Initial	INSPECTIONS	Dates (Month/Day)	Failure	Failure	Approval	Initial
☒ No Plans Req.								
☒ All	1-24-94	[Signature]	Feetings					
☐ Footing			Foundation					
☐ Foundation			Slab					
☐ Frame			Frame					
☐ Other			Insulation					
Joint Plan Review Required:			Finishes:	3/4/94				
☐ Elec. ☐ Plumb. ☐ Fire			Energy					
SUBCODE APPROVAL			Mechanical					
☐ CO ☐ CCO ☒ QA			TCO					
Date: 3/4/94			Other					
Approved By: [Signature]			Final					

B. BUILDING CHARACTERISTICS

Use Group Present M Proposed M
Constr. Class Present 3B Proposed 3B
No. of Stories 1
Height of Structure EXIST. ~ 15 Ft.
Area--Largest Floor 1080 Sq. Ft.
Total Bldg. Area/All Floors ESTIMATE TOTAL Sq. Ft.
Volume of Structure 5 Cu. Ft.
Total Land Area Disturbed 5 Sq. Ft.

Est. Cost of Bldg. Work:
1. New Bldg. \$ 50,000
2. Alteration \$ 50,000
3. Total (1+2) \$ 100,000

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.
Signature [Signature]

D. TECHNICAL SITE DATA

DESCRIPTION OF WORK
REMOVE EXIST DROPPED CLS.
CONSTRUCT NEW RETAIL SPACE -
ALTERATION OF INTERIOR.
NEW STAIRWELL TO REPLACE PENNY.

RELOCATE 4
HVAC UNITS &
REMOVE DUCTWORK

TYPE OF WORK:

☐ New Building
☒ Addition
☒ Alteration

☐ Roofing
☐ Siding
☒ Other INTERIOR

☐ Demolition
☐ Miscellaneous

☐ Fence
☐ Sign
☐ Pool
☐ Elevator
☐ Asbestos Abatement
☐ Other

with sprinklers.

Administrative Surcharge

Paid ☐ Check # Minimum Fee \$

Collected by: TOTAL FEE \$



FIRE PROTECTION SUBCODE TECHNICAL SECTION



Date Received 2/8/94
Date Issued 1/24/94
Control # 120-94
Permit # 120-94

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

Block 678 Lot 9-28-22
Work Site Location 990 CEDAR BRIDGE ROAD
Owner in Fee BRICK TOWN REALTY HOLDING CO.
Address 1 P.N.C. PLAZA
5TH AVE + WOOD ST. PITTSBURGH, PA. 15285
Tele. ()
Contractor TRIANGLE FIRE SPRINKLER
Address 317 LINCOLN AVE.
SEASIDE HTS. N.J. 08751
Tele. () 830-9366
Lic. No. 810-9210 or Social Security No. [REDACTED]
Federal Emp. No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group Present M Proposed M
Const. Class. Present 3B Proposed 3B
Heating Systems [] New [X] Existing
Type: [X] Gas [] Oil [] Electrical [] Solar
[] Other _____
Location: _____
Total Est. Cost of Fire Prot. Work \$ 4000.00 [] Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW:
[] No Plans Required
Joint Plan Review Required:
[] Bldg. [] Plumb.
[] Elec. [] Elevator
[X] Fire Plans Approved
Date: 2-8-94
Approved by: [Signature]
SUBCODE APPROVAL:
[] CO [] CCO [X] CA
Date: 2-10-94
Approved by: [Signature]
INSPECTIONS:
Type: _____
Suppression Test _____
Fire Alarm Test _____
Smoke Test _____
Mechanical _____
TCO _____
Other _____
Other _____
Other _____
Initial _____
Date (Month/Day) _____
Approval _____
Approval _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application

[Signature]
SIGNATURE

D. TECHNICAL SITE DATA

Description of Work RAISE BRANCH LINES ABOVE BAR JOISTS + CHANGE HEAD TYPE
Water Supply Source _____
Method of Valve Supervision _____
Local Alarm Supervision _____
Central Supervision _____
Proprietary Supervision _____

Flammable Liquid Storage Tanks () Capacity _____ Fuel _____
Combustible Liquid Storage Tanks () Capacity _____ Fuel _____
L.P.G. Storage Tanks () Capacity _____ Fuel _____
L.N.G. Storage Tanks () Capacity _____ Fuel _____

Wet Sprinkler Heads _____
Dry Sprinkler Heads _____
TOTAL 90 85

Smoke Detectors _____
Heat Detectors _____
TOTAL _____

Stand Pipes _____
Kitchen Hood Exhaust Systems _____

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

Gas or Oil Fired Appliance _____
OTHER _____

Paid [] Check # _____
Collected by: _____
Administrative Surcharge \$ _____
Minimum Fee \$ _____
DCA Training Fee \$ _____
TOTAL FEE \$ 85

FEE (Office Use Only)



FIRE PROTECTION SUBCODE TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

1/24/94
120-94

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

Block 673 Lot 92922

Work Site Location 930 COCAIN BLVD NE

Owner in Fee PNC RENTY HOLDING CO. of FLORIDA

Address PNC PLAZA, 15TH AVE & W 400 ST.

Tele. () PITTSBURGH PA 15285

Contractor HOOPER CONSTRUCTION CO., INC.

Address 2425 S.W. 58 AVE.

Tele. () 305 981-2222

Lic. No. [REDACTED]

Federal Emp. No. [REDACTED] or Social Security No. [REDACTED]

B. FIRE PROTECTION CHARACTERISTICS

Use Group M Present 3B Proposed 3B

Const. Class. 3B Present 3B Proposed 3B

Heating Systems [] New [X] Existing []

Type: [X] Gas [] Oil [] Electrical [] Solar [] Other []

Location: [] Other []

Total Est. Cost of Fire Prot. Work \$ 5,000

JOB SUMMARY (Office Use Only)

PLAN REVIEW: [] No Plans Required [] Plans Required

Joint Plan Review Required: [] Bldg. [] Plumb. [] Elec. [] Elevator

[X] Fire Plans Approved Date: 1-24-94

Approved by: [Signature]

SUBCODE APPROVAL: [Signature]

Date: 3/10/94

Approved by: [Signature]

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

D. TECHNICAL SITE DATA

Description of Work

Water Supply Source

Method of Valve Supervision

Local Alarm Supervision

Central Supervision

Proprietary Supervision

Flammable Liquid Storage Tanks

Combustible Liquid Storage Tanks

L.P.G. Storage Tanks

L.N.G. Storage Tanks

Wet Sprinkler Heads

Dry Sprinkler Heads

Smoke Detectors

Heat Detectors

TOTAL

Hand Pipes

Kitchen Hood Exhaust Systems

Pre-Engineered Systems

CO₂ Suppression

Halon Suppression

Foam Suppression

Dry Chemical

Wet Chemical

Gas or Oil Fired Appliance

OTHER

FEE (Office Use Only)

Number

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Fuel

Administrative Surcharge

Minimum Fee

DCA Training Fee

TOTAL FEE

U.C.C. Form F-140B

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy



FIRE PROTECTION SUBCODE TECHNICAL SECTION



Date Received
Date Issued
Control #
Permit #

2/14/94
120-94
up date

A. IDENTIFICATION--APPLICANT: COMPLETE ALL APPLICABLE INFORMATION. WHEN CHANGING

CONTRACTORS, NOTIFY THIS OFFICE. CALL UTILITY DIG NO: 1-800-272-1000.

Block 670 Lot 9, 20132

Work Site Location Towne Hall Shoppers

Owner in Fee P. D. C. Realty Holdings Co

Address 541 Wood St. Pittsburgh PA 15285

Tele. () 654-3506

Contractor Honeywell

Address 574 Springfield Ave

Tele. () 654-3506

Lic. No. _____ or Social Security No. _____

Federal Emp. No. _____

B. FIRE PROTECTION CHARACTERISTICS

Use Group _____ Present _____ Proposed _____

Constr. Class. _____ Present _____ Proposed _____

Heating Systems () New () Existing

Type: () Gas () Oil () Electrical () Solar

() Other _____

Location: _____

Total Est. Cost of Fire Prot. Work \$ _____ () Other _____

JOB SUMMARY (Office Use Only)

PLAN REVIEW:

() No Plans Required

Joint Plan Review Required:

() Bldg. () Plumb.

() Elec. () Elevator

() Fire Plans Approved

Date: 2-4-94

Approved by: _____

SUBCODE APPROVAL

() CO () LCCO () CA

Date: 3/10/94

Approved by: _____

INSPECTIONS: _____

Dates (Month/Day) _____

Type: _____

Suppression Test _____

Fire Alarm Test _____

Smoke Test _____

Mechanical _____

TCO _____

Other _____

Other _____

Other _____

Other _____

C. CERTIFICATION IN LIEU OF OATH

I hereby certify that I am the (agent of) owner of record and am authorized to make this application.

SIGNATURE _____

D. TECHNICAL SITE DATA

Description of Work _____

Water Supply Source _____

Method of Valve Supervision _____

Local Alarm Supervision _____

Central Supervision _____

Proprietary Supervision _____

Flammable Liquid Storage Tanks _____

Combustible Liquid Storage Tanks _____

L.P.G. Storage Tanks _____

3. Storage Tanks _____

Sprinkler Heads _____

Dry Sprinkler Heads _____

TOTAL _____

Heat Detectors _____

Smoke Detectors _____

Heat Detectors _____

TOTAL _____

Stand Pipes _____

Kitchen Hood Exhaust Systems _____

Pre-Engineered Systems _____

CO₂ Suppression _____

Halon Suppression _____

Foam Suppression _____

Dry Chemical _____

Wet Chemical _____

Gas or Oil Fired Appliance _____

OTHER _____

Number _____

FEE (Office Use Only)

() Capacity _____ Fuel _____

() Capacity _____ Fuel _____

() Capacity _____ Fuel _____

() Capacity _____ Fuel _____

Administrative Surcharge \$ _____

Minimum Fee \$ _____

DCA Training Fee \$ _____

TOTAL FEE \$ _____

Collected by: _____

Paid () Check # _____

U.C.C. Form F-1408

1 White = Inspector Copy
3 Pink = Office Copy

2 Canary = Office Copy
4 Gold = Applicant Copy



**PLUMBING
SUBCODE
TECHNICAL SECTION**



Date Received
Date Issued
Control #
Permit #

1/24/94
120-94

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

Block 670 Lot 9, 20, 22
Work Site Location TONA HILL SHOPPING PLAZA (Wash. Mall)
DEBE ACROSS 4 ACRES (BUILT 7-6 thru 10)
Owner in Fee ONE COMPANY
Address _____

Tele. () _____
Contractor BOBART E. SUEBORG, INC.
Address 3442 E. THISTLE AVE
70415 ELIZABETH, TN
Tele. () 370 3777
Lic. No. AL3595
Federal Emp. No. 221847507 or Social Security No. _____

B. PLUMBING CHARACTERISTICS

Use Group _____ Present _____ Proposed _____
Building Sewer Size 4"
Water Service Size 1"
Estimated Cost of Plumbing Work \$ 8000.00

JOB SUMMARY (Office Use Only)

PLAN REVIEW:		INSPECTIONS:		Dates (Month/Day)	
		Type:	Failure	Approval	Initial
☐ No Plans Required		Slab			
☐ Joint Plan Review Required:		Rough			
☐ Bldg. ☐ Elec. ☐ Fire		Water			
☐ Plumb. Plans Approved		Sewer			
Date: <u>1-24-94</u>		Fixtures			
Approved by: <u>[Signature]</u>		Gas Equipment			
		Gas Final			
		Solar			
		TCO			

SUBCODE APPROVAL:
☒ CO ☐ CCO ☐ CA
Approved by: [Signature]
Date: 3-1-94

C. CERTIFICATION IN LIEU OF OATH

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

☒ Licensed Plumbing Contractor ☐ Exempt Applicant

Signature-Contractor Seal

D. TECHNICAL SITE DATA (List all fixtures.)

NO.	FIXTURE/EQUIPMENT	FEE (Office Use Only)
3	Water Closet	15
3	Urinal/Bidet	15
3	Bath Tub	15
3	Lavatory	15
3	Shower	15
2	Floor Drain	15
1	Sink	5
1	Dishwasher	5
1	Drinking Fountain	5
1	Washing Machine	5
1	Hose Bibb	5
1	Gas Piping	15
1	Fuel Oil Piping	5
1	Water Heater	5
1	Steam Boiler	5
1	Hot Water Boiler	5
1	Sewer Pump	5
1	Interceptor/separator	5
1	Backflow Preventer	5
1	Greasetrap	5
1	Water Cooled A/C	5
1	or Refrigeration Unit	5
1	Sewer Connection	5
1	Water Service Connection	5
1	Gas Service Connection	5
1	Active Solar System	5
1	Other	5

Administrative Surcharge \$ 10
Paid ☐ Check # _____ Minimum Fee \$ 80
Collected by: _____ TOTAL \$ 10

U.C.C. Form F-130A

1 White-Inspector Copy
2 Canary-Office Copy
3 Pink-Office Copy
4 Gold-Applicant Copy

Notarizing gas pipes from meters + running on roof

TOWNSHIP OF BRICK

OCEAN COUNTY, NEW JERSEY
401 CHAMBERS BRIDGE ROAD, BRICK, N.J. 08723

Carolyn L. Patetta, Mayor

Township Council:

Warren H. Wolf, President
Albert Chrobocinski
Victor Cantillo
Helen Fayad
Lee Hartman
Thomas G. Maiorino
Mary Lou Powner



Office of Affordable Housing
Carol A. Wolfe
Affordable Housing Administrator
(908) 262-1048

TO: Frederick Millman, CTA
Tax Assessor

FROM: Carol A. Wolfe
Affordable Housing Administrator

RE: Block 670, Lot 9, 20, 22
990 Cedar Bridge Road
1/14/94 Marine Supply Store



Please review the attached application for a Preliminary construction permit.

The estimated equalized added assessment for the construction at the above site is \$

NO AA ANTICIPATED Preliminary

Frederick R. Millman
Frederick R. Millman, CTA

Date



Please review the attached application for a Final Certificate of Occupancy / Approval.

The final equalized added assessment for construction at the above site is \$

Final

Frederick R. Millman
Frederick R. Millman, CTA

Date

SIZING FOR WATER AND SEWER SERVICES

Property Owner P.N.C

Date 1-24/94

Property Address 990 CEDAR BR.

Block 670 Lot 920, 22

Zoning _____ Use Group _____

Contractor _____ License No. Registration _____

Water Main Size _____ Water Pressure _____ Sewer Main Size _____

Plumbing Fixtures	Number	(sfu) Water Units	(dfu) Drainage Units
1. Water Closet	<u>3</u>	<u>(3)</u> <u>15</u>	<u>()</u>
2. Lavatory	<u>4</u>	<u>(1)</u> <u>4</u>	<u>()</u>
3. Bath Tub	_____	<u>()</u>	<u>()</u>
4. Shower Stall	_____	<u>()</u>	<u>()</u>
5. Kitchen Sink	_____	<u>()</u>	<u>()</u>
6. Service Sink	<u>1</u>	<u>(3)</u> <u>3</u>	<u>()</u>
7. Laundry Tray	_____	<u>()</u>	<u>()</u>
8. Dishwasher	_____	<u>()</u>	<u>()</u>
9. Washing Machine	_____	<u>()</u>	<u>()</u>
10. Urinal	_____	<u>()</u>	<u>()</u>
11. Floor Drain	_____	<u>()</u>	<u>()</u>
12. Drinking Fountain	<u>1</u>	<u>(1/2)</u> <u>1/2</u>	<u>()</u>
13. Air Conditioner (water cooled)	_____	<u>()</u>	<u>()</u>
14. Dental Unit	_____	<u>()</u>	<u>()</u>
15. Lawn Sprinkler No. of Heads	_____	<u>()</u>	<u>()</u>
16. Fire Sprinkler No. of Heads	_____	<u>()</u>	<u>()</u>
17. _____	_____	<u>()</u>	<u>()</u>
18. _____	_____	<u>()</u>	<u>()</u>

Total 22 1/2

Gallons per minute 16.3

Size of Service 1"

Date: _____

Approved: Cueyo
Brick Township Plumbing Inspector

Wheelock's most popular fire signals and speakers are now available with low current draw 117 Candela Strobes for Americans With Disabilities Act (ADA) applications. This is the same product line that has earned the industry's highest overall ratings for quality and value in a survey of Fire Alarm ESDs and OEMs*.

Description

Wheelock's line of 117 Candela Strobe Products features one of industry's lowest cost ADA strobe solutions with state-of-the-art audible/visible combination signals such as high output electronic horns and mini horns; uniquely versatile electronic multitone signals and chimes; high performance voice evacuation speakers.

These products are described in this data sheet. For full specifications on these life safety signals, call us for the individual product spec sheets referenced in the table on the next page.

Features

Wheelock's alarm signals are the industry's preferred line of signaling products because they have a consistent record of field proven reliability, because they comply fully with the latest codes and standards, and because they provide big savings on every job with features like:

- Lower current draw to minimize power supply and wiring costs.
- Higher dBA output to enhance audibility—up to 106 peak dBA at 10 feet.
- Convenient mounting to standard low cost electrical boxes.
- Fully assembled products to eliminate costly field assembly.
- Fast in-out wiring terminals to save on installation time.
- UL Listed for Fire Protective Service.

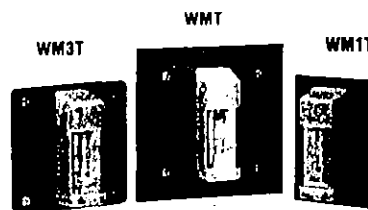
* The U.S. Fire Alarm Market: Characteristics and Trends, STAT Resources, Inc., 1991.

117 CANDELA STROBE PRODUCTS

STROBES

Series WM Strobes

- 117 candela flashing strobes for ADA applications
- Low current draw—just 0.088 amps



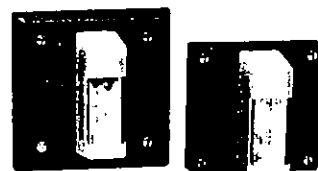
ELECTRONIC SIGNALS

Series EH Electronic Strobe Horns

- State-of-the-art performance at lower installed cost
- 103 peak dBA with 117 candela strobes

Series AES Multi-Tone Signals

- A choice of penetrating alarm tones
- Multiple alarms with one device
- 106 peak dBA with 117 candela strobes



EH-D
AES-D

EH-E
AES-E



MIZ

MINI-HORNS

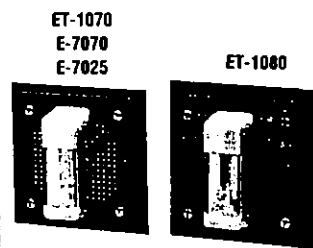
Series MIZ Mini-Horns

- Designed and priced specifically for in-the-room applications
- 90 peak dBA with 117 candela strobes

CHIMES

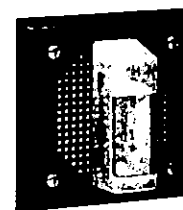
Series CH Electronic Strobe Chimes

- Just one-tenth the current draw of conventional chimes
- 83 peak dBA with 117 candela strobes



ET-1070
E-7070
E-7025

ET-1080



CH-D

SPEAKERS

Series ET and Series E Strobe Speakers

- For exceptional performance in emergency voice communications systems
- 78 dBA at 1/8 watt to 96 dBA at 8 watts with 117 candela strobes

Ordering Information and Specifications

Signal	Model Number	Order Code	Grille Color	Voltage (VDC)	Current (AMPS)	dBA Rating		Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
						Peak	Typical					
WM Strobes	WMT-24-FR	4909	Red	24	0.088			117	A	1	S0800	UL CFM* NYC BFP* FM*
	WMT-24-FR	4910	Red	24	0.088			117	B			
	WM3T-24-FR	4911	Red	24	0.088			117	C, D			
EH Horns	EH-DL1-WM-24-VF-R	4912	Red	24	0.105	103	96	117	E, G	3, 4	S1400	UL CFM* NYC* BFP* FM*
	EH-EL1-WM-24-VF-R	4913	Red	24	0.105	103	96	117	H, I, J, L			
AES Multitone	AES-DL1-WM-24-VF-R	4914	Red	24	0.138	106	100	117	E, F, G	2, 4	S1300	
	AES-EL1-WM-24-VF-R	4915	Red	24	0.138	106	100	117	H, I, J, K, L			
MIZ Minihorns	MIZ-24-WM-VF-R	4916	Red	24	0.100	90		117	P, Q	2	S1700	
CH Chimes	CH-DF1-WM-24-VF-R	4917	Red	24	0.108	83		117	N, O	3, 4	S0700	UL, CFM* NYC*, BFP*

Speaker	Model Number	Order Code	Grille Color	Voltage (VRMS)	Speaker Watts	dBA Rating	Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
E Speakers	E-7025-WM-24-VF-R	4918	Red	25	1/4 1/2 1 2	81 84 87 90	117	M, N, O	4	S1600	UL CFM* NYC*
	E-7025-WM-24-VF-W	4919	White	25			117				
	E-7070-WM-24-VF-R	4920	Red	70			117				
	E-7070-WM-24-VF-W	4921	White	70			117				
ET Speakers	ET-1070-WM-24-VF-R	4922	Red	25/70	1/8 1/4 1/2 1 2 4 8	78 81 84 87 90 93 96	117	N, O	4	S0300	UL CFM* BFP*
	ET-1070-WM-24-VF-W	4923	White	25/70			117				
	ET-1080-WM-24-VF-R	4924	Red	25/70			117				
	ET-1080-WM-24-VF-W	4925	White	25/70			117				

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

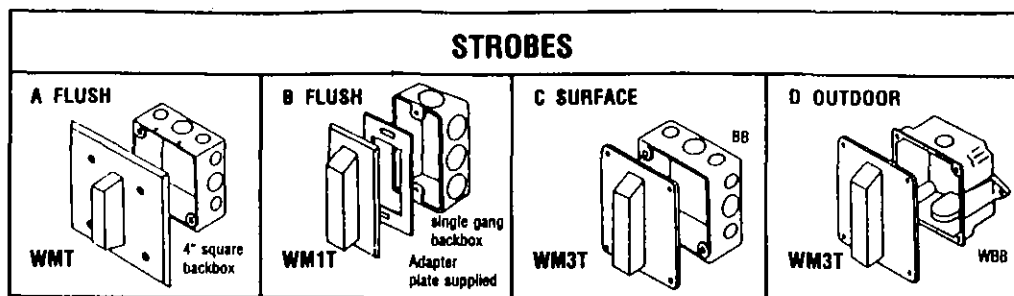
* Pending

WARNING: Any material extrapolated from this document or from Wheelock manuals or other documents describing the product for use in promotional or advertising claims, is used at the sole risk of the user and Wheelock will not have any liability for such use.

