

and shall be ADA/NFPA/ANSI compliant. The strobe segment shall produce a flash rate of one (1) flash per second over the Operating Voltage Range Limits. The strobe shall consist of a xenon flash tube enclosed in a rugged clear polycarbonate lens. The strobe shall be of a low current design, and shall provide a minimum of four (4) field selectable strobe intensity settings, 15/75, 30/75, 75, and 110 candela. All settings shall be UL1971 listed for both wall and ceiling mount applications. The selector switch shall be tamper resistant. It shall not be necessary to remove the appliance from the mounting surface to select the strobe intensity. When strobe synchronization is required, the Strobe shall be compatible with the Faraday 5406 Sync Module, or other source of Faraday Sync Protocol, and shall not drift out of synchronization. Inputs shall be compatible with standard reverse polarity circuit supervision by an FACP.

The appliances shall combine electronics with the rugged durability and maximum penetrating sound power of a mechanical horn. To eliminate the effects of inrush and RFI noise, the appliances shall not have any mechanical contacts.

The Series 6225, 6230, 6234, and 6238 shall have a typical sound output rating of 96dBA at 10 feet. The Series 6245, 6250, 6254, and 6258 shall have a typical sound output rating of 100dBA at 10 feet.

The Series 6230, 6234, 6250, and 6254 shall have a square grille for mounting to a 4" square backbox, as well as Faraday 3046 and 3047 Surface Boxes.

The Series 6225, 6245, 6238 and 6258 shall have a round grille for mounting to a 4" square backbox.

Specifications

Environmental

Indoor: 32°F to 120°F (0°C to 49°C) at 85% RH
 Weatherproof (6230 & 6250 only): -31°F to 150°F (-35°C to 66°C) at 95% RH

Primary Input Voltage

Horn: 21-30 Vdc or VFWR
 Strobe: Operating Voltage Range Limits 16-33 Vdc or VFWR

Horn Current

see ordering information on page 3

Typical dB Rating at 16 Feet

6225, 6230, 6234, 6238: 96 dB
 6245, 6250, 6254, 6258: 100 dB

Note: Typical dB ratings are frontal readings taken with a dB meter with signal mounted on wall.

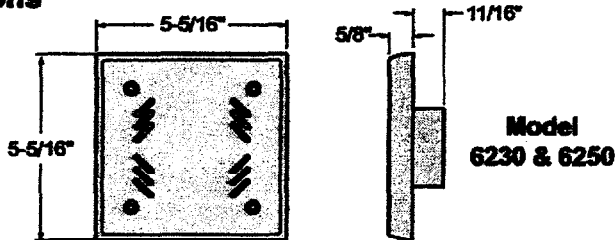
Mounting

Flush Indoor: 4" square box
 Surface Indoor: 3046 or 3047 box
 Weatherproof (6230 & 6250 only): 3014 or 3015 WP box

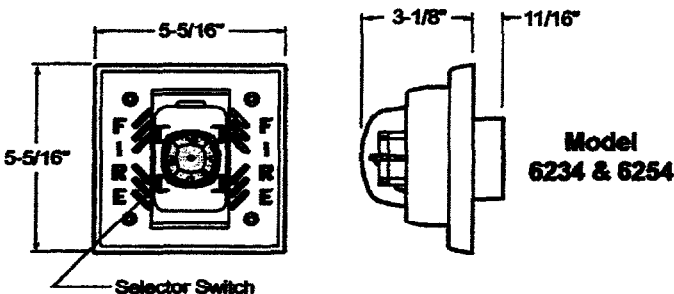
Shipping Weight

Horn: 1-1/2 lbs. approx.
 Horn/Strobe: 2 lbs. approx.

