



# Fire Alarm Notification Devices





# WE PROTECT

## 100+ YEARS

Federal Signal is recognized as one of the industry's leading suppliers of safety and security products since 1901. Today, our team remains committed to the demand for value-added products, incorporating innovative engineering with the intent to offer our customers cost-effective product solutions.

Federal Signal products come with our commitment to exceptional customer service and technical support. Working closely together with customers globally, our customer support team, engineers and technicians provide full range of products to assist with any application.

## CERTIFICATIONS

Our products have been designed to meet or exceed the uncompromising standards of UL, CSA, CSFM, IECEx, and other global certifications. And with our ISO 9001 Certification, Federal Signal demonstrates its on-going commitment to quality. Achieving certification is just the beginning. Federal Signal hazardous location products routinely prove themselves, performing reliably in even the toughest operating environments.



# Fire Signaling Approval Types

## FM Approved Audible Notification Devices

Federal Signal products that are FM Approved are Audible Notification Appliances, such as electrically powered bells and horns, used for automatic fire alarm signaling. These FM Approved products meet the highest property loss prevention product testing and certification standards.

## UL Listed Visual Signal Appliances

Federal Signal products that are UL Listed Visual Signal Appliances have been investigated for fire alarm signaling services to alert hearing-impaired persons. These UL Listed products are intended to be used in the “Public Operating Mode” and can be installed in accordance with NFPA 72 — National Fire Alarm Code.

## UL Listed Audible Signaling Appliances

Federal Signal products that are UL Listed Audible Signaling Appliances have been investigated for fire alarm signaling services. These UL Listed products are intended to be used in the “Public Operating Mode” and can be installed with accordance with NFPA 72 — National Fire Alarm Code.

## UL Listed Speakers

Federal Signal products that are UL Listed Speakers have been investigated for fire alarm signaling services. These UL Listed products are intended to provide emergency voice/alarm occupant notification in accordance with NFPA 72 — National Fire Alarm Code.

## ULC Listed Visual Signal Appliances

Federal Signal products that are ULC Listed Visual Signal Appliances have been investigated for fire alarm signaling. These ULC Listed products are intended to be used in Fire Alarm Systems and can be installed in accordance with CAN/ULC S524 — Standard for Installation of Fire Alarm Systems.

## ULC Listed Audible Signaling Appliances

Federal Signal products that are ULC Listed Audible Signaling Appliances have been investigated for fire alarm signaling. These ULC Listed products are intended to be used in Fire Alarm Systems and can be installed in accordance with CAN/ULC S524 — Standard for Installation of Fire Alarm Systems.

## NEMA Ratings

National Electrical Manufacturers Association

*Type Indicates*

- 1 General Purpose, Indoor — To prevent accidental contact of personnel with the enclosed equipment in areas where unusual service conditions do not exist. Provides protection against falling dirt.
- 2 Drip-Proof, Indoor — Similar to Type 1, but also protects against falling non-corrosive liquids and falling dirt. Drainage provisions provided.
- 3 Dust-Tight, Rain-Tight, Sleet-Resistant, Outdoor — Protected against windblown dust and water.
- 3R Rainproof, Sleet-Resistant, Outdoor — Protected against rain.
- 3S Dust-Tight, Rain-Tight and Sleet-Proof, Outdoor — Protected against wind blown dust and water, remains operable when covered by external ice or sleet. (Not protected against internal icing.)
- 4 Water-Tight and Dust-Tight, Indoor and Outdoor — Protected against wind-blown dust and rain, splashing water, seepage water, falling or hose-directed water, and severe external condensation. Mountings are external to cavity.
- 4X Water-Tight, Dust-Tight, Indoor and Outdoor — Same as Type 4 but also corrosion-resistant. Passes 200-hr. salt spray (fog) test.