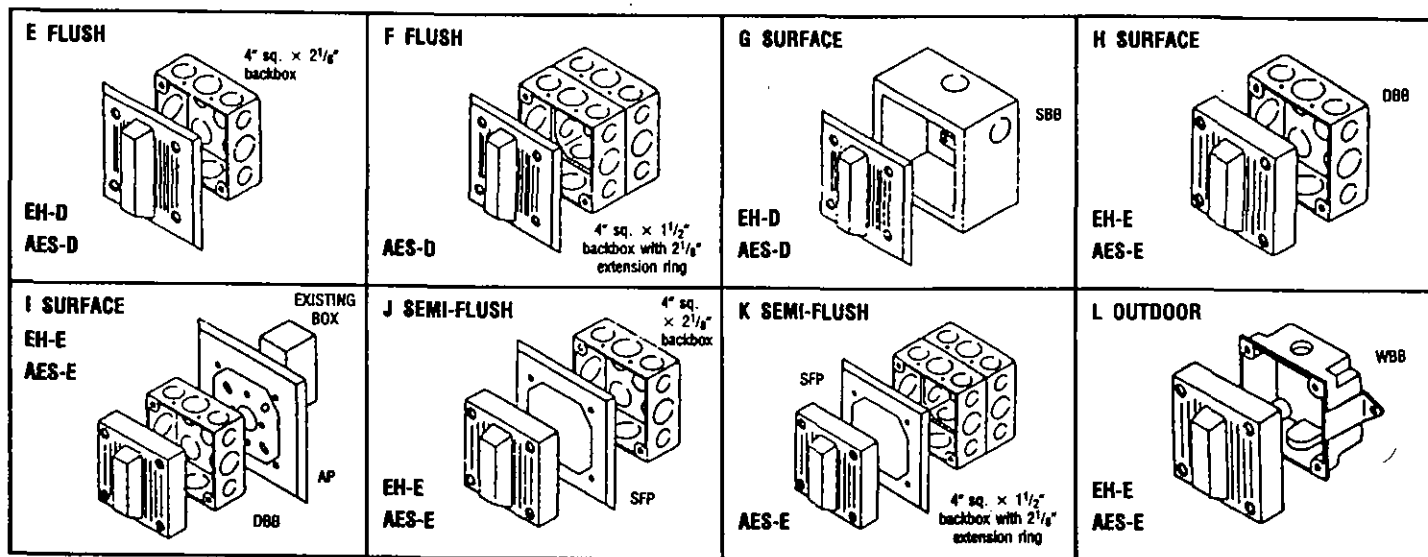
NOTES:

1. Rated current is for strobe and audible combined at 24 VDC. Current for strobe alone is 0.088 AMPS at 24 VDC.
 2. Strobe in-rush current is 3 times rated current for 1 millisecond (2 times rated current for 10 milliseconds). Circuit fuses must be rated to handle this in-rush. In-rush current limitation (by the power supply) does not affect strobe operation. Power supply and wiring can be based on rated (steady state) current.
 3. All strobes are designed to flash as specified with continuous applied nominal voltage. Strobe flash rate is designed for 1 flash per second at 24 VDC. Strobes are not recommended for use on interrupted or pulsing signaling circuits.
 4. Strobe candela rating is per UL Standard 1638 measured on axis. **Warning:** This intensity may not be adequate to alert or awaken occupants in the protected area.
 5. Rated voltage is 18-31 VDC (filtered or unfiltered FWR).
 6. Peak dBA is measured at 10 feet in an anechoic chamber with peak meter response. Typical dBA is average sound level measured with fast meter response.
 7. Speaker models have all wattage taps shown in table (field selectable) except ET models do not provide 4-watt tap with 25 VRMS audio voltage. Speaker dBA ratings are measured at 10 feet per UL standard 1480.
 8. Select largest backbox shown in mounting options where possible to provide additional wiring room for easy installation.
 9. UL = Underwriters Laboratories (Listed under Standards 1638, 464 and 1480), CFM = California Fire Marshal, NYC = New York City, BFP = Chicago, FM — Factory Mutual.

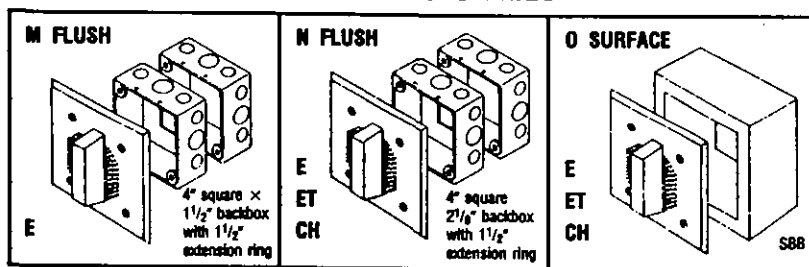
Mounting Options (mounting plates and backboxes ordered separately)



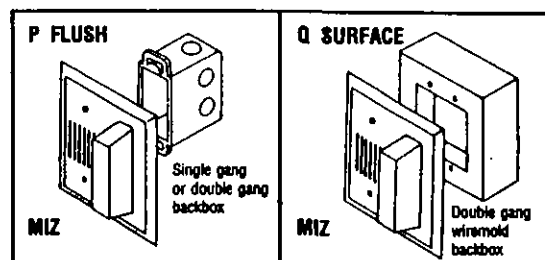
HORNS & MULTITONE



SPEAKERS & CHIMES



MINI-HORNS



Wiring Options

FIG. 1. SINGLE SIGNALING CIRCUIT (Series WM)
(Strobe Signal Only)

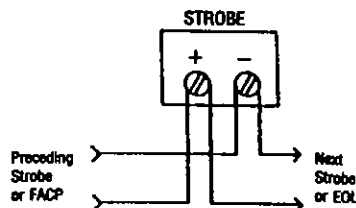


FIG. 3 SINGLE SIGNALING CIRCUIT (Series EH, CH)
(Audible Signal and Strobe Field Wired in Parallel)

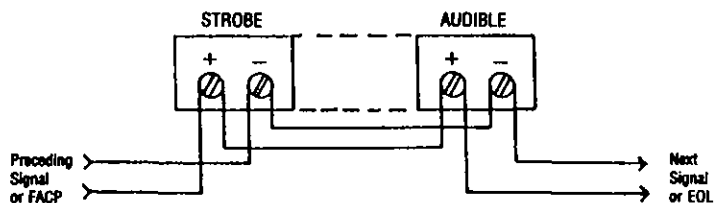


FIG. 2 SINGLE SIGNALING CIRCUIT (Series AES, MIZ)
(Audible Signal and Strobe
Factory Wired in Parallel)

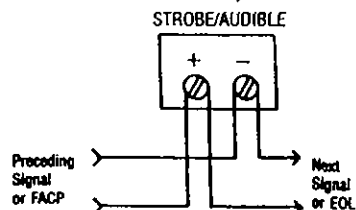
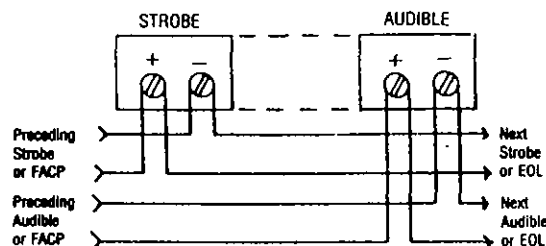


FIG. 4 DUAL SIGNALING CIRCUITS (Series EH, AES, CH, E, ET)
(Audible Signal and Strobe Field Wired Independently)



TC804C Photoelectric and TC805C Ionization Smoke Detectors

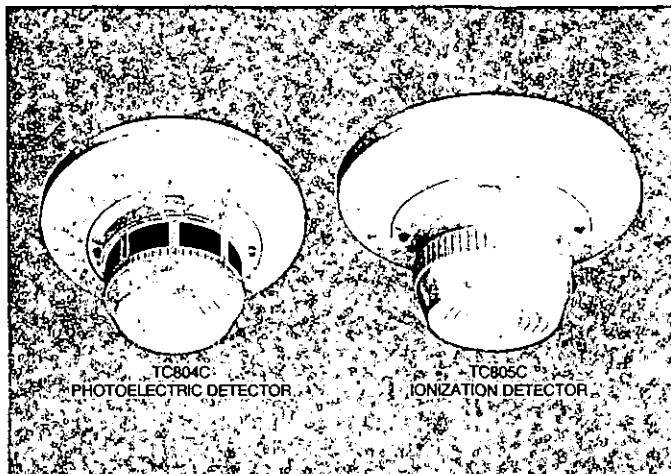
Honeywell's TC804C and TC805C Smoke Detectors are specifically designed to respond to a broad range of fires while offering maximum stability.

The TC804C photoelectric smoke detector contains a unique optical sensing chamber designed to sense the presence of smoke particles produced by a wide range of combustion sources. A custom integrated circuit incorporates signal processing to reduce nuisance alarms.

The TC804C Detector is available with an optional integrated heat detector element. This element activates an alarm signal when the temperature at the detector reaches 135°F (57°C).

The TC805C ionization smoke detector contains a unique dual source, dual unipolar chamber detection design which will sense the presence of smoke particles produced by fast combustion as well as slow smoldering fires. This chamber exhibits increased stability, significantly reduces nuisance alarms and provides better performance at higher air velocities.

Both Detectors are compact and attractive. They are easy to install with convenient terminal strip wiring and a tampered twist-on mounting bracket. The wiring bases are common to both the TC804C and TC805C and can be surface- or electrical box-mounted. The bases include a shorting jumper that provides a convenient method for detection circuit wiring checkout before detectors are installed.



Efficient — Because these detectors use low standby current, power requirements are reduced.

Easy To Install — Convenient terminal strip wiring makes for simplified installation and servicing.

False Alarm Reduction — Engineered for high stability to reduce nuisance alarms.

Attractive — Compact and stylish design.

Optimum LED Visibility — Dual visual alarm LEDs provide 360° viewing angle.

TC804C Photoelectric TC805C Ionization Smoke Detectors

Specifications

Models —

- TC804C-1019 Photoelectric Smoke Detector with 135°F (57°C) heat detector
- TC804C-1001 Photoelectric Smoke Detector without heat detector
- TC805C-1000 Ionization Smoke Detector

Environmental Limits —

Temperatures: 32° to 120°F (0° to 49°C)
Humidity: 10 to 93% rh, noncondensing

TC804C Thermal Detector —

135°F (57°C)

Detector Coverage —

Maximum recommended: 900 ft² (83.6 m²)
Physical characteristics of area covered may reduce effective coverage of detector below 900 ft²

Alarm Indication —

Two red LEDs
LEDs blink in standby, turn on in alarm

Nominal Sensitivity —

TC804C: 3.3 percent/foot obscuration
TC805C: 1.5 percent/foot obscuration

Velocity Rating —

TC804C: 2000 ft/min
TC805C: 1500 ft/min

Insect-Resistant Screen —

0.025 in. (0.635 mm) openings

Testing —

TC804C: Test Card (provided) or Test Magnet
TC805C: Test Magnet

Mountings —

Ceiling or wall
Bases mount on electrical boxes as follows:
14506587-001 or -002 Base:
4 in. (102 mm) square, 1-1/2 in. (38 mm) deep electrical box (adapter bar provided)
3 in. (76 mm) or 4 in. (102 mm) octagonal,
1-1/2 in. (38 mm) deep electrical box

Shipping Weights —

Detector: 0.5 lb (277g)
14506587 Bases:
-001, -002: 0.4 lb (180g)
-004: 0.3 lb (136g)

Construction —

Flame-retardant, off-white Noryl plastic

Accessories —

A77-716-02 End-of-Line Supervisory Relay (used with 14506587-002 Base)
CRT400 Cover Removal Tool
M02-04 Test Magnet
MOD400 Field Sensitivity Test Module (used with test meter for field voltage and sensitivity checkout)
R59-18-00 Test Card
SHPSDG855 Detector Guard
14506510-001 Remote Annunciator

Approvals —

Underwriters Laboratories (UL) listed
Underwriters Laboratories of Canada (ULC) listed
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Bases Description —

✓	Part No.	Description	Application	Alarm Relay
	14506587-001	Two-wire base with current limiting resistor	Detector is powered from initiating circuit of fire alarm control unit.	N/A
	14506587-002	Two-wire base with current limiting resistor or four-wire base	Detector is powered either from the initiating circuit of a fire alarm control unit or from a separate 24VDC source.	Form A and Form C

Electrical Requirements —

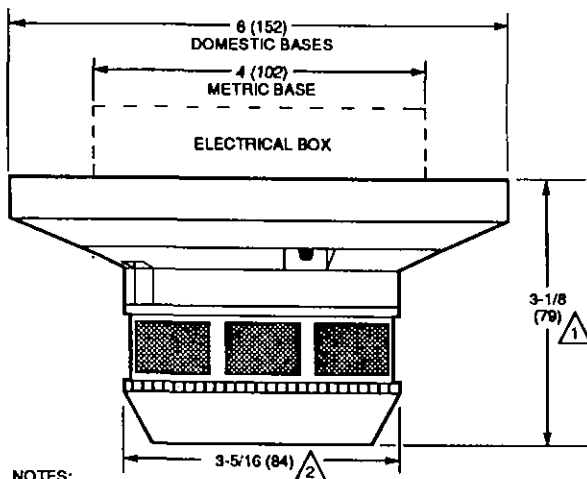
14506587 Base	Current at Nominal Operating Voltage		Nominal Operating Voltage	Voltage Range
	Alarm	Supervisory		
-001	26 mA	120 µA	24VDC	10 to 32VDC
-002	36 mA			19 to 28.5VDC

Relay Contact Ratings —

Relay located in 14506587-002 Base

Contacts	Voltage	Resistive Rating	Inductive Rating
Form A (one set)	30V ac or dc	2A max.	0.6 pF
Form C (one set)	30V ac or dc	2A max.	0.6 pF
	110V dc	0.6A max.	
	120V ac	1A max.	

Dimensions —



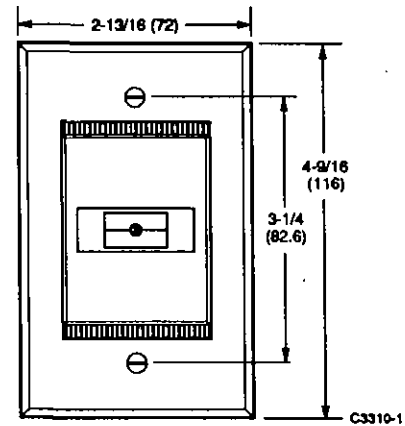
NOTES:

① DEPTH IS 3-11/32 (85) FOR TC804C WITH HEAT DETECTOR.

② DIAMETER IS 3-1/8 (79) FOR TC806C.

C3309

TC804C/TC805C Assembly Dimensions in Inches
(Millimeters)

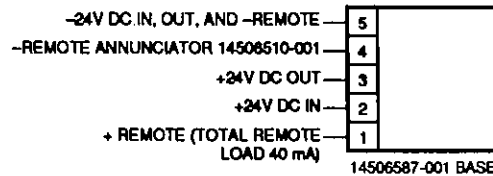


C3310-1

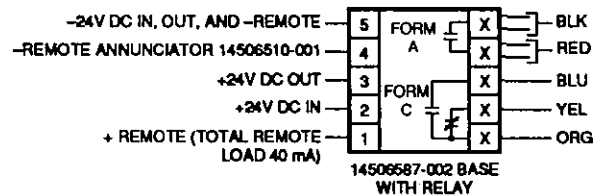
Remote Annunciation Dimensions in Inches
(Millimeters)

Terminal Designations —

FIELD WIRING



FIELD WIRING



X = INTERNAL CONNECTION

C3311

Smoke Detector Base Terminal Designations

TC804B Photoelectric and TC805B Ionization Duct Smoke Detectors

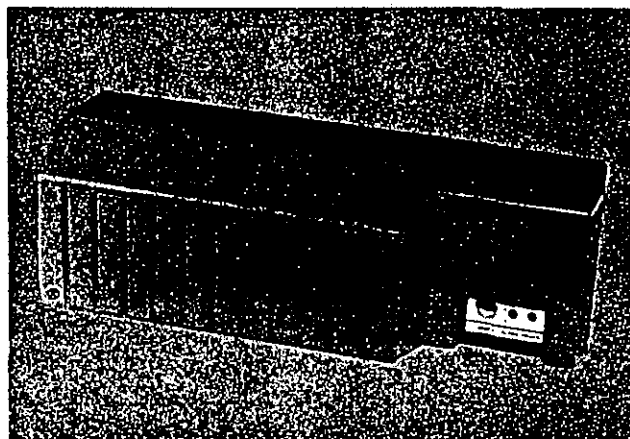
Honeywell's TC804B and TC805B Duct Smoke Detectors are specially designed for operation in areas of high air velocity. Both detectors can handle air velocities from 300 to 3000 (TC805B) or 4000 (TC804B) feet per minute. Additionally, they are easy to install, maintain and service.

The photoelectric- and ionization-type detectors sample the air passing through ducts to provide early detection of developing fire conditions. When smoke is detected in a duct, the fire alarm control panel can initiate events such as damper closing or fan shut-down.

Installation problems are eliminated by the detectors' universal mounting bracket. No additional bracket for either round or rectangular ducts is needed. The accessible detector head mount also facilitates the installation process.

The units' special design simplifies maintenance and service tasks. An integral filter system eliminates tedious piece-by-piece cleaning. When it's time for maintenance, just replace the filter. Easy accessibility to detector heads reduces time spent on servicing the detectors.

NOTE: Duct smoke detectors are not intended as a substitute for open-area protection.



Easy to Install — A universal mounting bracket eliminates the need for additional brackets

Easy to Service — Accessible detector head cuts down on servicing time

Easy to Maintain — Integral filter systems do away with piece-by-piece cleaning. A change of filter is all that's needed.

Remote Indicator Option — A remote test station is available for detectors installed in inaccessible locations

TC804B and TC805B Duct Smoke Detectors

SECURITY

By Honeywell Protection Services

Honeywell

Specifications

Models —

- ☐ TC804B-1003 24VDC Photoelectric
- ☐ TC805B-1002 24VDC Ionization

Operating Voltage —

24VDC models:
20 to 29VDC (24VDC nominal)

Velocity Limits —

TC804B: 300 to 4000 ft./min.
TC805B: 300 to 3000 ft./min.

Environmental Limits —

Temperature: 32 to 120°F (0 to 49°C)
Humidity: 15 to 93% rh, noncondensing

Mounting —

Rectangular or round ducts

Housing —

Molded plastic

Dimensions —

14-1/2 in. (368 mm) wide, 5 in. (127 mm)
high, 7 in. (178 mm) deep

Shipping Weight —

7 lb (3.2 kg)

Power Consumption —

Application		Current Draw at 24VDC (Typical)	
		Alarm	Super- vision
Without AR-10 Auxiliary Relay or RM851DH Remote Test Station		26 mA	100 µA
With AR-10 Auxiliary Relay		145 mA	
With RM851DH Remote Test Station	Remote Switch OFF	27 mA	
	Remote Switch ON	45 mA	
With AR-10 Auxiliary Relay and RM851DH Remote Test Station	Remote Switch OFF	122 mA	
	Remote Switch ON	165 mA	

Additional Equipment Required —

Sampling Tube:

Metal Tube:

- ☐ BRKST851DH-1 (for duct width 1 to 2 ft.
[30 to 61 cm])
- ☐ BRKST851DH-2 (for duct width 2 to 3 ft.
[61 to 91 cm])
- ☐ BRKST851DH-3.5 (for duct width 3 to 5.5 ft.
[91 to 168 cm])
- ☐ BRKST851DH-6.5 (for duct width 5.5 to 8 ft.
[168 to 244 cm])
- ☐ BRKST851DH-10 (for duct width 8 to 10 ft.
[244 to 305 cm])

Accessories —

- ☐ A1358 Replacement Filter
- ☐ A7766900 Remote Alarm Lamp
(approx. 20 mA)
- ☐ A7771602 End-of-Line Supervisory Relay
(24VDC, required for separately-powered
dc system)
- ☐ AR-10 Auxiliary Relay
(one required for each detector used on
separately-powered DC circuit)
- ☐ RM851DH Remote Test Station
- ☐ TM80 Test Meter
(for field voltage and sensitivity checkout)
- ☐ XR-4 Removal Tool
- ☐ XP-4 Extension Pole
(for use with XR-4 Removal Tool)

Approvals —

Underwriters Laboratories (UL) listed
Underwriters Laboratories of Canada (ULC) listed
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Honeywell

Helping you control your world

PROTECTION SERVICES DIVISION

Honeywell Plaza
Minneapolis, Minnesota 55408

In Canada
100 Montcalm Blvd. N.
Candiac, Quebec
J5R 1B7

Providing nationwide U.L. listed central station alarm service

56-2441 4/88 Printed in USA

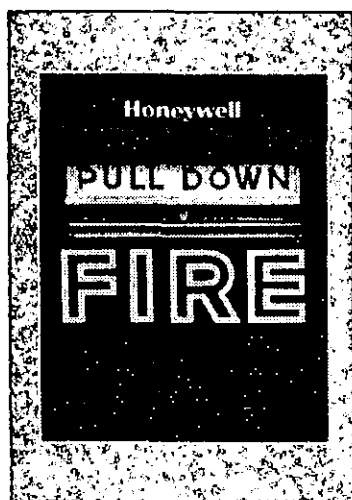
S464A & B, S465A & B Manual Fire Alarm Stations

The Honeywell Manual Fire Alarm Stations feature a wide variety of options designed to provide simple, reliable solutions. Whether it be a pre-signal alarm, key-operated general alarm or a break-glass type alarm, the S464 and S465 family is flexible enough to fit the needs of any fire system application.