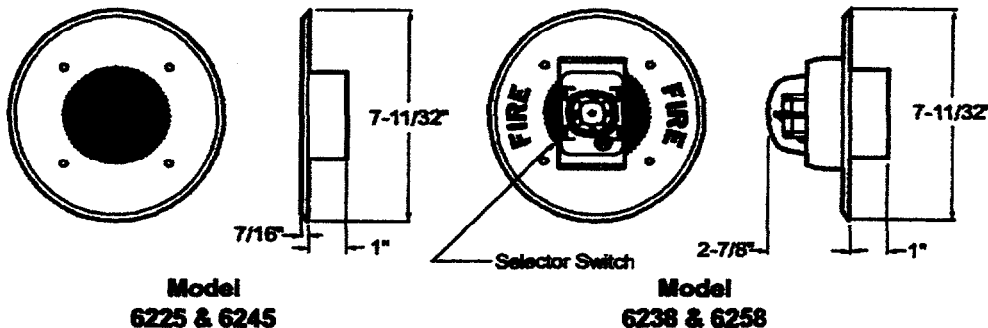
Dimensions



Model 6230 & 6250



Model 6234 & 6254



Model 6225 & 6245

Model 6238 & 6258

Ordering Information

Mechanical Horn & Horn Strobes, 24 Vdc

Part Number	Candela	Strobe Current	Horn Current
6230B-0(*)-24-DC	n/a	n/a	38 mA
6234B-(*)-24	15/75 Cd Strobe	63 mA	38 mA
	30/75 Cd Strobe	84 mA	38 mA
	75 Cd Strobe	143 mA	38 mA
	110 Cd Strobe	178 mA	38 mA

Mechanical Horns & Horn Strobes, 24 Vdc, White (Ceiling Mount)

6225B-0-21-24-DC	n/a	n/a	38 mA
6238B-21-24	15/75 Cd Strobe	63 mA	38 mA
	30/75 Cd Strobe	84 mA	38 mA
	75 Cd Strobe	143 mA	38 mA
	110 Cd Strobe	178 mA	38 mA

* Color: (14) red or (21) off-white

Accessories

Part No.	Description
3014B-0(*)	Weatherproof box 1/2" NPT
3015B-0(*)	Weatherproof box 3/4" NPT
3017B-0(*)	Flush or surface box, 1-9/16" (D)
3046B-0(*)	Surface box, 2" (D)
3047B-0(*)	Surface box, 2-3/4" (D)
3048B	Flush box, 2-3/4" (D)
5406B-0(*)-24-DC	Sync control module
PM-6933	Pendent wall or ceiling housing

Ordering Information

Mechanical Hi dB Horn & Horn Strobes, 24 Vdc

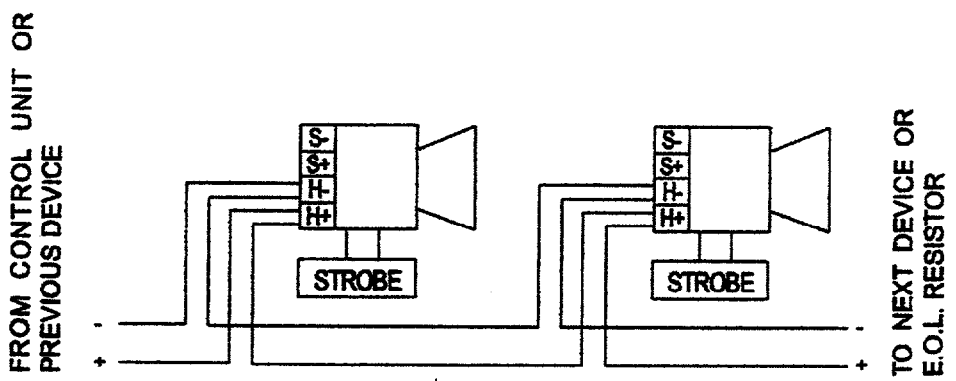
Part Number	Candela	Strobe Current	Horn Current
6250B-0(*)-24-DC	n/a	n/a	65 mA
6254B-(*)-24	15/75 Cd Strobe	63 mA	65 mA
	30/75 Cd Strobe	84 mA	65 mA
	75 Cd Strobe	143 mA	65 mA
	110 Cd Strobe	178 mA	65 mA

DC Mechanical High dB Horns & Horn Strobes, 24 Vdc, White (Ceiling Mount)