## IP Ratings

Ingress Protection













Prefix	First #	— Solids
IP	0	— No Protection
IP	1	— Over 50mm
IP	2	— Over 12mm
IP	3	— Over 2.5mm
IP	4	— Over 1.0mm
IP	5	— Dust, limited ingress from all directions
IP	6	— Total protection against dust

Prefix	Second#	— Water
IP	0	— No Protection
IP	1	— Dripping
IP	2	— Dripping when tilted up to 15°
IP	3	— Spraying when tilted up to 60°
IP	4	— Splashing
IP	5	— Low pressure jets
IP	6	— Strong jets

# RANGE CERTIFICATIONS

Visual Signal

MODEL		TYPE	CERTIFICATIONS						SPECIFICATIONS	
			 UL FIRE LISTED	 ULC FIRE LISTED	CSFM LISTED	NEC LISTING	NEMA RATING	IP RATING	PEAK CANDELA	EFFECTIVE CANDELA
	<b>24XSTHI</b>	STROBE	■			CID1	4X	66	2,000,000	150
	<b>FSEX-HI</b>	STROBE	■		■	CID1	4X	66	2,000,000	150
	<b>154XSTHI</b>	STROBE	■	■		CID2	4X	66	*	170
	<b>224XSTHI</b>	STROBE	■		■	CID2	4X	66	580,000	240
	<b>FB24STHI</b>	STROBE	■	■	■		4X	66	1,000,000	300
	<b>FB24ST</b>	STROBE	■		■		4X	66	1,000,000	300
	<b>FSEX</b>	STROBE			■	CID1	4X	66	2,000,000	850
	<b>27XST</b>	STROBE			■	CID1	4X	66	2,000,000	850
	<b>154XST</b>	STROBE			■	CID2	4X	66	520,000	520
	<b>224XST</b>	STROBE			■	CID2	4X	66	580,000	240

\*Currently in testing. Information to be released when available.