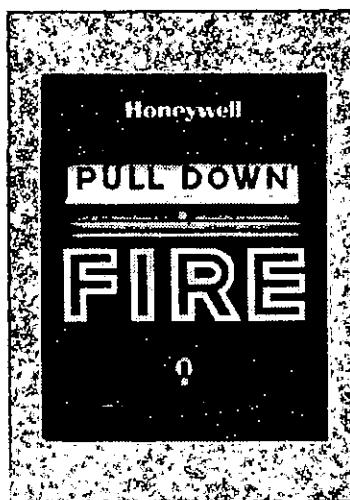
The glass rod option meets all regulations for break-glass type alarms, in addition to providing positive indication of where the alarm was tripped. The original tripping location can also be determined on non-glass rod models, due to their manual reset feature. Some models are equipped with annunciator contacts that identify alarm stations at a remote annunciator panel.

Certain applications require that fire alarms initiate a pre-signal alarm that sounds in selected areas only. Once emergency conditions have been verified, a general alarm can be initiated at a pre-signal station with a key-operated manual switch. This alarm verification option helps to reduce the possibility of nuisance alarms.

Reliability is ensured with corrosion-resistant gold contacts used in initiating circuit operation.



S464



S465

Reliable Operation — Gold contacts ensure smooth, reliable operation of circuit initiation

Easy Detection of Tripping Location — Manual reset and break-glass features make it easy to determine location of the original alarm

Verification Option — A pre-signal alarm allows for verification of emergency conditions before general alarm is initiated

Easy to Install — Mounts on a standard electrical box for semi-flush applications

S464A & B, S465A & B Manual Fire Alarm Stations



Specifications

Models —

- ☐ S464A Manual Fire Alarm Station
- ☐ S464A Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S464B Manual Fire Alarm Station with Annunciator Contacts
- ☐ S465A Presignal Manual Fire Alarm Station
- ☐ S465A Presignal Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S465B Presignal Manual Fire Alarm Station with Annunciator Contacts

Switching Action —

S464A spst, normally open
S464B dpst, normally open
S465A spst (2), normally open
S465B dpst (1) and spst (1), normally open

General Alarm Key —

Two keys supplied

Finish —

Fire-alarm red with white enamel

Mounting —

Surface: Use separately ordered 14503687-001
Surface Mounting Box
Semiflush: Use standard electrical box from
Table 1

Environmental Operating Limits —

Temperature: -30° to 150°F (-34 to 66°C)
Humidity: 0 to 95% rh

Storage Environment —

Temperature: -70° to 150°F (-57° to 66°C)
Humidity: 0 to 95% rh

Wiring —

Field wiring is made to screw-type terminal block or pigtail leads

Approvals —

Underwriters Laboratories (UL) listed
Canadian Standards Association (CSA)
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Approximate Weight —

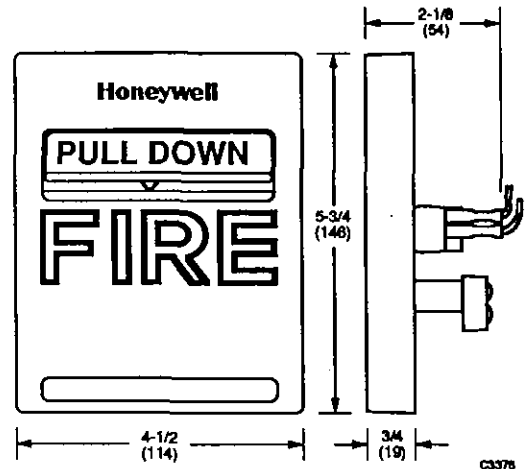
2.5 lb (1 kg)

Accessories —

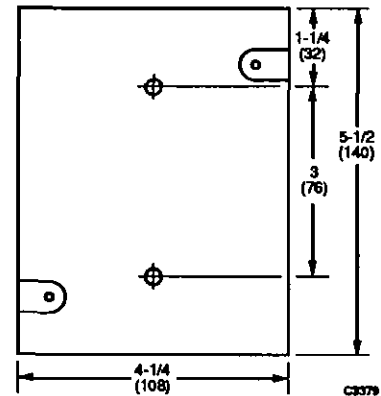
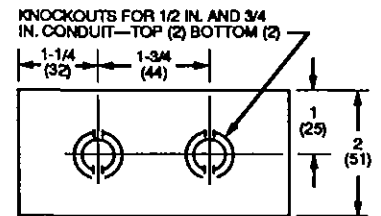
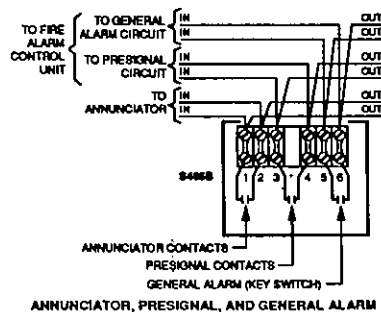
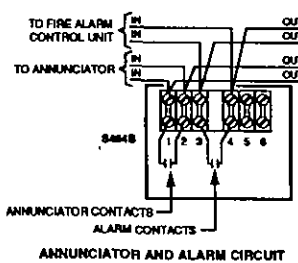
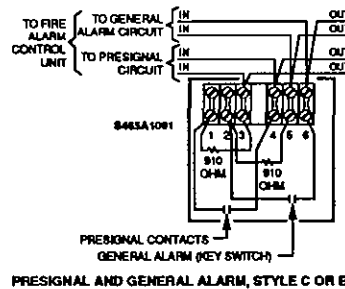
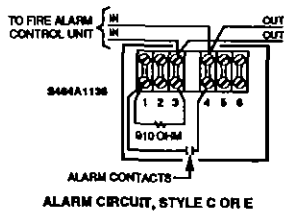
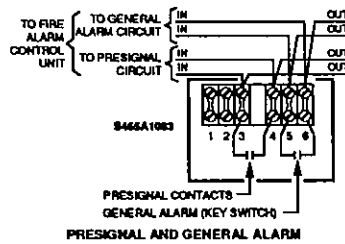
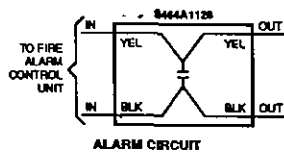
- ☐ 800893 Glass rod (two furnished with device)
- ☐ 316547 Key (two furnished with device)
- ☐ 14504581 Dual Action Accessory, ordered separately

Table 1. Standard Electrical Box Selection

Electrical Box	S464A	S464B	S465A	S465B
Single gang 2-3/4 in. (70 mm) deep	Yes	No	No	No
Double gang 2-3/4 in. (70 mm) deep	Yes	Yes	Yes	No
4 in. (102 mm) sq. or 4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with single or double plaster ring	Yes	Yes	Yes	No
4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with double plaster ring	Yes	Yes	Yes	Yes



S464 and S465
Approximate Dimensions in
Inches (Millimeters).



Surface Box 14503687-001
Approximate Dimensions in Inches
(Millimeters).

S464 and S465 Field Wiring Configurations.

Intelliguard Control Centers

The Honeywell Intelliguard Security System offers four control centers to meet every customer's needs. Control centers display system status, and are used to execute a variety of system commands. Each Intelliguard system employs the appropriate control center to provide security most efficiently and effectively. An Intelliguard system may consist of only one type of control center in all areas, or may include a combination of types according to customer security requirements.

Every control center consists of a display and keypad with which system activities are initiated. The display provides the current status of the system and any feedback from the keypad activities. All control centers have built-in audibles that produce distinct warning tones. The warning tones assist the user in determining the Intelliguard system status.

The 540, 541 and 542 Control Centers feature an English language display with custom programmable text. The alphanumeric display walks the user through each command, and shows the exact location of any alarm or system trouble.

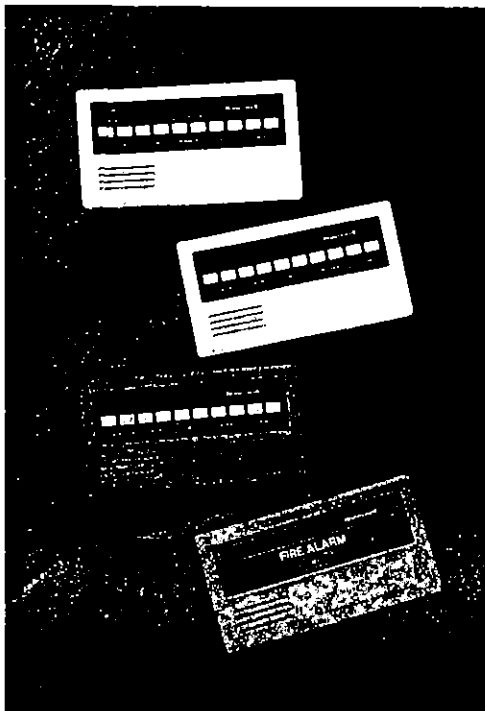
The 540 Control Center provides system annunciation and control over all system operations. It features ten numeric keys (1-0) arranged horizontally with five larger function keys also arranged horizontally below the numeric keys. The function keys are

labeled ALL ON/OFF, ENTER, NEXT, PREVIOUS, and CLEAR. They provide ease-of-use and make day-to-day operation effortless.

The 541 Fire Control Center provides annunciation as well as system control. It works like the 540 Control Center; but has three unique function keys (ACKNOWLEDGE, SILENCE, and RESET) which do not require a passcode to operate. These three fire control function keys let the user control audible alarms and scroll through a list of affected points.

The 542 Fire Annunciator provides system annunciation only. It has no command functions for system operations and requires no operator passcode. The annunciator has one function key (NEXT), which allows the user to scroll through a list of trouble and alarm events.

The 550 LED Control Center provides cost-effective control in areas requiring basic operation. The control center controls only its local area and offers a built-in LED display, a 15 key touchpad, and annunciation for alarm and faulted conditions at each protection point. Perimeter, interior, and AC power are indicated by LED display. The 550 Control Center has five function keys (ALL ON/OFF, ENTER, PERIMETER, WATCH, and RESET).



Intelliguard Control Centers

User Friendly Displays – Custom text provides tailored descriptions.

Ease of Use – Displays and function keys guide system operation.

Simple Arming and Disarming – One step function key (ALL ON/OFF) provides total simplicity.

User Control – Passcode authority levels determine which system operators can perform which system functions.

Efficient & Effective Control – Four different control centers annunciate, control security, and provide fire protection.

Intelliguard Control Centers

Control Centers

540 CONTROL CENTER

The 540 Control Center is a 4-wire keypad/display unit used with the Intelliguard 5700, 5800, 5900, and 5924 security systems. It features a 10 digit keypad, five function keys, a 16-character English language display, and a built-in speaker that emits several distinct warning tones. The 540 function keys include:

ALL ON/OFF key arms and disarms all areas for which a user has authority.

ENTER key brings the user to the first command on the command list.

NEXT key allows the user to view a list of bypassed and faulted points in a disarmed area. This key also provides navigation through the tailored command list.

PREVIOUS key permits the user to see the status of all bypassed and faulted points in an area which is disarmed. When viewing the tailored command list, this key shows the user the previously available command.

CLEAR key silences all trouble and alarm tones for the local control center. This key also allows the user to scroll through a list of trouble and alarms.

541 FIRE CONTROL CENTER

The 541 Fire Control Center provides simple control of fire protection that does not require passcode operation. The 541 function keys include:

ACKNOWLEDGE key silences the control center sounder (not fire audibles) and releases the display to scroll through alarm events.

SILENCE key silences any indicating devices (fire horns, burglary bells, etc.), as well as releases the scrolling alarm display.

RESET key reinitiates all sensors and clears the alarm memory. If this key is pushed before ACKNOWLEDGE or SILENCE, it will act as the SILENCE key.

542 FIRE ANNUNCIATOR

The 542 Fire Annunciator is a remote display for fire alarm events that allows local authorities to easily view fire alarm conditions. The 542 features a display and sounder and is assigned to a specific area. There are no alarm control capabilities with this control center. The words FIRE ALARM are prominently displayed on the keypad. All alarm events from the control center's assigned area are shown.

NEXT key steps through multiple alarm displays.

550 LED CONTROL CENTER

The 550 LED Control Center is an economical control center that provides control over a single area with simple LED annunciation. The 550 is designed for areas with less than nine points of protection and moderate security operations, such as a cash office or stock room. The 550 may be used for a combination of burglary, fire, or other point type monitoring. The display consists of LEDs which indicate armed status, point status, and power. The sounder is a piezo device. The 550 function keys include:

ALL ON/OFF key arms and disarms only the local area.

ENTER key silences alarms other than burglary alarms.

PERIMETER key Perimeter Arms or Disarms the area.

WATCH key turns the watch mode on and off.

RESET key reinitiates all sensors and clears the alarm memory for the area.

Specifications

Dimensions

- Control Centers: 8.5" x 4.5" x 0.9"

Voltage Input

- Nominal 12 VDC supplied by the Intelliguard control/communicator

Current Required

540, 541, and 542 Control Centers

- Idle: 104mA
- Maximum: 206 mA, with annunciation and warning tone on.

550 LED Control Center

- Idle: 20mA
- Maximum: 75mA, with annunciation and warning tone on.

Wiring Primary

- Four-wire cable supplies Data In, Data Out, +12VDC, and Common.
- Maximum data loop resistance: 240Ω.

Colors

- Fire Engine Red
- Soft White

Display

540, 541, and 542 Control Centers

- 16-character vacuum fluorescent display
- 14-segment unit characters
- Soft blue color

550 LED Control Center

- 8 point LED display
- 1 power LED
- 1 command LED
- 3 arm status LEDs

Environmental

- Operating Specifications: 32-122° F (0-50° C)
- Relative Humidity: 5 to 85% @ 86°F (30°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City - MEA

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Helping You Control Your World

Intelliguard 5800/5900 Security System

The Honeywell Intelliguard "area controlled" security system protects against internal and external theft. With the Intelliguard system, up to eight different areas of a facility can be individually armed and disarmed in order to provide security in one area while other areas are occupied.

Intelliguard areas are designed to match specific business needs and routines. A hallway or vestibule shared by several security areas can be automatically turned on or off to assure easy access to other protected areas. The system can also be programmed to require that a certain critical area be turned on before the entire system is armed.

The flexibility of the Intelliguard system allows the monitoring of several types of protection, such as burglary, fire, sprinkler supervision, hold-up and critical equipment, at the same control and at one affordable price.

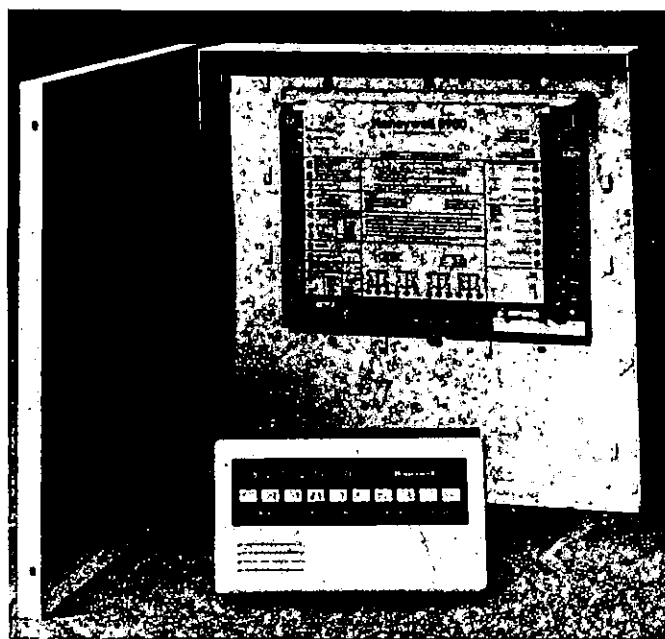
The Intelliguard system can be equipped to pinpoint the exact location of an alarm, ensuring a more accurate response to an emergency. Additionally, repeat false alarms are minimized because the source of the problem is identified and can be fixed the first time.

Honeywell has designed a family of control centers to meet every customer's needs. Control centers are used to display system status, and can perform a variety of system commands, such as arming or disarming all areas at once, arming or disarming one area at a time, and arming or disarming an area's perimeter. The control centers utilize function keys that provide simple, yet flexible, features such as the "ALL ON/OFF" key that makes arming and disarming effortless. The control centers also provide access to a tailored command list, showing users only those commands they might need.

Employees are assigned a user passcode with its own authority level. Passcodes with authority levels provide security against unauthorized use. A passcode must be used to initiate any system command.

An Intelliguard system monitored by Honeywell's Customer Service Center enhances property protection because the fire or police department is quickly dispatched in response to an alarm signal.

Intelliguard has received approvals from various agencies, providing assurance that it meets all industry standards.



5800/5900 Security System

Flexible Security – Area controlled security protects against both external and internal theft by securing some areas while others are occupied.

Adaptability to Building Use – A shared area may be armed or disarmed to allow access to common areas. The system can also require the arming of critical areas before the main system is armed.

Cost Effectiveness – Burglary, fire, hold-up, critical equipment monitoring and other services are monitored from one control at one affordable price.

Ease of Use – Arming and disarming is simple with the "ALL ON/OFF" key.

Employee Control – Passcode authority levels control who operates the system and what they do.

Honeywell Monitoring – The Honeywell Customer Service Center assures reliable and prompt response to alarm conditions.

Approvals – The Intelliguard System is listed by several approval agencies – your assurance that it meets the highest industry standards.

Tailored Security – Tailored areas, control centers, command lists, and displays match your system to your building operation.

Intelliguard 5800/5900 Security System

Features

Multiple Protection Services – Functions such as burglary, fire, sprinkler supervision, hold-up, and critical equipment monitoring can be combined into one cost-effective, centrally monitored system.

Area Controlled Security – A business can protect against external and internal theft because up to eight different areas of a facility can be armed and disarmed independently in order to provide security in one area while others are occupied.

Multiple Control Centers – Several control centers can be connected to one control/communicator to allow system operation from several different locations in the facility.

Shared/Master/Associate Areas – An area can be shared by several security areas so it is automatically turned on/off as other areas are occupied. Alternately, an area can be a master area that will arm only after other critical areas are armed.

English Language Display – The optional 540, 541 and 542 Control Centers have a 16-character alphanumeric display that helps guide the user through system operation. Clear English language messages show system status, confirm commands, and give instructions.

LED Display – The optional 550 Control Center has an LED display showing the status of up to eight points (normal, bypassed or alarm memory). Other LED indicators show armed status and AC status to help determine the condition of the system at a glance.

ALL ON/OFF Key – This key provides a simple method to arm and disarm all areas assigned to a passcode.

Tailored Command List – The system provides a customized list of commands, in the order of use, according to user and area.

Individual Points of Protection – The system can be equipped to pinpoint individual doors, windows, fire detectors, or other sensors.

Passcode Access – A personal passcode must be entered each time the system is operated in order to prevent unauthorized use. Up to seventy individual passcodes are available. An event logger automatically stores events to provide an audit trail to track each user.

Authority Levels – One of fifteen authority levels is assigned to each passcode according to area. This limits each user to only those activities allowed by the assigned authority level.

Point Bypass – Designated points of protection can be bypassed before the system is armed in order to permit continued protection for remaining points. Specific points can be given priority status to prevent bypass.

Duress Signaling – Users can inconspicuously advise the Honeywell Customer Service Center of a problem in the event that they are forced to deactivate the system.

Perimeter Arm – Employees who work late can disarm the interior protection while the building's perimeter remains armed. When employees leave, they can conveniently switch from perimeter arm, to complete arm without having to disarm.

Watch Mode – The system can be programmed to automatically sound a short tone when point is violated. This alerts occupants to someone entering or leaving an area when the system is disarmed.

Day Annunciation – Designated protection points can sound a local alarm during business hours to help prevent internal theft through doors in remote parts of a facility.

One Person Walk Test – During the walk test mode, points tested are automatically stored. The 540 Control Center displays a list of points, tested and untested, which allows one person to check the operation of all protection devices. Periodic testing provides assurance that the system is operating properly.

Local Printer – Optional printer(s) provides on-premises recording of system events, including time, date, event, user number, user ID, point number, and explanatory text.

Standby Battery – The system automatically switches over to standby operation in the event of an AC power failure.

High Speed Digital Communicator – The communicator provides low-cost means of signaling the Honeywell Customer Service Center in order to ensure a prompt response to alarm and other system messages.