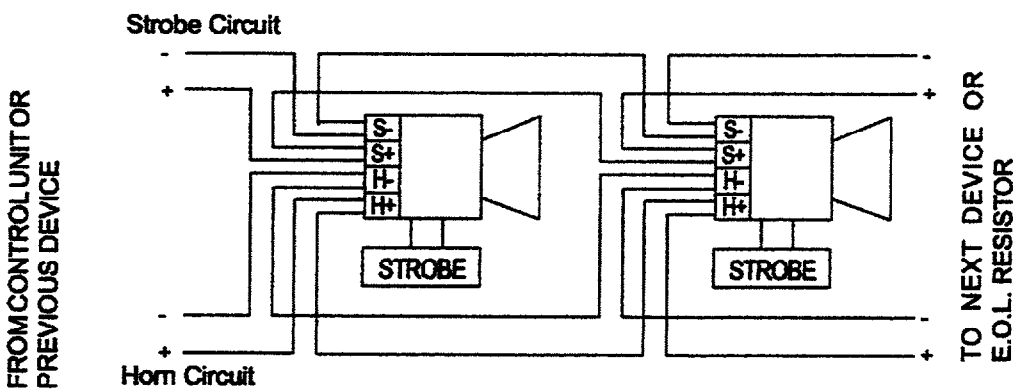
6245B-0-21-24-DC	n/a	n/a	65 mA
6258B-21-24	15/75 Cd Strobe	63 mA	65 mA
	30/75 Cd Strobe	84 mA	65 mA
	75 Cd Strobe, white	143 mA	65 mA
	110 Cd Strobe	178 mA	65 mA

* Color: (14) red or (21) off-white

Wiring



Wiring for 6234, 6238, 6254 & 6258 Horn Strobes where horns and strobes connect to the same circuit.



Wiring for 6234, 6238, 6254 & 6258 Horn Strobes where horns and strobes connect to separate circuits. (Cut Jumpers J1 and J2)

Sync strobes must be connected to a compatible signal circuit with a steady current output and appropriate voltage, with a 5406 Sync Control Module or other source of Faraday Sync Protocol wired electrically before the sync strobes.

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 Specifications subject to change without notice



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Models 2700/2701/2705 Stand-Alone Strobes & Strobe Plate

Features

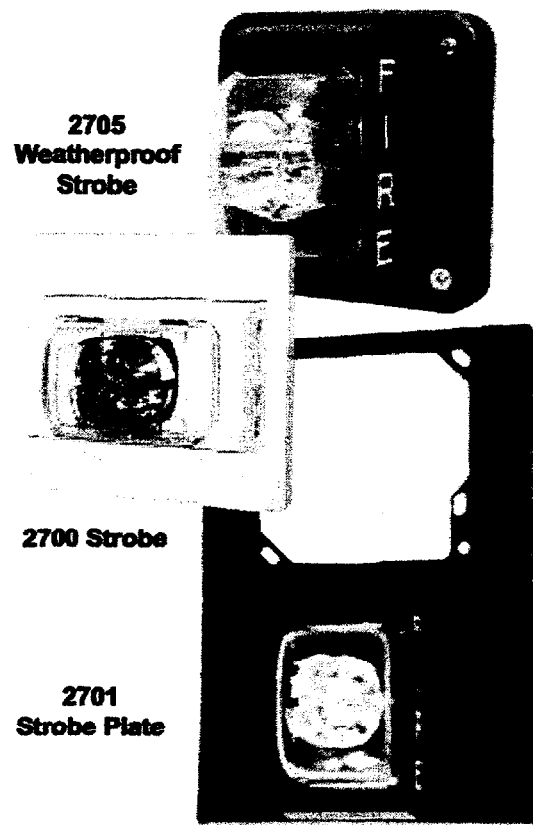
- Same low current draw for DC or FWR
- Units available with 15/75, 30/75, 60/75, 75 or 110 candela strobes
- Weatherproof units available with 68 or 100 candela strobes
- 120 Vac, non-synchronized versions
- 24 Vdc/FWR non-synchronized or synchronized strobes
- Universal mounting plate - single gang, double gang or 4" square box (Model 2700)
- Meets ADA guidelines
- Models 2700 & 2701, UL 1971 listed for both wall and ceiling mount and Model 2705, UL 1638 listed for outdoor applications. CSFM, City of Chicago ULC and MEA approvals, FM pending
- Made in U.S.A.
- Synchronized strobes require 5406 Sync Control Module

Description

The 2700/2701/2705 strobes combine state of the art electronics to provide reliability and low current draw to meet visual life safety applications.

The strobes are constructed of light durable plastic and are available in two colors: red or off-white. The units design provides for easy installation with single gang, double gang or 4" square box mounting. The lens construction provides high candela output with a very low current consumption while meeting UL and ADA standards.

The 2701 units comes with the same strobe choices and is constructed of metal for mounting bell or chime devices to the plate.



The 2705 is used with either the 3014 or 3015 weatherproof back box for weatherproof applications.