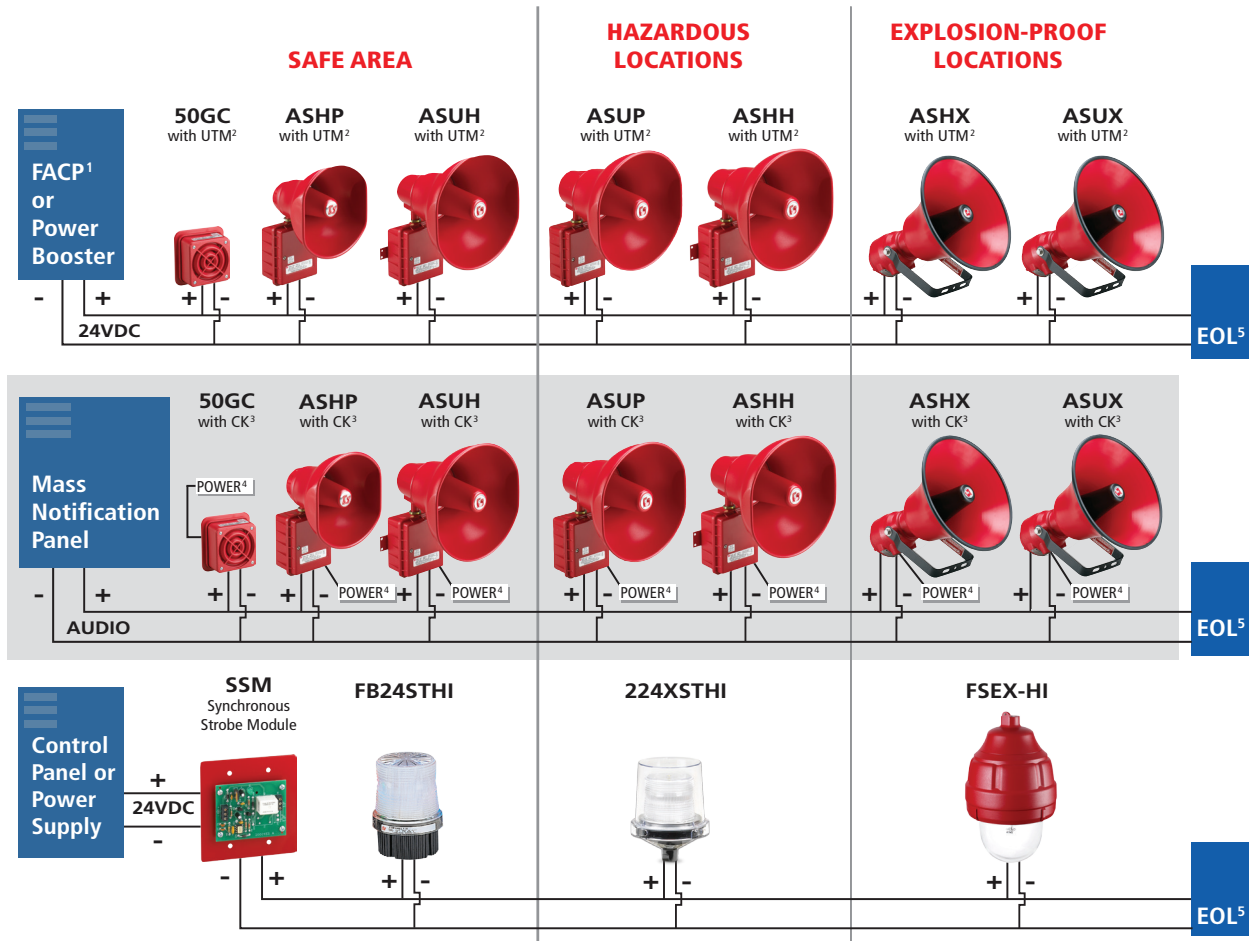
# RANGE CERTIFICATIONS

Audible Signal

MODEL	TYPE	CERTIFICATIONS							SPECIFICATIONS			
		 UL FIRE LISTED	 ULC FIRE LISTED	 FM APPROVED	 CSFM LISTED	NEC LISTING	NEMA RATING	IP RATING	dBa @ 10'	TONE	VOICE	PUBLIC ADDRESS
 304X/314X	AMPLIFIED SPEAKER	■	■		■	CID1	4X	65	91/97	■	■	■
 ASHX/ASUX	AMPLIFIED SPEAKER	■			■	CID1	4X	65	91/97	■	■	■
 AM300X/AM302X	SPEAKER	■			■	CID1	4X	65	99/103			■
 304GCX/314GCX	AMPLIFIED SPEAKER	■	■		■	CID2	4X		95/100	■	■	■
 ASHH/ASUH	AMPLIFIED SPEAKER	■			■	CID2	4X		95/100	■	■	■
 AM300GCX/AM302GCX	SPEAKER	■			■	CID2	4X		110/114			■
 450EWBX	HORN	■	■			CID2	4X		90	■		
 304GC/314GC	AMPLIFIED SPEAKER	■	■		■		3R		95/100	■	■	■
 ASHP/ASUP	AMPLIFIED SPEAKER	■			■		3R		95/100	■	■	■
 AM300/AM302	SPEAKER	■			■		3R		110/114			■
 AM50	SPEAKER	■			■		3R*		87			■
 450E	HORN	■	■		■		4X		90	■		
 FHEX	HORN				■	CID1	4X	66	99	■		
 350	HORN			■			4X*		100	■		
 350WB	HORN			■			4X	65	100	■		
 55/56	HORN			■					115/116	■		
 MODEL A	SIREN			■			3R		103	■		
 VIBRATONE BELLS	BELL			■			3R*		98/102	■		

\*Must use with optional accessory to achieve NEMA rating.