Specifications

Equipment Dimensions

- D5591H Standard Enclosure: 16.0" x 16.0" x 3.5"
- D8108AH Local/Police Connect Enclosure: 16.0" x 16.0" x 3.5"
- D8109H Red Fire Enclosure: 16.0" x 16.0" x 3.5"
- D8127 (U or T) Point Terminal: 3.2" x 1.5" x 0.9"
- Control Centers: 8.5" x 4.5" x 0.9"

Optional Equipment

- Cellular Backup
- HSL Card (Multiplex Communication Card)

Control Center Models

- 540 Control Center – (16-character display)
- 541 Fire Control Center
- 542 Fire Annunciator
- 550 LED Control Center

Electrical

Input

- Primary: 16.5VAC, 40VA class II plug-in transformer
- Secondary: 12VDC 7AH rechargeable battery

Output

- Continuous: 12VDC, 1.4 amps maximum
- Alarm: 12VDC, 2.0 amps maximum

Environmental

- Operating Specifications: 32-122°F (0-50°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City – MEA

Features	5800	5900
Control Center	8 supervised or 32 unsupervised	8 supervised or 32 unsupervised
Alarm Inputs	48 points	134 points
Relay Outputs	51	131
Event Logger	500	500
Custom Functions	4	14
User Access Windows	0	15
Printers	1	3
Passcodes	25	70

Honeywell

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Helping You Control Your World

TC804C Photoelectric and TC805C Ionization Smoke Detectors

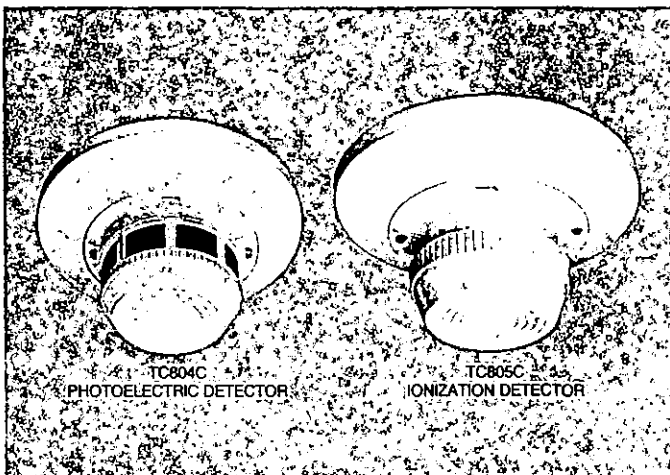
Honeywell's TC804C and TC805C Smoke Detectors are specifically designed to respond to a broad range of fires while offering maximum stability.

The TC804C photoelectric smoke detector contains a unique optical sensing chamber designed to sense the presence of smoke particles produced by a wide range of combustion sources. A custom integrated circuit incorporates signal processing to reduce nuisance alarms.

The TC804C Detector is available with an optional integrated heat detector element. This element activates an alarm signal when the temperature at the detector reaches 135°F (57°C).

The TC805C ionization smoke detector contains a unique dual source, dual unipolar chamber detection design which will sense the presence of smoke particles produced by fast combustion as well as slow smoldering fires. This chamber exhibits increased stability, significantly reduces nuisance alarms and provides better performance at higher air velocities.

Both Detectors are compact and attractive. They are easy to install with convenient terminal strip wiring and a tampered twist-on mounting bracket. The wiring bases are common to both the TC804C and TC805C and can be surface- or electrical box-mounted. The bases include a shorting jumper that provides a convenient method for detection circuit wiring checkout before detectors are installed.



Efficient — Because these detectors use low standby current, power requirements are reduced.

Easy To Install — Convenient terminal strip wiring makes for simplified installation and servicing.

False Alarm Reduction — Engineered for high stability to reduce nuisance alarms.

Attractive — Compact and stylish design.

Optimum LED Visibility — Dual visual alarm LEDs provide 360° viewing angle.

TC804C Photoelectric TC805C Ionization Smoke Detectors

Specifications

Models —

- TC804C-1019 Photoelectric Smoke Detector with 135°F (57°C) heat detector
- TC804C-1001 Photoelectric Smoke Detector without heat detector
- TC805C-1000 Ionization Smoke Detector

Environmental Limits —

Temperatures: 32° to 120°F (0° to 49°C)
Humidity: 10 to 93% rh, noncondensing

TC804C Thermal Detector —

135°F (57°C)

Detector Coverage —

Maximum recommended: 900 ft² (83.6 m²)
Physical characteristics of area covered may reduce effective coverage of detector below 900 ft²

Alarm Indication —

Two red LEDs
LEDs blink in standby, turn on in alarm

Nominal Sensitivity —

TC804C: 3.3 percent/foot obscuration
TC805C: 1.5 percent/foot obscuration

Velocity Rating —

TC804C: 2000 ft/min
TC805C: 1500 ft/min

Insect-Resistant Screen —

0.025 in. (0.635 mm) openings

Testing —

TC804C: Test Card (provided) or Test Magnet
TC805C: Test Magnet

Mountings —

Ceiling or wall

Bases mount on electrical boxes as follows:

14506587-001 or -002 Base:

4 in. (102 mm) square, 1-1/2 in. (38 mm) deep electrical box (adapter bar provided)

3 in. (76 mm) or 4 in. (102 mm) octagonal, 1-1/2 in. (38 mm) deep electrical box

Shipping Weights —

Detector: 0.5 lb (277g)

14506587 Bases:

-001, -002: 0.4 lb (180g)

-004: 0.3 lb (136g)

Construction —

Flame-retardant, off-white Noryl plastic

Accessories —

A77-716-02 End-of-Line Supervisory Relay (used with 14506587-002 Base)

CRT400 Cover Removal Tool

M02-04 Test Magnet

MOD400 Field Sensitivity Test Module (used with test meter for field voltage and sensitivity checkout)

R59-18-00 Test Card

SHPSDG855 Detector Guard

14506510-001 Remote Annunciator

Approvals —

Underwriters Laboratories (UL) listed

Underwriters Laboratories of Canada (ULC) listed

Factory Mutual (FM) approved

State of California Fire Marshal (CFM) approved

Bases Description —

✓	Part No.	Description	Application	Alarm Relay
	14506587-001	Two-wire base with current limiting resistor	Detector is powered from initiating circuit of fire alarm control unit.	N/A
	14506587-002	Two-wire base with current limiting resistor or four-wire base	Detector is powered either from the initiating circuit of a fire alarm control unit or from a separate 24VDC source.	Form A and Form C

Electrical Requirements —

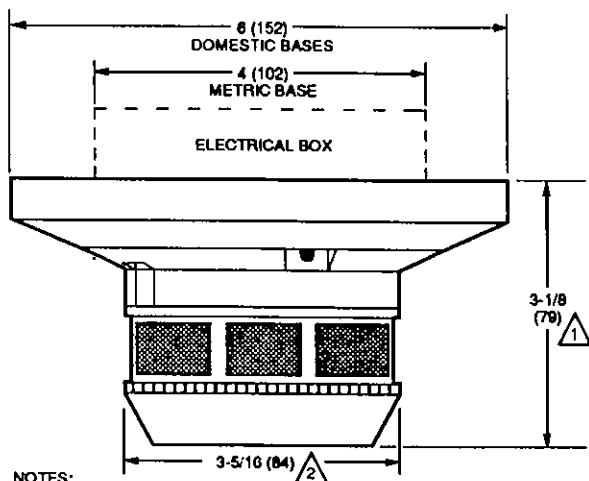
14506587 Base	Current at Nominal Operating Voltage		Nominal Operating Voltage	Voltage Range
	Alarm	Supervisory		
-001	26 mA	120 µA	24VDC	10 to 32VDC 19 to 28.5VDC
-002	36 mA			

Relay Contact Ratings —

Relay located in 14506587-002 Base

Contacts	Voltage	Resistive Rating	Inductive Rating
Form A (one set)	30V ac or dc	2A max.	0.6 pF
Form C (one set)	30V ac or dc	2A max.	0.6 pF
	110V dc	0.6A max.	
	120V ac	1A max.	

Dimensions —



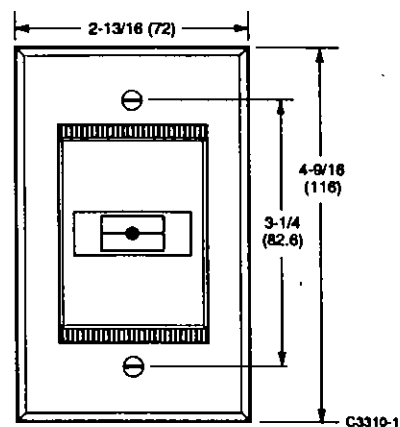
NOTES:

① DEPTH IS 3-11/32 (85) FOR TC804C WITH HEAT DETECTOR.

② DIAMETER IS 3-1/8 (79) FOR TC805C.

C3308

TC804C/TC805C Assembly Dimensions in Inches
(Millimeters)

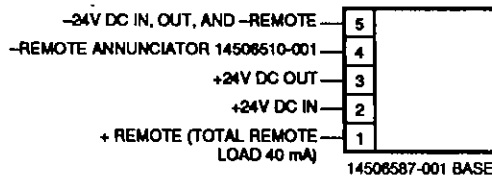


C3310-1

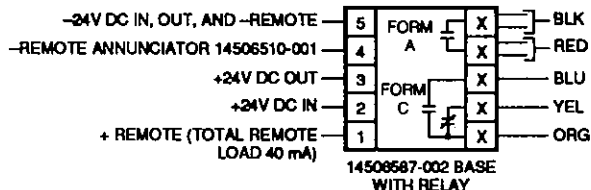
Remote Annunciation Dimensions in Inches
(Millimeters)

Terminal Designations —

FIELD WIRING



FIELD WIRING



X = INTERNAL CONNECTION

C3311

Smoke Detector Base Terminal Designations

TC804B Photoelectric and TC805B Ionization Duct Smoke Detectors

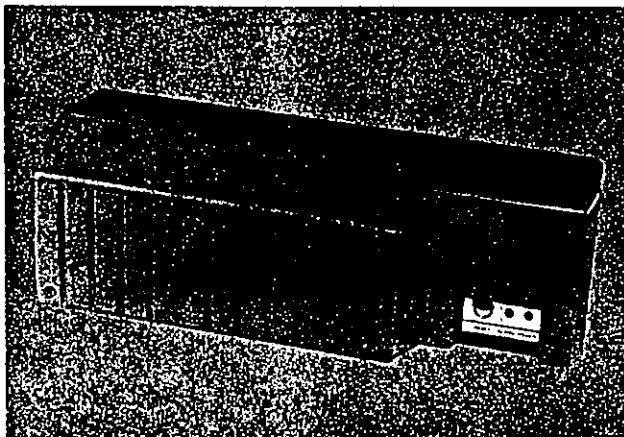
Honeywell's TC804B and TC805B Duct Smoke Detectors are specially designed for operation in areas of high air velocity. Both detectors can handle air velocities from 300 to 3000 (TC805B) or 4000 (TC804B) feet per minute. Additionally, they are easy to install, maintain and service.

The photoelectric- and ionization-type detectors sample the air passing through ducts to provide early detection of developing fire conditions. When smoke is detected in a duct, the fire alarm control panel can initiate events such as damper closing or fan shut-down.

Installation problems are eliminated by the detectors' universal mounting bracket. No additional bracket for either round or rectangular ducts is needed. The accessible detector head mount also facilitates the installation process.

The units' special design simplifies maintenance and service tasks. An integral filter system eliminates tedious piece-by-piece cleaning. When it's time for maintenance, just replace the filter. Easy accessibility to detector heads reduces time spent on servicing the detectors.

NOTE: Duct smoke detectors are not intended as a substitute for open-area protection.



Easy to Install — A universal mounting bracket eliminates the need for additional brackets.

Easy to Service — Accessible detector head cuts down on servicing time.

Easy to Maintain — Integral filter systems do away with piece-by-piece cleaning. A change of filter is all that's needed.

Remote Indicator Option — A remote test station is available for detectors installed in inaccessible locations.

TC804B and TC805B Duct Smoke Detectors

SECURITY

By Honeywell Protection Services

Honeywell

Specifications

Models —

- ☐ TC804B-1003 24VDC Photoelectric
- ☐ TC805B-1002 24VDC Ionization

Operating Voltage —

24VDC models:
20 to 29VDC (24VDC nominal)

Velocity Limits —

TC804B: 300 to 4000 ft./min.
TC805B: 300 to 3000 ft./min.

Environmental Limits —

Temperature: 32 to 120°F (0 to 49°C)
Humidity: 15 to 93% rh, noncondensing

Mounting —

Rectangular or round ducts

Housing —

Molded plastic

Dimensions —

14-1/2 in. (368 mm) wide, 5 in. (127 mm)
high, 7 in. (178 mm) deep

Shipping Weight —

7 lb (3.2 kg)

Power Consumption —

Application		Current Draw at 24VDC (Typical)	
		Alarm	Super- vision
Without AR-10 Auxiliary Relay or RM851DH Remote Test Station		26 mA	100 μ A
With AR-10 Auxiliary Relay		145 mA	
With RM851DH Remote Test Station	Remote Switch OFF	27 mA	
	Remote Switch ON	45 mA	
With AR-10 Auxiliary Relay and RM851DH Remote Test Station	Remote Switch OFF	122 mA	
	Remote Switch ON	165 mA	

Additional Equipment Required —

Sampling Tube:

Metal Tube:

- ☐ BRKST851DH-1 (for duct width 1 to 2 ft.
[30 to 61 cm])
- ☐ BRKST851DH-2 (for duct width 2 to 3 ft.
[61 to 91 cm])
- ☐ BRKST851DH-3.5 (for duct width 3 to 5.5 ft.
[91 to 168 cm])
- ☐ BRKST851DH-6.5 (for duct width 5.5 to 8 ft.
[168 to 244 cm])
- ☐ BRKST851DH-10 (for duct width 8 to 10 ft.
[244 to 305 cm])

Accessories —

- ☐ A1358 Replacement Filter
- ☐ A7766900 Remote Alarm Lamp
(approx. 20 mA)
- ☐ A7771602 End-of-Line Supervisory Relay
(24VDC, required for separately-powered
dc system)
- ☐ AR-10 Auxiliary Relay
(one required for each detector used on
separately-powered DC circuit)
- ☐ RM851DH Remote Test Station
- ☐ TM80 Test Meter
(for field voltage and sensitivity checkout)
- ☐ XR-4 Removal Tool
- ☐ XP-4 Extension Pole
(for use with XR-4 Removal Tool)

Approvals —

Underwriters Laboratories (UL) listed
Underwriters Laboratories of Canada (ULC) listed
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Honeywell

Helping you control your world

PROTECTION SERVICES DIVISION

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Candiac, Quebec
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Providing nationwide U.L. listed central station alarm service

56-2441 4/88 Printed in U.S.A.

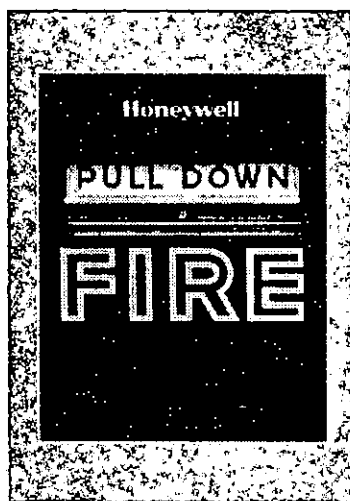
S464A & B, S465A & B Manual Fire Alarm Stations

The Honeywell Manual Fire Alarm Stations feature a wide variety of options designed to provide simple, reliable solutions. Whether it be a pre-signal alarm, key-operated general alarm or a break-glass type alarm, the S464 and S465 family is flexible enough to fit the needs of any fire system application.

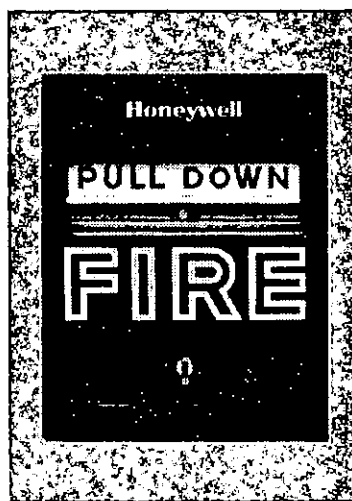
The glass rod option meets all regulations for break-glass type alarms, in addition to providing positive indication of where the alarm was tripped. The original tripping location can also be determined on non-glass rod models, due to their manual reset feature. Some models are equipped with annunciator contacts that identify alarm stations at a remote annunciator panel.

Certain applications require that fire alarms initiate a pre-signal alarm that sounds in selected areas only. Once emergency conditions have been verified, a general alarm can be initiated at a pre-signal station with a key-operated manual switch. This alarm verification option helps to reduce the possibility of nuisance alarms.

Reliability is ensured with corrosion-resistant gold contacts used in initiating circuit operation.



S464



S465

Reliable Operation — Gold contacts ensure smooth, reliable operation of circuit initiation

Easy Detection of Tripping Location — Manual reset and break-glass features make it easy to determine location of the original alarm

Verification Option — A pre-signal alarm allows for verification of emergency conditions before general alarm is initiated

Easy to Install — Mounts on a standard electrical box for semi-flush applications.

S464A & B, S465A & B Manual Fire Alarm Stations



Specifications

Models —

- ☐ S464A Manual Fire Alarm Station
- ☐ S464A Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S464B Manual Fire Alarm Station with Annunciator Contacts
- ☐ S465A Presignal Manual Fire Alarm Station
- ☐ S465A Presignal Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S465B Presignal Manual Fire Alarm Station with Annunciator Contacts

Switching Action —

S464A spst, normally open
S464B dpst, normally open
S465A spst (2), normally open
S465B dpst (1) and spst (1), normally open

General Alarm Key —

Two keys supplied

Finish —

Fire-alarm red with white enamel

Mounting —

Surface: Use separately ordered 14503687-001
Surface Mounting Box
Semiflush: Use standard electrical box from
Table 1

Environmental Operating Limits —

Temperature: -30° to 150°F (-34 to 66°C)
Humidity: 0 to 95% rh

Storage Environment —

Temperature: -70° to 150°F (-57° to 66°C)
Humidity: 0 to 95% rh

Wiring —

Field wiring is made to screw-type terminal
block or pigtail leads

Approvals —

Underwriters Laboratories (UL) listed
Canadian Standards Association (CSA)
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Approximate Weight —

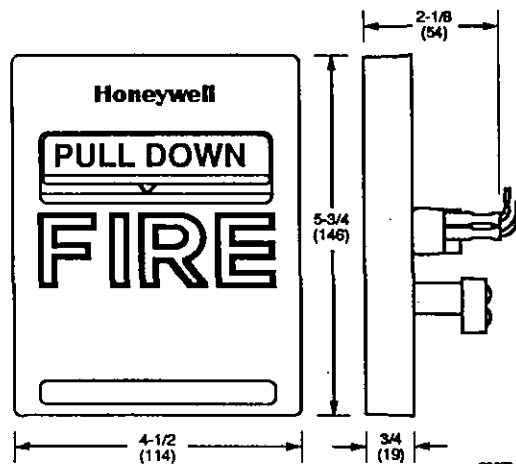
2.5 lb (1 kg)

Accessories —

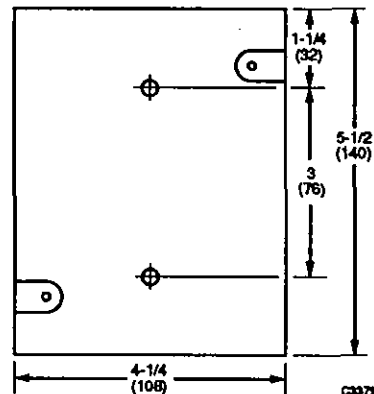
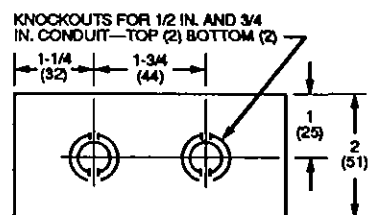
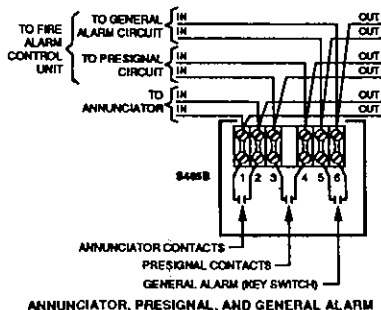
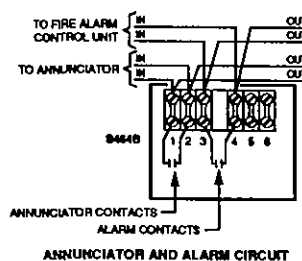
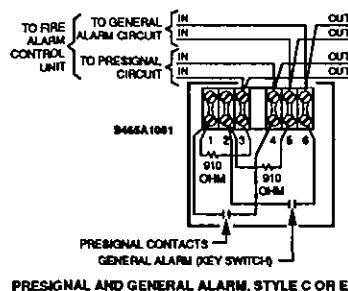
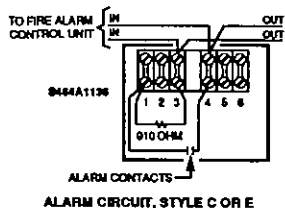
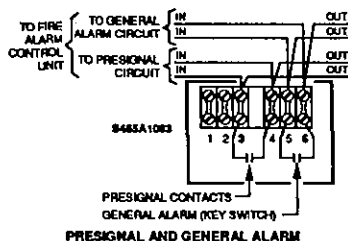
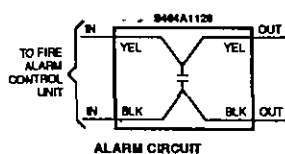
- ☐ 800893 Glass rod (two furnished with device)
- ☐ 316547 Key (two furnished with device)
- ☐ 14504581 Dual Action Accessory, ordered
separately

Table 1. Standard Electrical Box Selection

Electrical Box	S464A	S464B	S465A	S465B
Single gang 2-3/4 in. (70 mm) deep	Yes	No	No	No
Double gang 2-3/4 in. (70 mm) deep	Yes	Yes	Yes	No
4 in. (102 mm) sq. or 4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with single or double plaster ring	Yes	Yes	Yes	No
4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with double plaster ring	Yes	Yes	Yes	Yes



S464 and S465
Approximate Dimensions in
Inches (Millimeters).



S464 and S465 Field Wiring Configurations.