The 2700/2701/2705 use a Xenon flashtube with solid state circuitry for maximum reliability and efficiency. Strobes have a rounded dome shape made of clear polycarbonate and "FIRE" letters are visible on the strobe housing. The overall lens is 2.0" x 2-7/8" with a height of 1-3/8".

2700 & 2705 versions use a terminal block which will accept 12 awg wire for easy installation and the 2701 uses a pigtail (4 wire) connection.

Engineering Specifications

Notification device shall be a Faraday Model 2700/2701 listed to standard UL 1971 for indoor hearing impaired applications. Strobe shall be wired as a Primary Signaling Notification Appliance. Strobe shall also comply with the Americans with Disabilities Act (ADA) requirements for visible signaling appliances. 2705 weatherproof strobes shall be UL 1638 listed for outdoor applications. Strobe shall operate on 24 Vdc from a regulated DC supply or full-wave rectified, unfiltered supply. (There shall be no change in current consumption for different power supplies).

The signaling strobe shall be powered from a non-coded power supply when powered with the horn or independently. Visual signaling devices are to be installed per plans and specifications. The strobe light shall consist of a xenon flash tube and associated lens with flash system. 2700 strobes shall be capable of mounting to a 1, 2 Gang or 4" square backbox, 2701 strobes shall be mounted to a 4" square backbox and 2705 strobes mount to a weatherproof 4" square backbox (3014 or 3015 backbox).

2700 Specifications

Environmental

32°F to 120°F (0°C to 49°C) at 85% RH

Input Voltage

20-31 Vdc regulated or FWR and 120 Vac

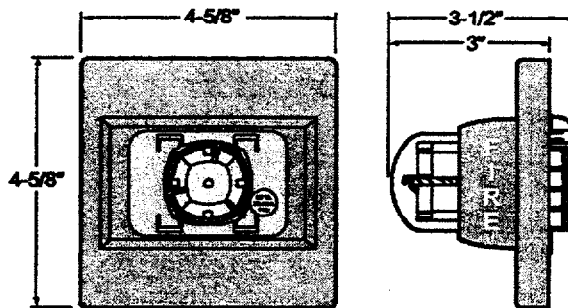
Mounting

Integral universal mounting plate mounts to single gang, double gang or 4" square box. Screw terminals accept 12 awg wire

Shipping Weight

9 oz. approx.

2700 Physical Dimensions



2700 Ordering Information

Stand-Alone Strobes

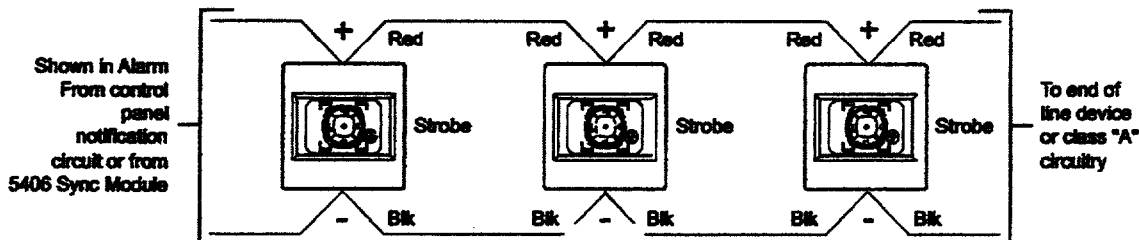
Part No.	Voltage	Candela	Strobe Current
24 Vdc, Synchronized –			
2700B-M(*)-24-DC	20-31 Vdc	M-15/75 cd	59 mA
2700B-R(*)-24-DC	20-31 Vdc	R-30/75 cd	88 mA
2700B-T(*)-24-DC	20-31 Vdc	T-60/75 cd	154 mA
2700B-Y(*)-24-DC	20-31 Vdc	Y-75 cd	170 mA
2700B-Z(*)-24-DC	20-31 Vdc	Z-110 cd	249 mA
24 Vdc, Non-synchronized –			
2700B-E(*)-24-DC	20-31 Vdc	E-15/75 cd	59 mA
2700B-G(*)-24-DC	20-31 Vdc	G-30/75 cd	89 mA
2700B-J(*)-24-DC	20-31 Vdc	J-60/75 cd	155 mA
2700B-K(*)-24-DC	20-31 Vdc	K-75 cd	164 mA
2700B-L(*)-24-DC	20-31 Vdc	L-110 cd	249 mA
120 Vac, Non-synchronized –			
2700B-E(*)-120-60	120 Vac	E-15/75 CD	30 mA
2700B-G(*)-120-60	120 Vac	G-30/75 CD	45 mA
2700B-J(*)-120-60	120 Vac	J-60/75 CD	55 mA
2700B-K(*)-120-60	120 Vac	K-75 CD	60 mA
2700B-L(*)-120-60	120 Vac	L-110 CD	75 mA