Wheelock's most popular fire signals and speakers are now available with low current draw 117 Candela Strobes for Americans With Disabilities Act (ADA) applications. This is the same product line that has earned the industry's highest overall ratings for quality and value in a survey of Fire Alarm ESDs and OEMs*.

Description

Wheelock's line of 117 Candela Strobe Products features one of industry's lowest cost ADA strobe solutions with state-of-the-art audible/visible combination signals such as high output electronic horns and mini horns; uniquely versatile electronic multitone signals and chimes; high performance voice evacuation speakers.

These products are described in this data sheet. For full specifications on these life safety signals, call us for the individual product spec sheets referenced in the table on the next page.

Features

Wheelock's alarm signals are the industry's preferred line of signaling products because they have a consistent record of field proven reliability, because they comply fully with the latest codes and standards, and because they provide big savings on every job with features like:

- Lower current draw to minimize power supply and wiring costs.
- Higher dBA output to enhance audibility—up to 106 peak dBA at 10 feet.
- Convenient mounting to standard low cost electrical boxes.
- Fully assembled products to eliminate costly field assembly.
- Fast in-out wiring terminals to save on installation time.
- UL Listed for Fire Protective Service.

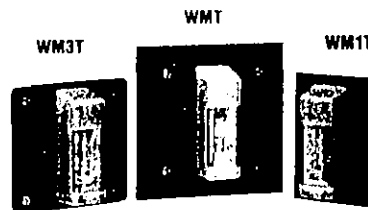
* The U.S. Fire Alarm Market: Characteristics and Trends, STAT Resources, Inc., 1991.

117 CANDELA STROBE PRODUCTS

STROBES

Series WM Strobes

- 117 candela flashing strobes for ADA applications
- Low current draw—just 0.088 amps



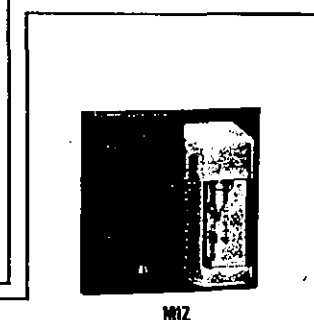
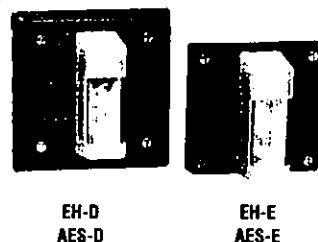
ELECTRONIC SIGNALS

Series EH Electronic Strobe Horns

- State-of-the-art performance at lower installed cost
- 103 peak dBA with 117 candela strobes

Series AES Multi-Tone Signals

- A choice of penetrating alarm tones
- Multiple alarms with one device
- 106 peak dBA with 117 candela strobes



MINI-HORNS

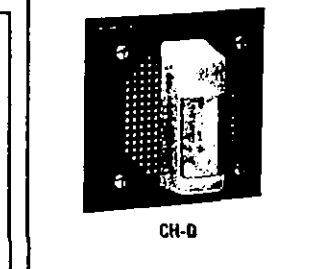
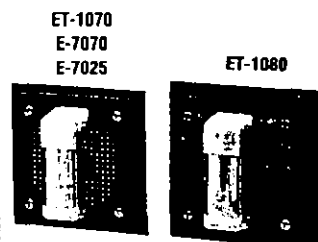
Series MIZ Mini-Horns

- Designed and priced specifically for in-the-room applications
- 90 peak dBA with 117 candela strobes

CHIMES

Series CH Electronic Strobe Chimes

- Just one-tenth the current draw of conventional chimes
- 83 peak dBA with 117 candela strobes



SPEAKERS

Series ET and Series E Strobe Speakers

- For exceptional performance in emergency voice communications systems
- 78 dBA at 1/8 watt to 96 dBA at 8 watts with 117 candela strobes

Ordering Information and Specifications

Signal	Model Number	Order Code	Grille Color	Voltage (VDC)	Current (AMPS)	dBA Rating		Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
						Peak	Typical					
WM Strobes	WMT-24-FR	4909	Red	24	0.088			117	A	1	S0800	UL CFM* NYC BFP* FM*
	WM1T-24-FR	4910	Red	24	0.088			117	B			
	WM3T-24-FR	4911	Red	24	0.088			117	C, D			
EH Horns	EH-DL1-WM-24-VF-R	4912	Red	24	0.105	103	96	117	E, G	3, 4	S1400	UL CFM* NYC* BFP* FM*
	EH-EL1-WM-24-VF-R	4913	Red	24	0.105	103	96	117	H, I, J, L			
AES Multitone	AES-DL1-WM-24-VF-R	4914	Red	24	0.138	106	100	117	E, F, G	2, 4	S1300	
	AES-EL1-WM-24-VF-R	4915	Red	24	0.138	106	100	117	H, I, J, K, L			
MIZ Minihorns	MIZ-24-WM-VF-R	4916	Red	24	0.100	90		117	P, Q	2	S1700	
CH Chimes	CH-DF1-WM-24-VF-R	4917	Red	24	0.108	83		117	N, O	3, 4	S0700	UL, CFM* NYC*, BFP*

Speaker	Model Number	Order Code	Grille Color	Voltage (VRMS)	Speaker Watts	dBA Rating	Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
E Speakers	E-7025-WM-24-VF-R	4918	Red	25			117				
	E-7025-WM-24-VF-W	4919	White	25	1/4	81	117				
	E-7070-WM-24-VF-R	4920	Red	70	1	87	117	M, N, O	4	S1600	UL CFM* NYC*
	E-7070-WM-24-VF-W	4921	White	70	2	90	117				
ET Speakers	ET-1070-WM-24-VF-R	4922	Red	25/70	1/8	78	117				
	ET-1070-WM-24-VF-W	4923	White	25/70	1/4	81	117				
	ET-1080-WM-24-VF-R	4924	Red	25/70	1	87	117	N, O	4	S0300	UL CFM* BFP*
	ET-1080-WM-24-VF-W	4925	White	25/70	2	90					

Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Wheelock, Inc. standard terms and conditions. * Pending

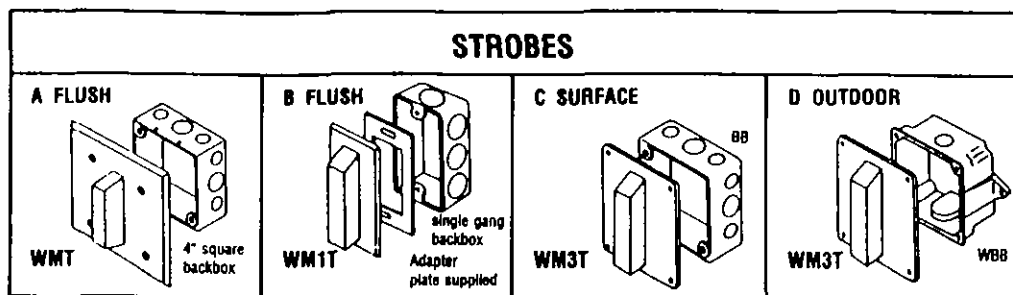
WARNING: Any material extrapolated from this document or from Wheelock manuals or other documents describing the product for use in promotional or advertising claims, is used at the sole risk of the user and Wheelock will not have any liability for such use.

NOTES:

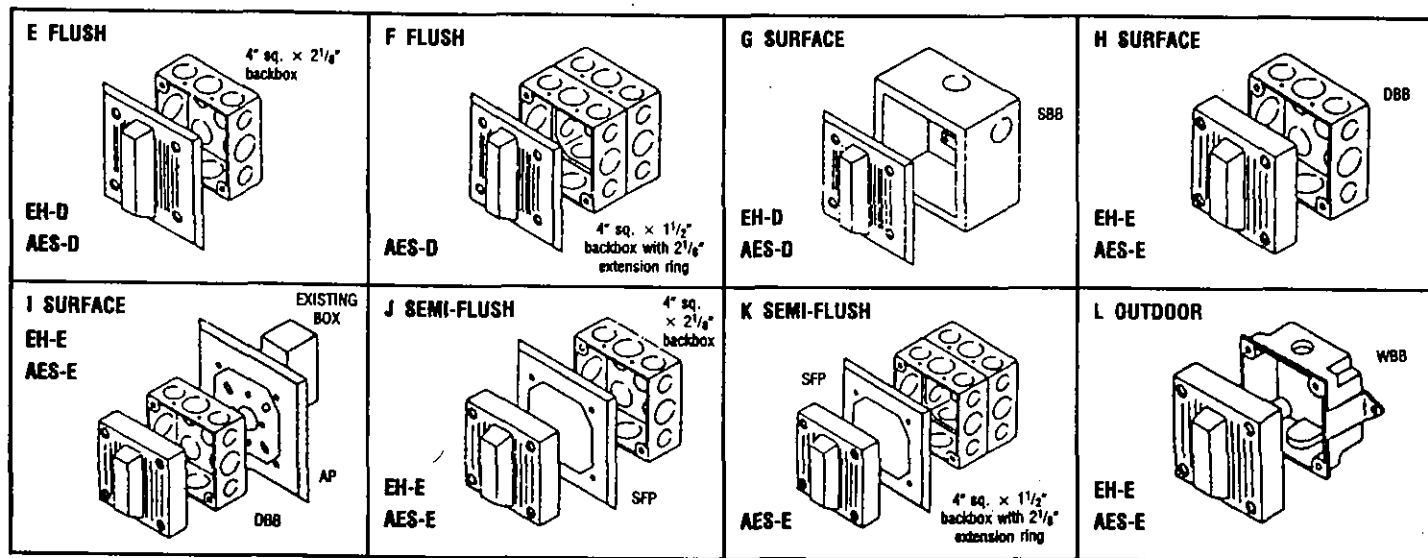
1. Rated current is for strobe and audible combined at 24 VDC. Current for strobe alone is 0.088 AMPS at 24 VDC.
2. Strobe in-rush current is 3 times rated current for 1 millisecond (2 times rated current for 10 milliseconds). Circuit fuses must be rated to handle this in-rush. In-rush current limitation (by the power supply) does not affect strobe operation. Power supply and wiring can be based on rated (steady state) current.
3. All strobes are designed to flash as specified with continuous applied nominal voltage. Strobe flash rate is designed for 1 flash per second at 24 VDC. Strobes are not recommended for use on interrupted or pulsing signaling circuits.
4. Strobe candela rating is per UL Standard 1638 measured on axis. **Warning:** This intensity may not be adequate to alert or awaken occupants in the protected area.
5. Rated voltage is 18-31 VDC (filtered or unfiltered FWR).
6. Peak dBA is measured at 10 feet in an anechoic chamber with peak meter response. Typical dBA is average sound level measured with fast meter response.
7. Speaker models have all wattage taps shown in table (field selectable) except ET models do not provide 4-watt tap with 25 VRMS audio voltage. Speaker dBA ratings are measured at 10 feet per UL standard 1480.
8. Select largest backbox shown in mounting options where possible to provide additional wiring room for easy installation.
9. UL = Underwriters Laboratories (Listed under Standards 1638, 464 and 1480), CFM = California Fire Marshal, NYC = New York City, BFP = Chicago, FM — Factory Mutual.

Mounting Options

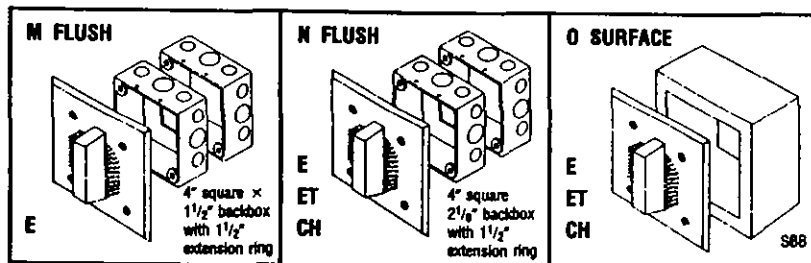
(mounting plates and backboxes ordered separately)



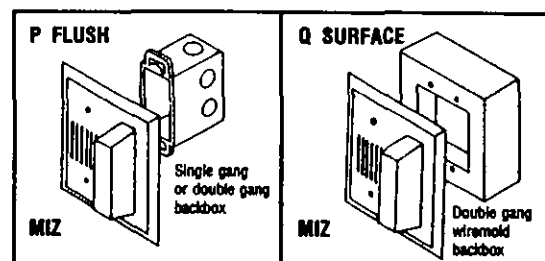
HORNS & MULTITONE



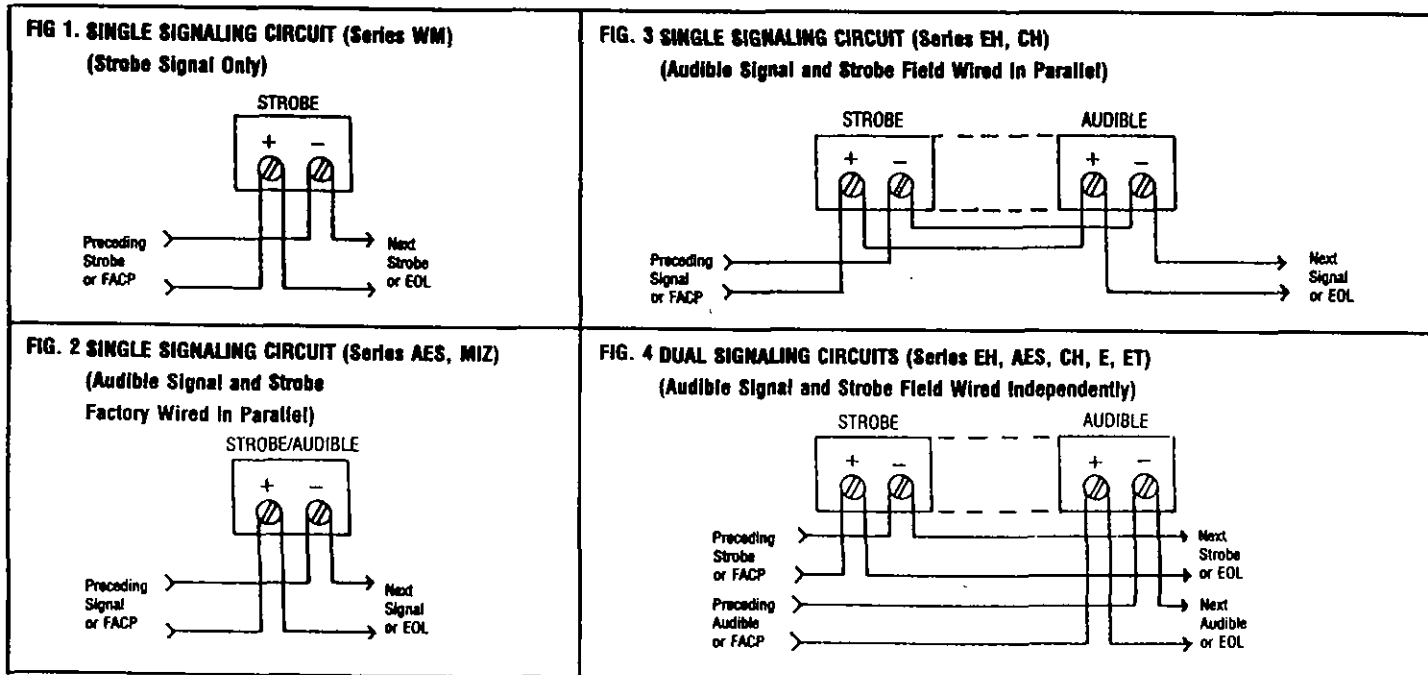
SPEAKERS & CHIMES



MINI-HORNS



Wiring Options



Intelliguard Control Centers

The Honeywell Intelliguard Security System offers four control centers to meet every customer's needs. Control centers display system status, and are used to execute a variety of system commands. Each Intelliguard system employs the appropriate control center to provide security most efficiently and effectively. An Intelliguard system may consist of only one type of control center in all areas, or may include a combination of types according to customer security requirements.

Every control center consists of a display and keypad with which system activities are initiated. The display provides the current status of the system and any feedback from the keypad activities. All control centers have built-in audibles that produce distinct warning tones. The warning tones assist the user in determining the Intelliguard system status.

The 540, 541 and 542 Control Centers feature an English language display with custom programmable text. The alphanumeric display walks the user through each command, and shows the exact location of any alarm or system trouble.

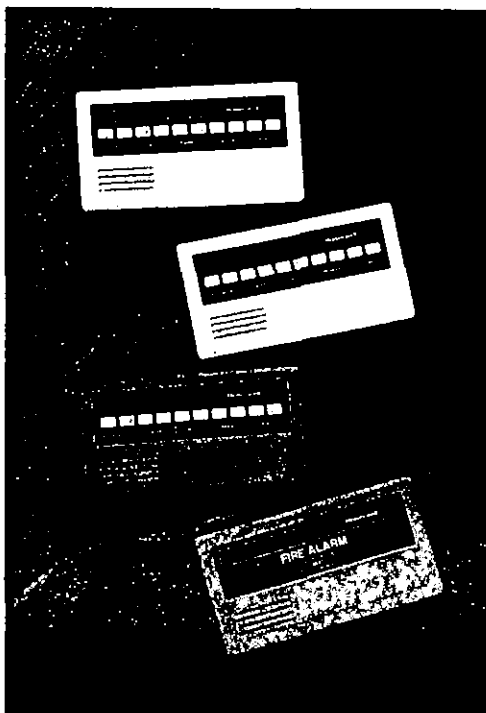
The 540 Control Center provides system annunciation and control over all system operations. It features ten numeric keys (1-0) arranged horizontally with five larger function keys also arranged horizontally below the numeric keys. The function keys are

labeled ALL ON/OFF, ENTER, NEXT, PREVIOUS, and CLEAR. They provide ease-of-use and make day-to-day operation effortless.

The 541 Fire Control Center provides annunciation as well as system control. It works like the 540 Control Center; but has three unique function keys (ACKNOWLEDGE, SILENCE, and RESET) which do not require a passcode to operate. These three fire control function keys let the user control audible alarms and scroll through a list of affected points.

The 542 Fire Annunciator provides system annunciation only. It has no command functions for system operations and requires no operator passcode. The annunciator has one function key (NEXT), which allows the user to scroll through a list of trouble and alarm events.

The 550 LED Control Center provides cost-effective control in areas requiring basic operation. The control center controls only its local area and offers a built-in LED display, a 15 key touchpad, and annunciation for alarm and faulted conditions at each protection point. Perimeter, interior, and AC power are indicated by LED display. The 550 Control Center has five function keys (ALL ON/OFF, ENTER, PERIMETER, WATCH, and RESET).



Intelliguard Control Centers

User Friendly Displays – Custom text provides tailored descriptions.

Ease of Use – Displays and function keys guide system operation.

Simple Arming and Disarming – One step function key (ALL ON/OFF) provides total simplicity.

User Control – Passcode authority levels determine which system operators can perform which system functions.

Efficient & Effective Control – Four different control centers annunciate, control security, and provide fire protection.

Intelliguard Control Centers

Control Centers

540 CONTROL CENTER

The 540 Control Center is a 4-wire keypad/display unit used with the Intelliguard 5700, 5800, 5900, and 5924 security systems. It features a 10 digit keypad, five function keys, a 16-character English language display, and a built-in speaker that emits several distinct warning tones. The 540 function keys include:

ALL ON/OFF key arms and disarms all areas for which a user has authority.

ENTER key brings the user to the first command on the command list.

NEXT key allows the user to view a list of bypassed and faulted points in a disarmed area. This key also provides navigation through the tailored command list.

PREVIOUS key permits the user to see the status of all bypassed and faulted points in an area which is disarmed. When viewing the tailored command list, this key shows the user the previously available command.

CLEAR key silences all trouble and alarm tones for the local control center. This key also allows the user to scroll through a list of trouble and alarms.

541 FIRE CONTROL CENTER

The 541 Fire Control Center provides simple control of fire protection that does not require passcode operation. The 541 function keys include:

ACKNOWLEDGE key silences the control center sounder (not fire audibles) and releases the display to scroll through alarm events.

SILENCE key silences any indicating devices (fire horns, burglary bells, etc.), as well as releases the scrolling alarm display.

RESET key reinitiates all sensors and clears the alarm memory. If this key is pushed before ACKNOWLEDGE or SILENCE, it will act as the SILENCE key.

542 FIRE ANNUNCIATOR

The 542 Fire Annunciator is a remote display for fire alarm events that allows local authorities to easily view fire alarm conditions. The 542 features a display and sounder and is assigned to a specific area. There are no alarm control capabilities with this control center. The words FIRE ALARM are prominently displayed on the keypad. All alarm events from the control center's assigned area are shown.

NEXT key steps through multiple alarm displays.

550 LED CONTROL CENTER

The 550 LED Control Center is an economical control center that provides control over a single area with simple LED annunciation. The 550 is designed for areas with less than nine points of protection and moderate security operations, such as a cash office or stock room. The 550 may be used for a combination of burglary, fire, or other point type monitoring. The display consists of LEDs which indicate armed status, point status, and power. The sounder is a piezo device. The 550 function keys include:

ALL ON/OFF key arms and disarms only the local area.

ENTER key silences alarms other than burglary alarms.

PERIMETER key Perimeter Arms or Disarms the area.

WATCH key turns the watch mode on and off.

RESET key reinitiates all sensors and clears the alarm memory for the area.

Specifications

Dimensions

- Control Centers: 8.5" x 4.5" x 0.9"

Voltage Input

- Nominal 12 VDC supplied by the Intelliguard control/communicator

Current Required

540, 541, and 542 Control Centers

- Idle: 104mA
- Maximum: 206 mA, with annunciation and warning tone on.

550 LED Control Center

- Idle: 20mA
- Maximum: 75mA, with annunciation and warning tone on.

Wiring Primary

- Four-wire cable supplies Data In, Data Out, +12VDC, and Common.
- Maximum data loop resistance: 240Ω.

Colors

- Fire Engine Red
- Soft White

Display

540, 541, and 542 Control Centers

- 16-character vacuum fluorescent display
- 14-segment unit characters
- Soft blue color

550 LED Control Center

- 8 point LED display
- 1 power LED
- 1 command LED
- 3 arm status LEDs

Environmental

- Operating Specifications: 32-122° F (0-50° C)
- Relative Humidity: 5 to 85% @ 86°F (30°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City - MEA

Honeywell

Home and Building Control
Honeywell, Inc.
Honeywell Plaza
P.O. Box 524
Minneapolis, MN 55408-0524

In Canada:
8 Place du Commerce
Nuns Island
Verdun Quebec
Canada H3E 1N3

Helping You Control Your World

Intelliguard 5800/5900 Security System

The Honeywell Intelliguard "area controlled" security system protects against internal and external theft. With the Intelliguard system, up to eight different areas of a facility can be individually armed and disarmed in order to provide security in one area while other areas are occupied.

Intelliguard areas are designed to match specific business needs and routines. A hallway or vestibule shared by several security areas can be automatically turned on or off to assure easy access to other protected areas. The system can also be programmed to require that a certain critical area be turned on before the entire system is armed.

The flexibility of the Intelliguard system allows the monitoring of several types of protection, such as burglary, fire, sprinkler supervision, hold-up and critical equipment, at the same control and at one affordable price.

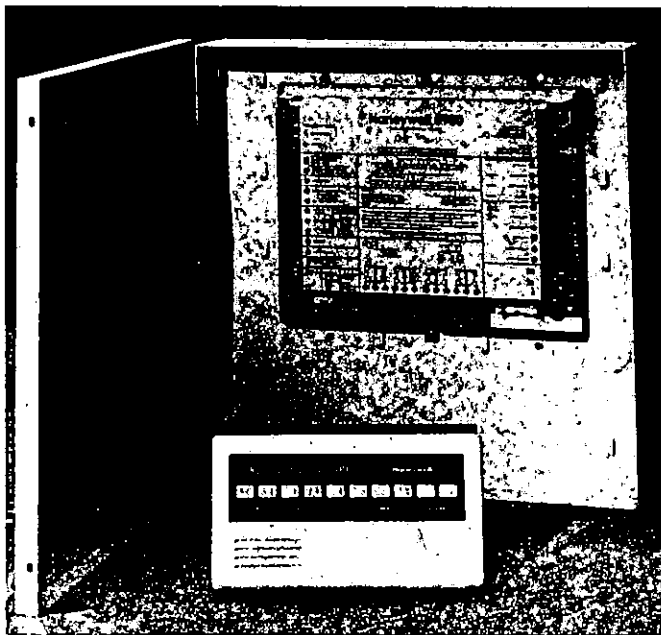
The Intelliguard system can be equipped to pinpoint the exact location of an alarm, ensuring a more accurate response to an emergency. Additionally, repeat false alarms are minimized because the source of the problem is identified and can be fixed the first time.

Honeywell has designed a family of control centers to meet every customer's needs. Control centers are used to display system status, and can perform a variety of system commands, such as arming or disarming all areas at once, arming or disarming one area at a time, and arming or disarming an area's perimeter. The control centers utilize function keys that provide simple, yet flexible, features such as the "ALL ON/OFF" key that makes arming and disarming effortless. The control centers also provide access to a tailored command list, showing users only those commands they might need.

Employees are assigned a user passcode with its own authority level. Passcodes with authority levels provide security against unauthorized use. A passcode must be used to initiate any system command.

An Intelliguard system monitored by Honeywell's Customer Service Center enhances property protection because the fire or police department is quickly dispatched in response to an alarm signal.

Intelliguard has received approvals from various agencies, providing assurance that it meets all industry standards.



5800/5900 Security System

Flexible Security – Area controlled security protects against both external and internal theft by securing some areas while others are occupied.

Adaptability to Building Use – A shared area may be armed or disarmed to allow access to common areas. The system can also require the arming of critical areas before the main system is armed.

Cost Effectiveness – Burglary, fire, hold-up, critical equipment monitoring, and other services are monitored from one control at one affordable price.

Ease of Use – Arming and disarming is simple with the "ALL ON/OFF" key.

Employee Control – Passcode authority levels control who operates the system and what they do.

Honeywell Monitoring – The Honeywell Customer Service Center assures reliable and prompt response to alarm conditions.

Approvals – The Intelliguard System is listed by several approval agencies – your assurance that it meets the highest industry standards.

Tailored Security – Tailored areas, control centers, command lists, and displays match your system to your building operation.

Intelliguard 5800/5900 Security System

Features

Multiple Protection Services – Functions such as burglary, fire, sprinkler supervision, hold-up, and critical equipment monitoring can be combined into one cost-effective, centrally monitored system.

Area Controlled Security – A business can protect against external and internal theft because up to eight different areas of a facility can be armed and disarmed independently in order to provide security in one area while others are occupied.

Multiple Control Centers – Several control centers can be connected to one control/communicator to allow system operation from several different locations in the facility.

Shared/Master/Associate Areas – An area can be shared by several security areas so it is automatically turned on/off as other areas are occupied. Alternately, an area can be a master area that will arm only after other critical areas are armed.

English Language Display – The optional 540, 541 and 542 Control Centers have a 16-character alphanumeric display that helps guide the user through system operation. Clear English language messages show system status, confirm commands, and give instructions.

LED Display – The optional 550 Control Center has an LED display showing the status of up to eight points (normal, bypassed or alarm memory). Other LED indicators show armed status and AC status to help determine the condition of the system at a glance.

ALL ON/OFF Key – This key provides a simple method to arm and disarm all areas assigned to a passcode.

Tailored Command List – The system provides a customized list of commands, in the order of use, according to user and area.

Individual Points of Protection – The system can be equipped to pinpoint individual doors, windows, fire detectors, or other sensors.

Passcode Access – A personal passcode must be entered each time the system is operated in order to prevent unauthorized use. Up to seventy individual passcodes are available. An event logger automatically stores events to provide an audit trail to track each user.

Authority Levels – One of fifteen authority levels is assigned to each passcode according to area. This limits each user to only those activities allowed by the assigned authority level.

Point Bypass – Designated points of protection can be bypassed before the system is armed in order to permit continued protection for remaining points. Specific points can be given priority status to prevent bypass.

Duress Signaling – Users can inconspicuously advise the Honeywell Customer Service Center of a problem in the event that they are forced to deactivate the system.

Perimeter Arm – Employees who work late can disarm the interior protection while the building's perimeter remains armed. When employees leave, they can conveniently switch from perimeter arm, to complete arm without having to disarm.

Watch Mode – The system can be programmed to automatically sound a short tone when point is violated. This alerts occupants to someone entering or leaving an area when the system is disarmed.

Day Annunciation – Designated protection points can sound a local alarm during business hours to help prevent internal theft through doors in remote parts of a facility.

One Person Walk Test – During the walk test mode, points tested are automatically stored. The 540 Control Center displays a list of points, tested and untested, which allows one person to check the operation of all protection devices. Periodic testing provides assurance that the system is operating properly.

Local Printer – Optional printer(s) provides on-premises recording of system events, including time, date, event, user number, user ID, point number, and explanatory text.

Standby Battery – The system automatically switches over to standby operation in the event of an AC power failure.

High Speed Digital Communicator – The communicator provides low-cost means of signaling the Honeywell Customer Service Center in order to ensure a prompt response to alarm and other system messages.

Specifications

Equipment Dimensions

- D5591H Standard Enclosure: 16.0" x 16.0" x 3.5"
- D8108AH Local/Police Connect Enclosure: 16.0" x 16.0" x 3.5"
- D8109H Red Fire Enclosure: 16.0" x 16.0" x 3.5"
- D8127 (U or T) Point Terminal: 3.2" x 1.5" x 0.9"
- Control Centers: 8.5" x 4.5" x 0.9"

Optional Equipment

- Cellular Backup
- HSL Card (Multiplex Communication Card)

Control Center Models

- 540 Control Center – (16-character display)
- 541 Fire Control Center
- 542 Fire Annunciator
- 550 LED Control Center

Electrical

Input

- Primary: 16.5VAC, 40VA class II plug-in transformer
- Secondary: 12VDC 7AH rechargeable battery

Output

- Continuous: 12VDC, 1.4 amps maximum
- Alarm: 12VDC, 2.0 amps maximum

Environmental

- Operating Specifications: 32-122°F (0-50°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City – MEA

Features	5800	5900
Control Center	8 supervised or 32 unsupervised	8 supervised or 32 unsupervised
Alarm Inputs	48 points	134 points
Relay Outputs	51	131
Event Logger	500	500
Custom Functions	4	14
User Access Windows	0	15
Printers	1	3
Passcodes	25	70

Honeywell

Helping You Control Your World

Home and Building Control
Honeywell, Inc.
Honeywell Plaza
P.O. Box 524
Minneapolis, MN 55408-0524

In Canada:
8 Place du Commerce
Nuns Island
Verdun Quebec
Canada H3E 1N3

Wheelock's most popular fire signals and speakers are now available with low current draw 117 Candela Strobes for Americans With Disabilities Act (ADA) applications. This is the same product line that has earned the industry's highest overall ratings for quality and value in a survey of Fire Alarm ESDs and OEMs*.

Description

Wheelock's line of 117 Candela Strobe Products features one of industry's lowest cost ADA strobe solutions with state-of-the-art audible/visible combination signals such as high output electronic horns and mini horns; uniquely versatile electronic multitone signals and chimes; high performance voice evacuation speakers.

These products are described in this data sheet. For full specifications on these life safety signals, call us for the individual product spec sheets referenced in the table on the next page.

Features

Wheelock's alarm signals are the industry's preferred line of signaling products because they have a consistent record of field proven reliability, because they comply fully with the latest codes and standards, and because they provide big savings on every job with features like:

- Lower current draw to minimize power supply and wiring costs.
- Higher dBA output to enhance audibility—up to 106 peak dBA at 10 feet.
- Convenient mounting to standard low cost electrical boxes.
- Fully assembled products to eliminate costly field assembly.
- Fast in-out wiring terminals to save on installation time.
- UL Listed for Fire Protective Service.

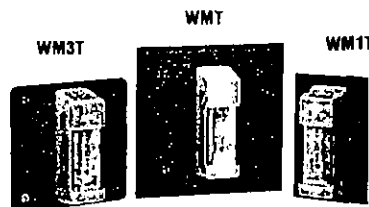
* The U.S. Fire Alarm Market: Characteristics and Trends, STAT Resources, Inc., 1991.

117 CANDELA STROBE PRODUCTS

STROBES

Series WM Strobes

- 117 candela flashing strobes for ADA applications
- Low current draw—just 0.088 amps



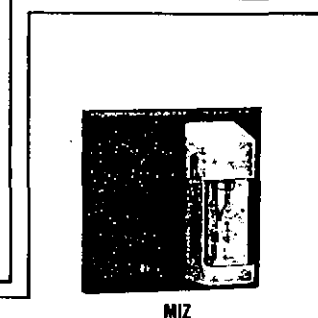
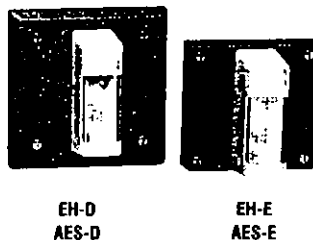
ELECTRONIC SIGNALS

Series EH Electronic Strobe Horns

- State-of-the-art performance at lower installed cost
- 103 peak dBA with 117 candela strobes

Series AES Multi-Tone Signals

- A choice of penetrating alarm tones
- Multiple alarms with one device
- 106 peak dBA with 117 candela strobes



MINI-HORNS

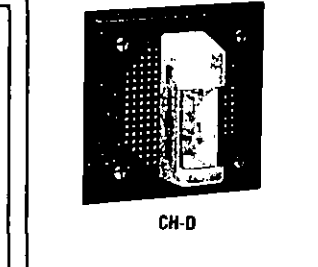
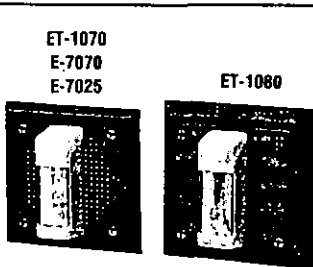
Series MIZ Mini-Horns

- Designed and priced specifically for in-the-room applications
- 90 peak dBA with 117 candela strobes

CHIMES

Series CH Electronic Strobe Chimes

- Just one-tenth the current draw of conventional chimes
- 83 peak dBA with 117 candela strobes



SPEAKERS

Series ET and Series E Strobe Speakers

- For exceptional performance in emergency voice communications systems
- 78 dBA at 1/8 watt to 96 dBA at 8 watts with 117 candela strobes

Ordering Information and Specifications

Signal	Model Number	Order Code	Grille Color	Voltage (VDC)	Current (AMPS)	dBA Rating		Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
						Peak	Typical					
WM Strobes	WMT-24-FR	4909	Red	24	0.088			117	A	1	S0800	UL CFM* NYC BFP* FM*
	WM1T-24-FR	4910	Red	24	0.088			117	B			
	WM3T-24-FR	4911	Red	24	0.088			117	C, D			
EH Horns	EH-DL1-WM-24-VF-R	4912	Red	24	0.105	103	96	117	E, G	3, 4	S1400	UL CFM* NYC* BFP* FM*
	EH-EL1-WM-24-VF-R	4913	Red	24	0.105	103	96	117	H, I, J, L			
AES Multitone	AES-DL1-WM-24-VF-R	4914	Red	24	0.138	106	100	117	E, F, G	2, 4	S1300	UL CFM* NYC* BFP* FM*
	AES-EL1-WM-24-VF-R	4915	Red	24	0.138	106	100	117	H, I, J, K, L			
MIZ Mini horns	MIZ-24-WM-VF-R	4916	Red	24	0.100	90		117	P, Q	2	S1700	
CH Chimes	CH-DF1-WM-24-VF-R	4917	Red	24	0.108	83		117	N, O	3, 4	S0700	UL, CFM* NYC*, BFP*

Speaker	Model Number	Order Code	Grille Color	Voltage (VRMS)	Speaker Watts	dBA Rating	Candela Rating	Mounting Options	Wiring Options	Spec Sheet	Approvals
E Speakers	E-7025-WM-24-VF-R	4918	Red	25	1/4 1/2 1 2	81 84 87 90	117	M, N, O	4	S1600	UL CFM* NYC*
	E-7025-WM-24-VF-W	4919	White	25			117				
	E-7070-WM-24-VF-R	4920	Red	70			117				
	E-7070-WM-24-VF-W	4921	White	70			117				
ET Speakers	ET-1070-WM-24-VF-R	4922	Red	25/70	1/8	78	117	N, O	4	S0300	UL CFM* BFP*
					1/4	81					
	ET-1070-WM-24-VF-W	4923	White	25/70	1/2	84	117				
	ET-1080-WM-24-VF-R	4924	Red	25/70	1	87	117				
	ET-1080-WM-24-VF-W	4925	White	25/70	2	90					
					4	93					
					8	96	117				

Due to continuous development of our products, specifications and offerings are subject to change without notice in accordance with Wheelock, Inc. standard terms and conditions. * Pending

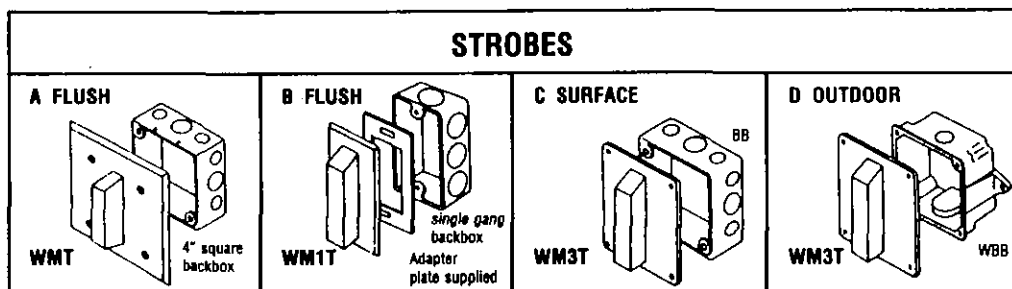
WARNING: Any material extrapolated from this document or from Wheelock manuals or other documents describing the product for use in promotional or advertising claims, is used at the sole risk of the user and Wheelock will not have any liability for such use.

NOTES:

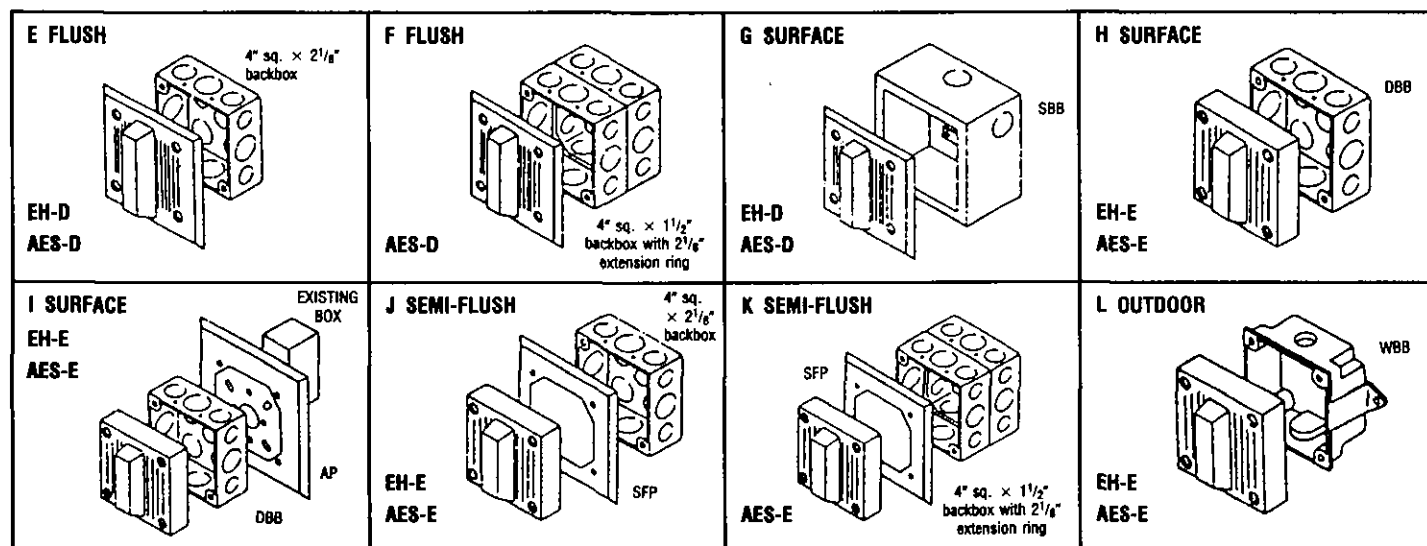
1. Rated current is for strobe and audible combined at 24 VDC. Current for strobe alone is 0.088 AMPS at 24 VDC.
 2. Strobe in-rush current is 3 times rated current for 1 millisecond (2 times rated current for 10 milliseconds). Circuit fuses must be rated to handle this in-rush. In-rush current limitation (by the power supply) does not affect strobe operation. Power supply and wiring can be based on rated (steady state) current.
 3. All strobes are designed to flash as specified with continuous applied nominal voltage. Strobe flash rate is designed for 1 flash per second at 24 VDC. Strobes are not recommended for use on interrupted or pulsing signaling circuits.
 4. Strobe candela rating is per UL Standard 1638 measured on axis. **Warning:** This intensity may not be adequate to alert or awaken occupants in the protected area.
 5. Rated voltage is 18-31 VDC (filtered or unfiltered FWR).
 6. Peak dBA is measured at 10 feet in an anechoic chamber with peak meter response. Typical dBA is average sound level measured with fast meter response.
 7. Speaker models have all wattage taps shown in table (field selectable) except ET models do not provide 4-watt tap with 25 VRMS audio voltage. Speaker dBA ratings are measured at 10 feet per UL standard 1480.
 8. Select largest backbox shown in mounting options where possible to provide additional wiring room for easy installation.
 9. UL = Underwriters Laboratories (Listed under Standards 1638, 464 and 1480), CFM = California Fire Marshal, NYC = New York City, BFP = Chicago, FM — Factory Mutual.