Accessories

Part No.	Description
3017B-0(*)	Flush or surface box
PM-6933	BI-directional housing, wall or ceiling, red
3046B-0(*)	1.7 Dia. surface box
3047B-0(*)	2.7" Dia. surface box
3048B	2.7" Dia flush box
10540	Surface or flush clear cover
5406B-0(*)-24-DC	Sync control module

- * Color (14) red (21) off-white.
- For ceiling mount versions, add "A" after candela letter (e.g. 2700B-EA(*)-24-DC).

Typical Wiring



2701 Specifications

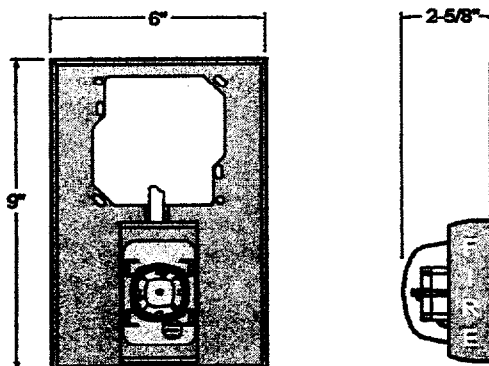
Environmental
 32°F to 120°F (0°C to 49°C) at 85% RH

Input Voltage
 20-31 Vdc regulated or FWR
 and 120 Vac

Mounting
 4" square box. Pigtail connection

Shipping Weight
 1 lb. approx.

2701 Physical Dimensions



2701 Ordering Information

Signal Strobe Plates

Part No.	Voltage*	Candela	Strobe Current
24 Vdc Synchronized -			
2701B-M(*)-24-DC	20-31 Vdc	M-15/75 cd	59 mA
2701B-R(*)-24-DC	20-31 Vdc	R-30/75 cd	88 mA
2701B-T(*)-24-DC	20-31 Vdc	T-60/75 cd	154 mA
2701B-Y(*)-24-DC	20-31 Vdc	Y-75 cd	170 mA
2701B-Z(*)-24-DC	20-31 Vdc	Z-110 cd	249 mA
24 Vdc, Non-synchronized -			
2701B-E(*)-24-DC	20-31 Vdc	E-15/75 cd	59 mA
2701B-G(*)-24-DC	20-31 Vdc	G-30/75 cd	89 mA
2701B-J(*)-24-DC	20-31 Vdc	J-60/75 cd	155 mA
2701B-K(*)-24-DC	20-31 Vdc	K-75 cd	164 mA
2701B-L(*)-24-DC	20-31 Vdc	L-110 cd	249 mA
120 Vac, Non-synchronized -			
2701B-E(*)-120-60	120 Vac	E-15/75 CD	30 mA
2701B-G(*)-120-60	120 Vac	G-30/75 CD	45 mA
2701B-J(*)-120-60	120 Vac	J-60/75 CD	55 mA
2701B-K(*)-120-60	120 Vac	K-75 CD	60 mA
2701B-L(*)-120-60	120 Vac	L-110 CD	75 mA

* Color (14) red & (21) off-white.

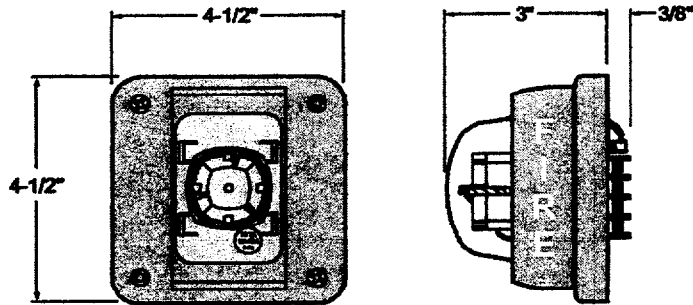
Accessories

Part No.	Description
3017B-0(*)	Indoor Surface box
5406B-0(*)-24-DC	Sync control module

2705 Specifications

- Environmental**
-37°F to 150°F (-35°C to 66°C) with 95% relative humidity max.
- Input Voltage**
20-31 Vdc regulated or FWR and 120 Vac
- Mounting**
Use 3014B or 3015B box for weatherproof use. Screw terminals accept 12 awg wire
- Shipping Weight**
2 lbs. approx.