Mounting Options

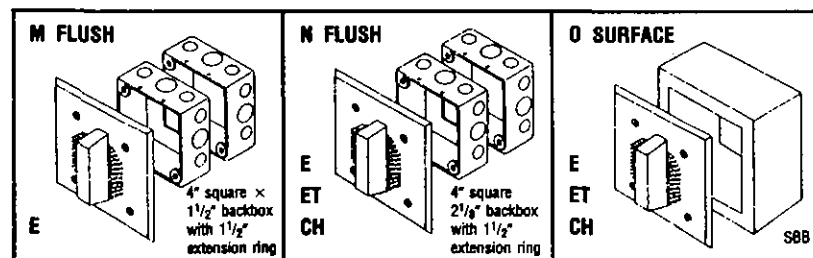
(mounting plates and backboxes ordered separately)



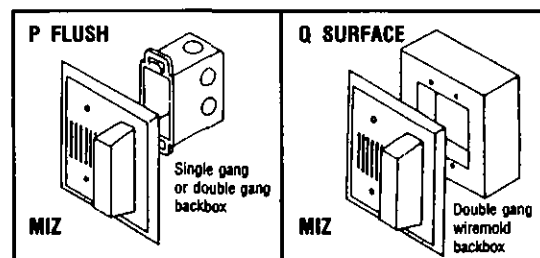
HORNS & MULTITONE



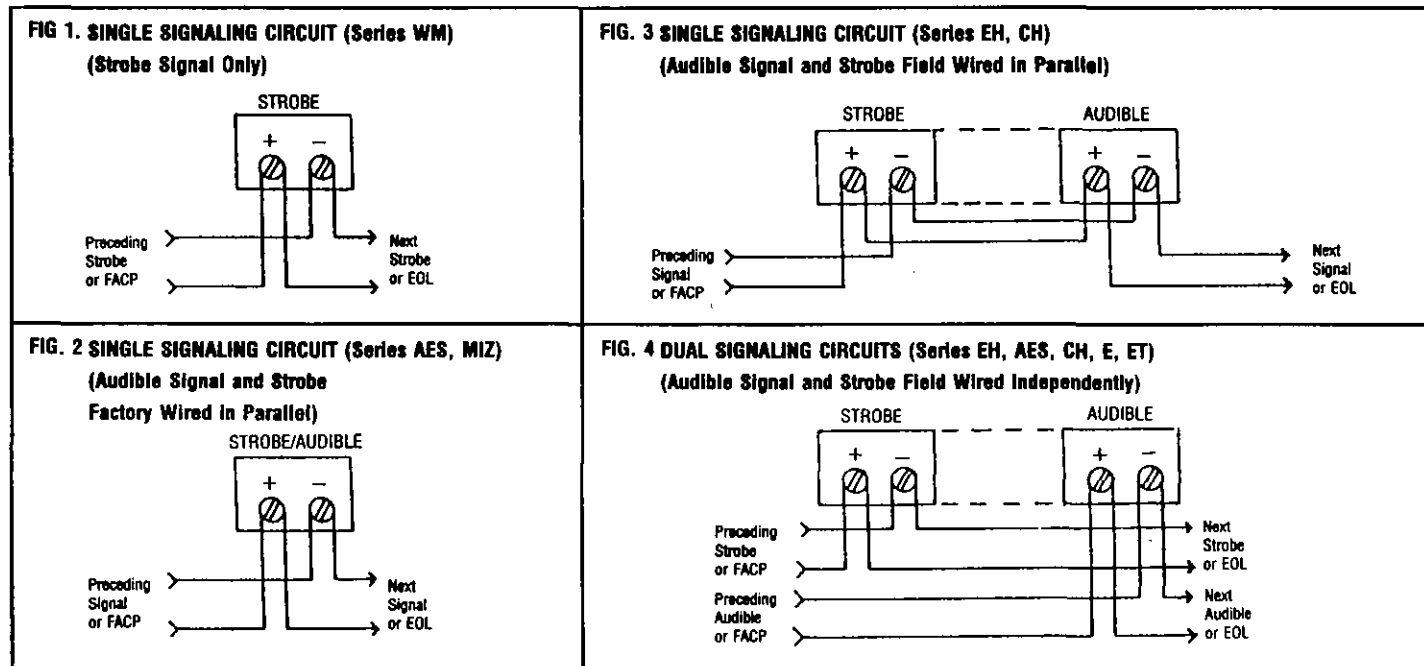
SPEAKERS & CHIMES



MINI-HORNS



Wiring Options



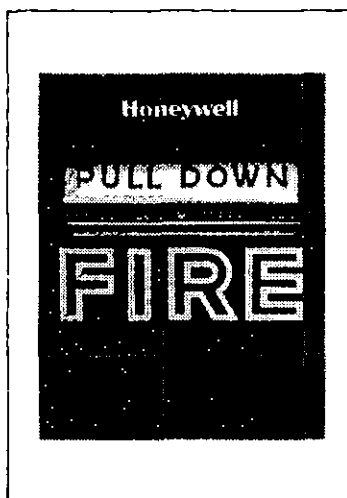
S464A & B, S465A & B Manual Fire Alarm Stations

The Honeywell Manual Fire Alarm Stations feature a wide variety of options designed to provide simple, reliable solutions. Whether it be a pre-signal alarm, key-operated general alarm or a break-glass type alarm, the S464 and S465 family is flexible enough to fit the needs of any fire system application.

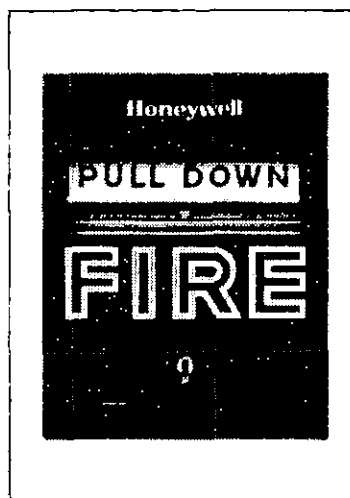
The glass rod option meets all regulations for break-glass type alarms, in addition to providing positive indication of where the alarm was tripped. The original tripping location can also be determined on non-glass rod models, due to their manual reset feature. Some models are equipped with annunciator contacts that identify alarm stations at a remote annunciator panel.

Certain applications require that fire alarms initiate a pre-signal alarm that sounds in selected areas only. Once emergency conditions have been verified, a general alarm can be initiated at a pre-signal station with a key-operated manual switch. This alarm verification option helps to reduce the possibility of nuisance alarms.

Reliability is ensured with corrosion-resistant gold contacts used in initiating circuit operation.



S464



S465

BENEFITS

- **Reliable Operation** — Gold contacts ensure smooth, reliable operation of circuit initiation.
- **Easy Detection of Tripping Location** — Manual reset and break-glass features make it easy to determine location of the original alarm.
- **Verification Option** — A pre-signal alarm allows for verification of emergency conditions before general alarm is initiated.
- **Easy to Install** — Mounts on a standard electrical box for semi-flush applications.

S464A & B, S465A & B Manual Fire Alarm Stations



Specifications

Models —

- ☐ S464A Manual Fire Alarm Station
- ☐ S464A Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S464B Manual Fire Alarm Station with Annunciator Contacts
- ☐ S465A Presignal Manual Fire Alarm Station
- ☐ S465A Presignal Manual Fire Alarm Station (Style C & E Initiating Circuits)
- ☐ S465B Presignal Manual Fire Alarm Station with Annunciator Contacts

Switching Action —

S464A spst, normally open
S464B dpst, normally open
S465A spst (2), normally open
S465B dpst (1) and spst (1), normally open

General Alarm Key —

Two keys supplied

Finish —

Fire-alarm red with white enamel

Mounting —

Surface: Use separately ordered 14503687-001
Surface Mounting Box
Semiflush: Use standard electrical box from
Table 1

Environmental Operating Limits —

Temperature: -30° to 150°F (-34 to 66°C)
Humidity: 0 to 95% rh

Storage Environment —

Temperature: -70° to 150°F (-57° to 66°C)
Humidity: 0 to 95% rh

Wiring —

Field wiring is made to screw-type terminal block or pigtail leads

Approvals —

Underwriters Laboratories (UL) listed
Canadian Standards Association (CSA)
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

Approximate Weight —

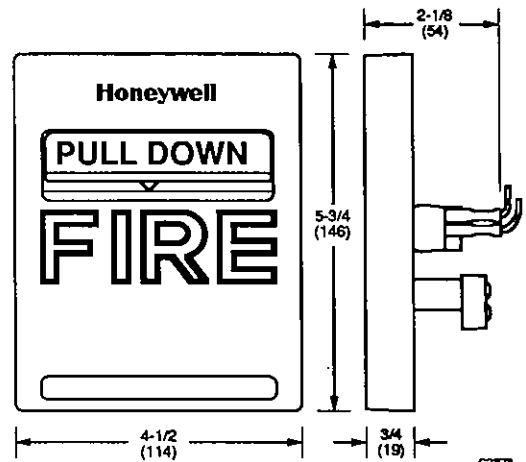
2.5 lb (1 kg)

Accessories —

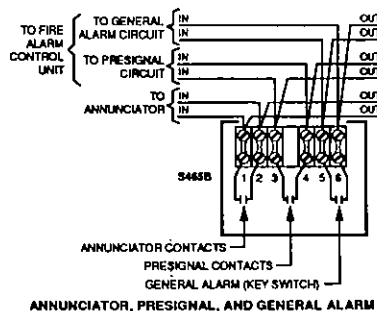
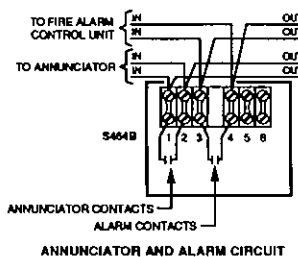
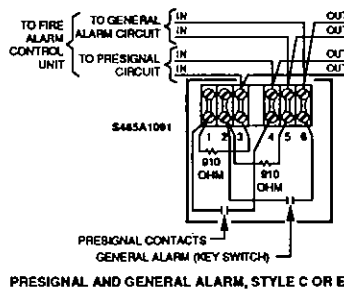
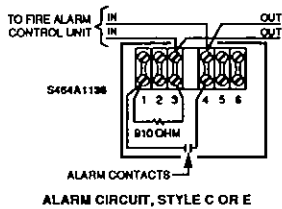
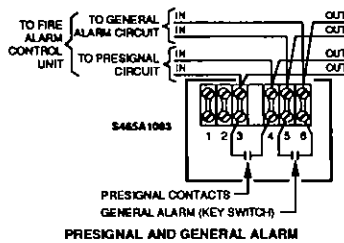
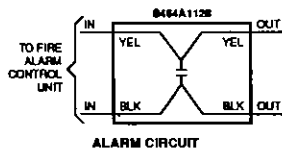
- ☐ 800893 Glass rod (two furnished with device)
- ☐ 316547 Key (two furnished with device)
- ☐ 14504581 Dual Action Accessory, ordered separately

Table 1. Standard Electrical Box Selection

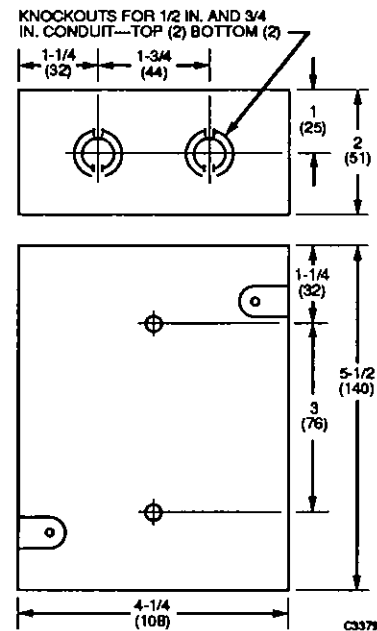
Electrical Box	S464A	S464B	S465A	S465B
Single gang 2-3/4 in. (70 mm) deep	Yes	No	No	No
Double gang 2-3/4 in. (70 mm) deep	Yes	Yes	Yes	No
4 in. (102 mm) sq. or 4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with single or double plaster ring	Yes	Yes	Yes	No
4-11/16 in. (119 mm) sq. 2-1/8 in. (54 mm) deep with double plaster ring	Yes	Yes	Yes	Yes



**S464 and S465
Approximate Dimensions in
Inches (Millimeters).**



S464 and S465 Field Wiring Configurations.



**Surface Box 14503687-001
Approximate Dimensions in Inches
(Millimeters).**



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PROTECTION SERVICES DIVISION

Honeywell Plaza
Minneapolis, Minnesota 55408

In Canada
100 Montcalm Blvd. N.
Candiac, Quebec
J5R 1B7

Providing nationwide U.L. listed central station alarm service

TC804B Photoelectric and TC805B Ionization Duct Smoke Detectors

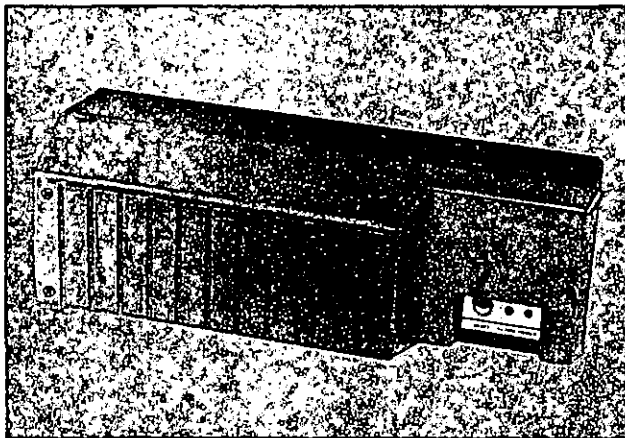
Honeywell's TC804B and TC805B Duct Smoke Detectors are specially designed for operation in areas of high air velocity. Both detectors can handle air velocities from 300 to 3000 (TC805B) or 4000 (TC804B) feet per minute. Additionally, they are easy to install, maintain and service.

The photoelectric- and ionization-type detectors sample the air passing through ducts to provide early detection of developing fire conditions. When smoke is detected in a duct, the fire alarm control panel can initiate events such as damper closing or fan shut-down.

Installation problems are eliminated by the detectors' universal mounting bracket. No additional bracket for either round or rectangular ducts is needed. The accessible detector head mount also facilitates the installation process.

The units' special design simplifies maintenance and service tasks. An integral filter system eliminates tedious piece-by-piece cleaning. When it's time for maintenance, just replace the filter. Easy accessibility to detector heads reduces time spent on servicing the detectors.

NOTE: Duct smoke detectors are not intended as a substitute for open-area protection.



Easy to Install — A universal mounting bracket eliminates the need for additional brackets.

Easy to Service — Accessible detector head cuts down on servicing time.

Easy to Maintain — Integral filter systems do away with piece-by-piece cleaning. A change of filter is all that's needed.

Remote Indicator Option — A remote test station is available for detectors installed in inaccessible locations.

TC804B and TC805B Duct Smoke Detectors



Specifications

Models —

- ☐ TC804B-1003 24VDC Photoelectric
- ☐ TC805B-1002 24VDC Ionization

Operating Voltage —

24VDC models:
20 to 29VDC (24VDC nominal)

Velocity Limits —

TC804B: 300 to 4000 ft./min.
TC805B: 300 to 3000 ft./min.

Environmental Limits —

Temperature: 32 to 120°F (0 to 49°C)
Humidity: 15 to 93% rh, noncondensing

Mounting —

Rectangular or round ducts

Housing —

Molded plastic

Dimensions —

14-1/2 in. (368 mm) wide, 5 in. (127 mm)
high, 7 in. (178 mm) deep

Shipping Weight —

7 lb (3.2 kg)

Power Consumption —

Application		Current Draw at 24VDC (Typical)	
		Alarm	Super- vision
Without AR-10 Auxiliary Relay or RM851DH Remote Test Station		26 mA	100 µA
With AR-10 Auxiliary Relay		145 mA	
With RM851DH Remote Test Station	Remote Switch OFF	27 mA	
	Remote Switch ON	45 mA	
With AR-10 Auxiliary Relay and RM851DH Remote Test Station	Remote Switch OFF	122 mA	
	Remote Switch ON	165 mA	

Additional Equipment Required —

Sampling Tube:

Metal Tube:

- ☐ BRKST851DH-1 (for duct width 1 to 2 ft.
[30 to 61 cm])
- ☐ BRKST851DH-2 (for duct width 2 to 3 ft.
[61 to 91 cm])
- ☐ BRKST851DH-3.5 (for duct width 3 to 5.5 ft.
[91 to 168 cm])
- ☐ BRKST851DH-6.5 (for duct width 5.5 to 8 ft.
[168 to 244 cm])
- ☐ BRKST851DH-10 (for duct width 8 to 10 ft.
[244 to 305 cm])

Accessories —

- ☐ A1358 Replacement Filter
- ☐ A7766900 Remote Alarm Lamp
(approx. 20 mA)
- ☐ A7771602 End-of-Line Supervisory Relay
(24VDC, required for separately-powered
dc system)
- ☐ AR-10 Auxiliary Relay
(one required for each detector used on
separately-powered DC circuit)
- ☐ RM851DH Remote Test Station
- ☐ TM80 Test Meter
(for field voltage and sensitivity checkout)
- ☐ XR-4 Removal Tool
- ☐ XP-4 Extension Pole
(for use with XR-4 Removal Tool)

Approvals —

Underwriters Laboratories (UL) listed
Underwriters Laboratories of Canada (ULC) listed
Factory Mutual (FM) approved
State of California Fire Marshal (CFM) approved

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Providing nationwide U.L. listed central station alarm service

TC804C Photoelectric and TC805C Ionization Smoke Detectors

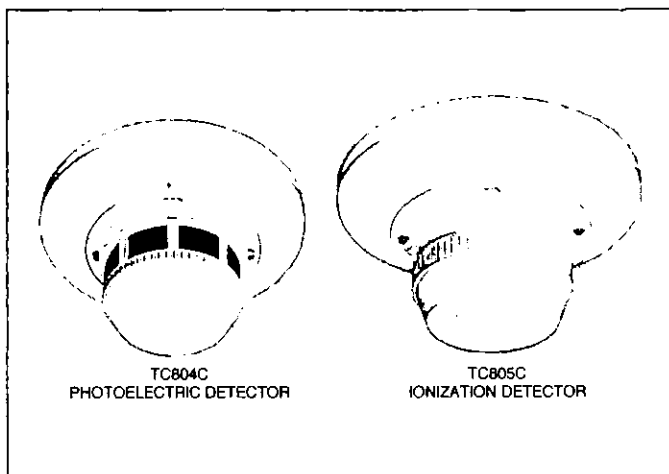
Honeywell's TC804C and TC805C Smoke Detectors are specifically designed to respond to a broad range of fires while offering maximum stability.

The TC804C photoelectric smoke detector contains a unique optical sensing chamber designed to sense the presence of smoke particles produced by a wide range of combustion sources. A custom integrated circuit incorporates signal processing to reduce nuisance alarms.

The TC804C Detector is available with an optional integrated heat detector element. This element activates an alarm signal when the temperature at the detector reaches 135°F (57°C).

The TC805C ionization smoke detector contains a unique dual source, dual unipolar chamber detection design which will sense the presence of smoke particles produced by fast combustion as well as slow smoldering fires. This chamber exhibits increased stability, significantly reduces nuisance alarms and provides better performance at higher air velocities.

Both Detectors are compact and attractive. They are easy to install with convenient terminal strip wiring and a tampered twist-on mounting bracket. The wiring bases are common to both the TC804C and TC805C and can be surface- or electrical box-mounted. The bases include a shorting jumper that provides a convenient method for detection circuit wiring checkout before detectors are installed.



BENEFITS

- **Efficient** — *Because these detectors use low standby current, power requirements are reduced.*
- **Easy To Install** — *Convenient terminal strip wiring makes for simplified installation and servicing.*
- **False Alarm Reduction** — *Engineered for high stability to reduce nuisance alarms.*
- **Attractive** — *Compact and stylish design.*
- **Optimum LED Visibility** — *Dual visual alarm LEDs provide 360° viewing angle.*

TC804C Photoelectric TC805C Ionization Smoke Detectors

Specifications

Models —

- TC804C-1019 Photoelectric Smoke Detector with 135°F (57°C) heat detector
- TC804C-1001 Photoelectric Smoke Detector without heat detector
- TC805C-1000 Ionization Smoke Detector

Environmental Limits —

Temperatures: 32° to 120°F (0° to 49°C)
Humidity: 10 to 93% rh, noncondensing

TC804C Thermal Detector —

135°F (57°C)

Detector Coverage —

Maximum recommended: 900 ft² (83.6 m²)
Physical characteristics of area covered may reduce effective coverage of detector below 900 ft²

Alarm Indication —

Two red LEDs
LEDs blink in standby, turn on in alarm

Nominal Sensitivity —

TC804C: 3.3 percent/foot obscuration
TC805C: 1.5 percent/foot obscuration

Velocity Rating —

TC804C: 2000 ft/min
TC805C: 1500 ft/min

Insect-Resistant Screen —

0.025 in. (0.635 mm) openings

Testing —

TC804C: Test Card (provided) or Test Magnet
TC805C: Test Magnet

Mountings —

Ceiling or wall

Bases mount on electrical boxes as follows:

14506587-001 or -002 Base:

4 in. (102 mm) square, 1-1/2 in. (38 mm) deep electrical box (adapter bar provided)
3 in. (76 mm) or 4 in. (102 mm) octagonal, 1-1/2 in. (38 mm) deep electrical box

Shipping Weights —

Detector: 0.5 lb (277g)

14506587 Bases:

-001, -002: 0.4 lb (180g)

-004: 0.3 lb (136g)

Construction —

Flame-retardant, off-white Noryl plastic

Accessories —

A77-716-02 End-of-Line Supervisory Relay
(used with 14506587-002 Base)

CRT400 Cover Removal Tool

M02-04 Test Magnet

MOD400 Field Sensitivity Test Module (used with test meter for field voltage and sensitivity checkout)

R59-18-00 Test Card

SHPSDG855 Detector Guard

14506510-001 Remote Annunciator

Approvals —

Underwriters Laboratories (UL) listed

Underwriters Laboratories of Canada (ULC) listed

Factory Mutual (FM) approved

State of California Fire Marshal (CFM) approved

Bases Description —

✓	Part No.	Description	Application	Alarm Relay
	14506587-001	Two-wire base with current limiting resistor	Detector is powered from initiating circuit of fire alarm control unit.	N/A
	14506587-002	Two-wire base with current limiting resistor or four-wire base	Detector is powered either from the initiating circuit of a fire alarm control unit or from a separate 24VDC source.	Form A and Form C

Electrical Requirements —

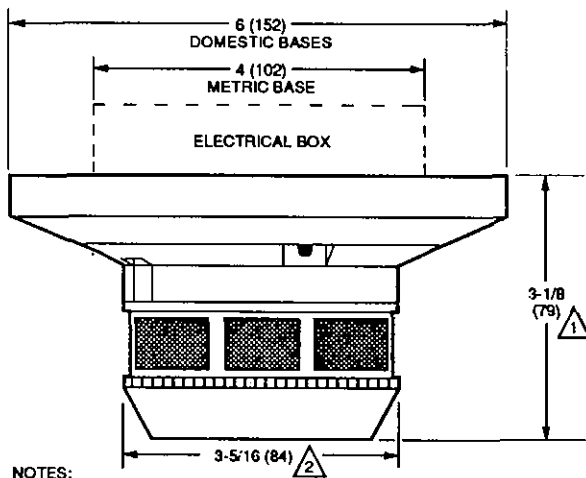
14506587 Base	Current at Nominal Operating Voltage		Nominal Operating Voltage	Voltage Range
	Alarm	Supervisory		
-001	26 mA	120 µA	24VDC	10 to 32VDC 19 to 28.5VDC
-002	36 mA			

Relay Contact Ratings —

Relay located in 14506587-002 Base

Contacts	Voltage	Resistive Rating	Inductive Rating
Form A (one set)	30V ac or dc	2A max.	0.6 pF
Form C (one set)	30V ac or dc	2A max.	0.6 pF
	110V dc	0.6A max.	
	120V ac	1A max.	