2705 Physical Dimensions



2705 Ordering Information

Weatherproof Stand-Alone Strobes

Part No.	Voltage	Candela	Strobe Current
24 Vdc, Synchronized –			
2705B-M(*)-24-DC	20-31 Vdc	M-68 cd	59 mA
2705B-Z(*)-24-DC	20-31 Vdc	Z-100 cd	249 mA
24 Vdc, Non-synchronized –			
2705B-E(*)-24-DC	20-31 Vdc	E-68 cd	59 mA
2705B-L(*)-24-DC	20-31 Vdc	L-100 cd	249 mA
120 Vac, Non-synchronized –			
2705B-E(*)-120-60	120 Vac	E-68 CD	30 mA
2705B-L(*)-120-60	120 Vac	L-110 CD	75 mA

Accessories

Part No.	Description
3014B-0(*)	Weatherproof box, 1/2" NPT
3015B-0(*)	Weatherproof box, 3/4" NPT
5406B-0(*)-24-DC	Sync control module

- * Color (14) red (21) off-white.
- For ceiling mount versions, add "A" after candela letter (e.g. 2705B-EA(*)-24-DC).



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Fire Protection Equipment

245 & 246 SERIES



245A and 246A



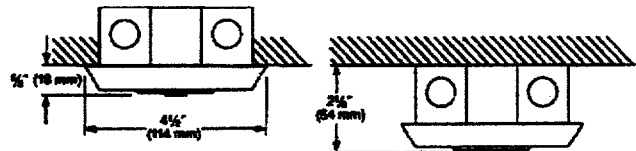
Features

- FIXED TEMPERATURE
- SELF RESTORING
- OPEN CIRCUIT TYPE
- EASY TO INSTALL
- PROTECTS 400 SQ. FT. (37 SQ. METERS)
- ULC LISTED

Description

The 245A and 246A heat detectors operate on a fixed temperature principle and will self-restore as the surrounding temperature returns to normal. The detector's contact rating is 1 amp at 24V/125VAC and 0.5 amp at 24VDC. The finish is matte white.

Installation



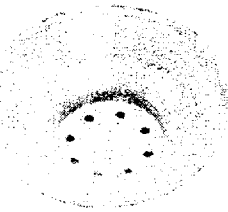
Ordering Information

Cat.No.	Description
245A	Operates at 135°F (57°C)
246A	Operates at 190°F (88°C)

IMPORTANT NOTE:

Independent studies indicate that heat detectors should only be used when property protection alone is involved. In cases where life safety is a factor, smoke detectors are recommended.

280 SERIES



280 Series



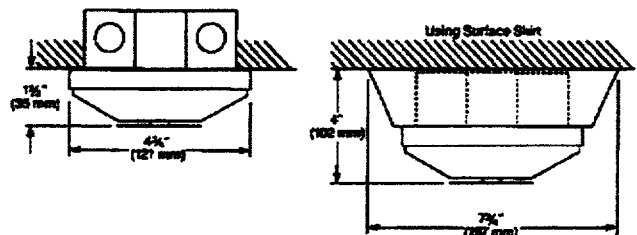
Features

- LOW PROFILE DESIGN
- POSITIVE OPERATING INDICATION
- EASY TO INSTALL
- AVAILABLE IN FIXED TEMPERATURE AND FIXED TEMPERATURE/RATE OF RISE
- OPEN CIRCUIT TYPE
- ULC LISTED

Description

The 280 Series detector operates on a fixed temperature or combination fixed temperature and rate-of-rise principle. When the fixed temperature element is activated, the center disc of the detector will fall free. The detector's contact rating is 3 amps at 125VAC and 1 amp at 28VDC. The finish is matte white.

Installation and Mounting



Order Information

Cat.No.	Description
281C	Rate-of-rise and Fixed Temperature, 135°F (57°C)
282C	Rate-of-rise and Fixed Temperature, 197°F (92°C)
283C	Fixed Temperature, 135°F (57°C)
284C	Fixed Temperature, 197°F (92°C)

IMPORTANT NOTE:

Independent studies indicate that heat detectors should only be used when property protection alone is involved. In cases where life safety is a factor, smoke detectors are recommended.