Dimensions —



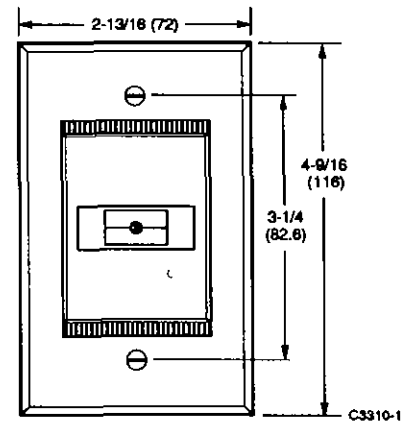
NOTES:

1 DEPTH IS 3-11/32 (85) FOR TC804C WITH HEAT DETECTOR.

2 DIAMETER IS 3-1/8 (79) FOR TC805C.

C3309

TC804C/TC805C Assembly Dimensions in Inches
(Millimeters)

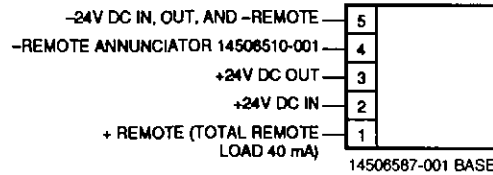


C3310-1

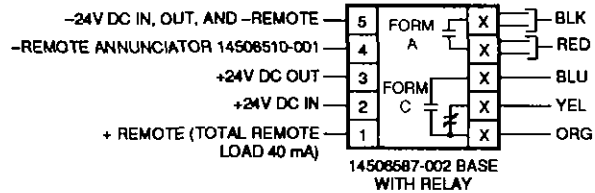
Remote Annunciation Dimensions in Inches
(Millimeters)

Terminal Designations —

FIELD WIRING



FIELD WIRING



X = INTERNAL CONNECTION

C3311

Smoke Detector Base Terminal Designations



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Intelliguard 5800/5900 Security System

The Honeywell Intelliguard "area controlled" security system protects against internal and external theft. With the Intelliguard system, up to eight different areas of a facility can be individually armed and disarmed in order to provide security in one area while other areas are occupied.

Intelliguard areas are designed to match specific business needs and routines. A hallway or vestibule shared by several security areas can be automatically turned on or off to assure easy access to other protected areas. The system can also be programmed to require that a certain critical area be turned on before the entire system is armed.

The flexibility of the Intelliguard system allows the monitoring of several types of protection, such as burglary, fire, sprinkler supervision, hold-up and critical equipment, at the same control and at one affordable price.

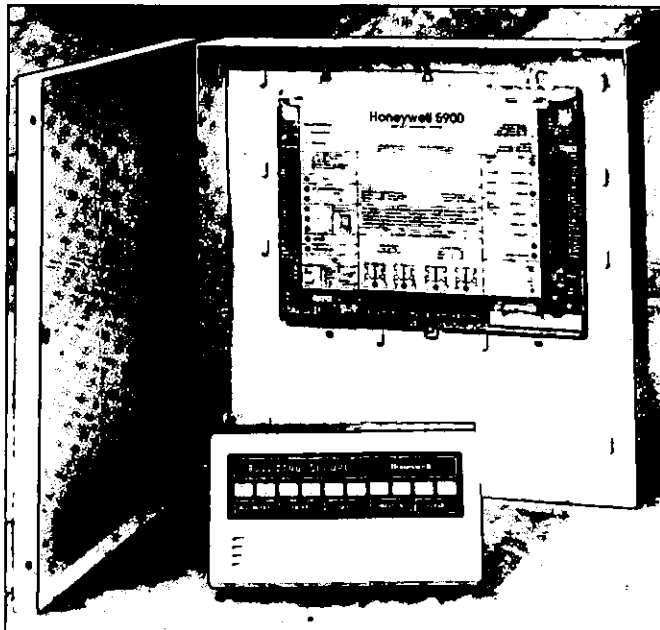
The Intelliguard system can be equipped to pinpoint the exact location of an alarm, ensuring a more accurate response to an emergency. Additionally, repeat false alarms are minimized because the source of the problem is identified and can be fixed the first time.

Honeywell has designed a family of control centers to meet every customer's needs. Control centers are used to display system status, and can perform a variety of system commands, such as arming or disarming all areas at once, arming or disarming one area at a time, and arming or disarming an area's perimeter. The control centers utilize function keys that provide simple, yet flexible, features such as the "ALL ON/OFF" key that makes arming and disarming effortless. The control centers also provide access to a tailored command list, showing users only those commands they might need.

Employees are assigned a user passcode with its own authority level. Passcodes with authority levels provide security against unauthorized use. A passcode must be used to initiate any system command.

An Intelliguard system monitored by Honeywell's Customer Service Center enhances property protection because the fire or police department is quickly dispatched in response to an alarm signal.

Intelliguard has received approvals from various agencies, providing assurance that it meets all industry standards.



5800/5900 Security System

Benefits

- ◆ **Flexible Security** – Area controlled security protects against both external and internal theft by securing some areas while others are occupied.
- ◆ **Adaptability to Building Use** – A shared area may be armed or disarmed to allow access to common areas. The system can also require the arming of critical areas before the main system is armed.
- ◆ **Cost Effectiveness** – Burglary, fire, hold-up, critical equipment monitoring, and other services are monitored from one control at one affordable price.
- ◆ **Ease of Use** – Arming and disarming is simple with the "ALL ON/OFF" key.
- ◆ **Employee Control** – Passcode authority levels control who operates the system and what they do.
- ◆ **Honeywell Monitoring** – The Honeywell Customer Service Center assures reliable and prompt response to alarm conditions.
- ◆ **Approvals** – The Intelliguard System is listed by several approval agencies – your assurance that it meets the highest industry standards.
- ◆ **Tailored Security** – Tailored areas, control centers, command lists, and displays match your system to your building operation.

Intelliguard 5800/5900 Security System

Features

Multiple Protection Services – Functions such as burglary, fire, sprinkler supervision, hold-up, and critical equipment monitoring can be combined into one cost-effective, centrally monitored system.

Area Controlled Security – A business can protect against external and internal theft because up to eight different areas of a facility can be armed and disarmed independently in order to provide security in one area while others are occupied.

Multiple Control Centers – Several control centers can be connected to one control/communicator to allow system operation from several different locations in the facility.

Shared/Master/Associate Areas – An area can be shared by several security areas so it is automatically turned on/off as other areas are occupied. Alternately, an area can be a master area that will arm only after other critical areas are armed.

English Language Display – The optional 540, 541 and 542 Control Centers have a 16-character alphanumeric display that helps guide the user through system operation. Clear English language messages show system status, confirm commands, and give instructions.

LED Display – The optional 550 Control Center has an LED display showing the status of up to eight points (normal, bypassed or alarm memory). Other LED indicators show armed status and AC status to help determine the condition of the system at a glance.

ALL ON/OFF Key – This key provides a simple method to arm and disarm all areas assigned to a passcode.

Tailored Command List – The system provides a customized list of commands, in the order of use, according to user and area.

Individual Points of Protection – The system can be equipped to pinpoint individual doors, windows, fire detectors, or other sensors.

Passcode Access – A personal passcode must be entered each time the system is operated in order to prevent unauthorized use. Up to seventy individual passcodes are available. An event logger automatically stores events to provide an audit trail to track each user.

Authority Levels – One of fifteen authority levels is assigned to each passcode according to area. This limits each user to only those activities allowed by the assigned authority level.

Point Bypass – Designated points of protection can be bypassed before the system is armed in order to permit continued protection for remaining points. Specific points can be given priority status to prevent bypass.

Duress Signaling – Users can inconspicuously advise the Honeywell Customer Service Center of a problem in the event that they are forced to deactivate the system.

Perimeter Arm – Employees who work late can disarm the interior protection while the building's perimeter remains armed. When employees leave, they can conveniently switch from perimeter arm, to complete arm without having to disarm.

Watch Mode – The system can be programmed to automatically sound a short tone when point is violated. This alerts occupants to someone entering or leaving an area when the system is disarmed.

Day Annunciation – Designated protection points can sound a local alarm during business hours to help prevent internal theft through doors in remote parts of a facility.

One Person Walk Test – During the walk test mode, points tested are automatically stored. The 540 Control Center displays a list of points, tested and untested, which allows one person to check the operation of all protection devices. Periodic testing provides assurance that the system is operating properly.

Local Printer – Optional printer(s) provides on-premises recording of system events, including time, date, event, user number, user ID, point number, and explanatory text.

Standby Battery – The system automatically switches over to standby operation in the event of an AC power failure.

High Speed Digital Communicator – The communicator provides low-cost means of signaling the Honeywell Customer Service Center in order to ensure a prompt response to alarm and other system messages.

Specifications

Equipment Dimensions

- D5591H Standard Enclosure: 16.0" x 16.0" x 3.5"
- D8108AH Local/Police Connect Enclosure: 16.0" x 16.0" x 3.5"
- D8109H Red Fire Enclosure: 16.0" x 16.0" x 3.5"
- D8127 (U or T) Point Terminal: 3.2" x 1.5" x 0.9"
- Control Centers: 8.5" x 4.5" x 0.9"

Optional Equipment

- Cellular Backup
- HSL Card (Multiplex Communication Card)

Control Center Models

- 540 Control Center – (16-character display)
- 541 Fire Control Center
- 542 Fire Annunciator
- 550 LED Control Center

Electrical

Input

- Primary: 16.5VAC, 40VA class II plug-in transformer
- Secondary: 12VDC 7AH rechargeable battery

Output

- Continuous: 12VDC, 1.4 amps maximum
- Alarm: 12VDC, 2.0 amps maximum

Environmental

- Operating Specifications: 32-122°F (0-50°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City – MEA

Control Comparisons		
Features	5800	5900
Control Center	8 supervised or 32 unsupervised	8 supervised or 32 unsupervised
Alarm Inputs	48 points	134 points
Relay Outputs	51	131
Event Logger	500	500
Custom Functions	4	14
User Access Windows	0	15
Printers	1	3
Passcodes	25	70

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Helping You Control Your World

Intelliguard Control Centers

The Honeywell Intelliguard Security System offers four control centers to meet every customer's needs. Control centers display system status, and are used to execute a variety of system commands. Each Intelliguard system employs the appropriate control center to provide security most efficiently and effectively. An Intelliguard system may consist of only one type of control center in all areas, or may include a combination of types according to customer security requirements.

Every control center consists of a display and keypad with which system activities are initiated. The display provides the current status of the system and any feedback from the keypad activities. All control centers have built-in audibles that produce distinct warning tones. The warning tones assist the user in determining the Intelliguard system status.

The 540, 541 and 542 Control Centers feature an English language display with custom programmable text. The alphanumeric display walks the user through each command, and shows the exact location of any alarm or system trouble.

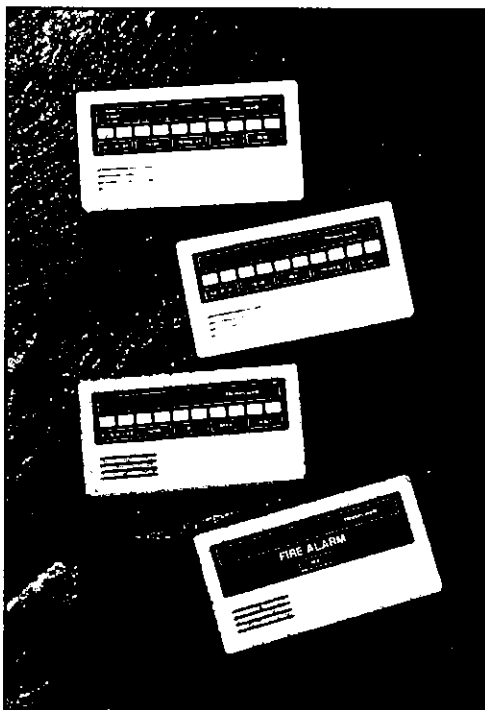
The 540 Control Center provides system annunciation and control over all system operations. It features ten numeric keys (1-0) arranged horizontally with five larger function keys also arranged horizontally below the numeric keys. The function keys are

labeled ALL ON/OFF, ENTER, NEXT, PREVIOUS, and CLEAR. They provide ease-of-use and make day-to-day operation effortless.

The 541 Fire Control Center provides annunciation as well as system control. It works like the 540 Control Center; but has three unique function keys (ACKNOWLEDGE, SILENCE, and RESET) which do not require a passcode to operate. These three fire control function keys let the user control audible alarms and scroll through a list of affected points.

The 542 Fire Annunciator provides system annunciation only. It has no command functions for system operations and requires no operator passcode. The annunciator has one function key (NEXT), which allows the user to scroll through a list of trouble and alarm events.

The 550 LED Control Center provides cost-effective control in areas requiring basic operation. The control center controls only its local area and offers a built-in LED display, a 15 key touchpad, and annunciation for alarm and faulted conditions at each protection point. Perimeter, interior, and AC power are indicated by LED display. The 550 Control Center has five function keys (ALL ON/OFF, ENTER, PERIMETER, WATCH, and RESET).



Intelliguard Control Centers

Benefits

- ◆ **User Friendly Displays** – Custom text provides tailored descriptions.
- ◆ **Ease of Use** – Displays and function keys guide system operation.
- ◆ **Simple Arming and Disarming** – One step function key (ALL ON/OFF) provides total simplicity.
- ◆ **User Control** – Passcode authority levels determine which system operators can perform which system functions.
- ◆ **Efficient & Effective Control** – Four different control centers annunciate, control security, and provide fire protection.

Intelliguard Control Centers

Control Centers

540 CONTROL CENTER

The 540 Control Center is a 4-wire keypad/display unit used with the Intelliguard 5700, 5800, 5900, and 5924 security systems. It features a 10 digit keypad, five function keys, a 16-character English language display, and a built-in speaker that emits several distinct warning tones. The 540 function keys include:

- ALL ON/OFF key arms and disarms all areas for which a user has authority.
- ENTER key brings the user to the first command on the command list.
- NEXT key allows the user to view a list of bypassed and faulted points in a disarmed area. This key also provides navigation through the tailored command list.
- PREVIOUS key permits the user to see the status of all bypassed and faulted points in an area which is disarmed. When viewing the tailored command list, this key shows the user the previously available command.
- CLEAR key silences all trouble and alarm tones for the local control center. This key also allows the user to scroll through a list of trouble and alarms.

541 FIRE CONTROL CENTER

The 541 Fire Control Center provides simple control of fire protection that does not require passcode operation. The 541 function keys include:

- ACKNOWLEDGE key silences the control center sounder (not fire audibles) and releases the display to scroll through alarm events.
- SILENCE key silences any indicating devices (fire horns, burglary bells, etc.), as well as releases the scrolling alarm display.
- RESET key reinitiates all sensors and clears the alarm memory. If this key is pushed before ACKNOWLEDGE or SILENCE, it will act as the SILENCE key.

542 FIRE ANNUNCIATOR

The 542 Fire Annunciator is a remote display for fire alarm events that allows local authorities to easily view fire alarm conditions. The 542 features a display and sounder and is assigned to a specific area. There are no alarm control capabilities with this control center. The words FIRE ALARM are prominently displayed on the keypad. All alarm events from the control center's assigned area are shown.

NEXT key steps through multiple alarm displays.

550 LED CONTROL CENTER

The 550 LED Control Center is an economical control center that provides control over a single area with simple LED annunciation. The 550 is designed for areas with less than nine points of protection and moderate security operations, such as a cash office or stock room. The 550 may be used for a combination of burglary, fire, or other point type monitoring. The display consists of LEDs which indicate armed status, point status, and power. The sounder is a piezo device. The 550 function keys include:

- ALL ON/OFF key arms and disarms only the local area.
- ENTER key silences alarms other than burglary alarms.
- PERIMETER key Perimeter Arms or Disarms the area.
- WATCH key turns the watch mode on and off.
- RESET key reinitiates all sensors and clears the alarm memory for the area.

Specifications

Dimensions

- Control Centers: 8.5" x 4.5" x 0.9"

Voltage Input

- Nominal 12 VDC supplied by the Intelliguard control/communicator

Current Required

540, 541, and 542 Control Centers

- Idle: 104mA
- Maximum: 206 mA, with annunciation and warning tone on.

550 LED Control Center

- Idle: 20mA
- Maximum: 75mA, with annunciation and warning tone on.

Wiring Primary

- Four-wire cable supplies Data In, Data Out, +12VDC, and Common.
- Maximum data loop resistance: 240Ω.

Colors

- Fire Engine Red
- Soft White

Display

540, 541, and 542 Control Centers

- 16-character vacuum fluorescent display
- 14-segment unit characters
- Soft blue color

550 LED Control Center

- 8 point LED display
- 1 power LED
- 1 command LED
- 3 arm status LEDs

Environmental

- Operating Specifications: 32-122° F (0-50° C)
- Relative Humidity: 5 to 85% @ 86°F (30°C)

Approvals

- UL for Central Station, Police Connect and Local Burglary
- UL for NFPA 71 and 72 (Chapters 6 & 8) Fire
- California State Fire Marshal
- New York City – MEA

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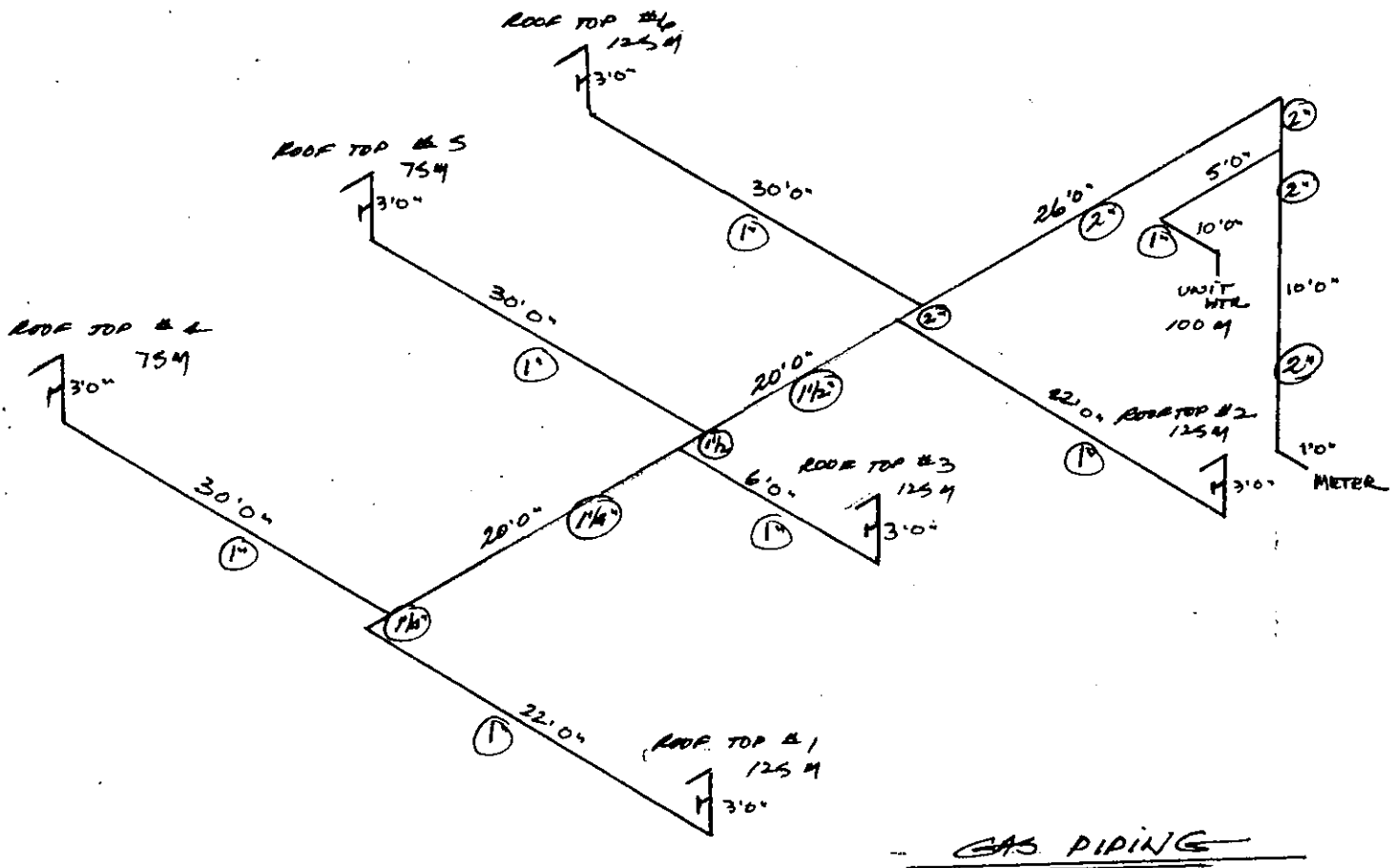
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BLOCK: 670 LOT: 9, 20, 22



TOTAL BTU = 750,000

TOTAL DEVELOPED LEN = 110'0" (UNIT #4)

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