## Typical Application Configurations for Fire Alarm Product



<sup>1</sup> FACP – Fire Alarm Control Panel

<sup>2</sup> UTM – Federal Signal “Universal Tone Module” utilized for on-board tones

<sup>3</sup> CK – Federal Signal “Connector Kit” utilized for centralized distributed audio

<sup>4</sup> Power – Each device requires discrete 24VDC power from either the FACP or a centralized uninterrupted power supply that is in compliance with NFPA72

<sup>5</sup> EOL – End Of Line resistor

All Federal Signal fire alarm devices contain either 4-lead wire or 4-wiring terminals to facilitate loop in/loop out wiring and internal blocking diodes, or capacitors required for proper FACP supervision.

**The FACP or Power Booster configuration** utilizes tones onboard the signaling device and distributed power. The devices are wired in a standard loop in/loop out wiring arrangement connecting each device in parallel. These self amplified speakers utilize an onboard UTM (Universal Tone Module) to generate a preselected tone when power is applied from the FACP (Fire Alarm Control Panel) or Power Booster. An EOL (End of Line Resistor) completes the circuit and allows the FACP to supervise the power line and monitor for breaks in the line. If the circuit is broken the FACP will indicate a break, devices downstream of the break will be rendered inactive.

**The Mass Notification Panel configuration** utilizes centralized distributed audio for tone and voice messaging. The audio signal is wired using a standard loop in/loops out arrangement connecting each device in parallel. Discrete power is required for each device from the FACP or a compliant NFPA72 UPS. An EOL (End of Line Resistor) completes the circuit and allows the FACP to supervise the audio line and monitor for breaks. If the circuit is broken, the FACP will indicate a break and devices downstream of the break will be rendered inactive.

**The Control Panel or Power Supply configuration** utilizes a standard parallel wiring arrangement for visual signaling devices. If the visual signals are within line of sight of each other, a SSM (Strobe Sync Module) is necessary to synchronize the lights in compliance with NFPA72 regulations (consult NFPA regulations for additional details). An EOL (End of Line Resistor) completes the circuit, allowing the FACP to supervise the main power line and monitor for breaks in the line. If the main power circuit is broken, the FACP will indicate a break, devices downstream of the break will be rendered inactive.



## Model MPEX EXPLOSION-PROOF FIRE ALARM PULL STATION

- Unique swing-up front cover exposes a pull-down ring which activates alarm
- Two-step operation prevents accidental activation
- Clearly marked operating instructions on the face of the plate
- Copper-free cast aluminum alloy highly visible red enclosure
- Rated NEMA Type 7 for Groups C & D and NEMA 9 for Groups E, F & G
- UL Listed for Class I, Division 1, Groups C & D; Class II, Division 1, Groups E, F & G; Class III



## Model FB24STHI HEARING IMPAIRED SUPERVISED STROBE LIGHT

- Clear dome
- UL 1971 Listed for hearing impaired applications
- Contains a supervisory diode and 4-wire leads
- In-rush limiting PCB design provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 1,000,000 Peak & 300 Effective Candela
- Integrated 1/2-inch NPT pipe mount and surface mount
- ULC Canadian Fire listed models available (-CN models)
- Type 4X, IP66 enclosure



## Model 224XSTHI HAZARDOUS LOCATION HEARING IMPAIRED STROBE LIGHT

- Clear inner lens with Clear polycarbonate outer dome
- UL 1971 Listed for hearing impaired applications
- Contains a supervisory diode and 4-wire leads
- In-rush limiting PCB design provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 580,000 Peak & 240 Effective Candela
- 1/2-inch NPT pipe mount
- Type 4X, IP66 enclosure
- UL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III



Model 154XSTHI  
**HAZARDOUS LOCATION  
SUPERVISED STROBE LIGHT**

- Contains a supervisory diode and 4-wire leads
- 60 flashes per minute
- 97 effective candela without dome guard  
(29 effective candela with dome guard)
- 3/4" NPT pipe mount
- Type 4X, IP66
- Marine rated
- UL Listed for Class I, Division 2, Groups A, B, C & D;  
Class II, Division 1, Groups E, F & G; Class III
- UL Canadian Fire Listed models available (-CN models)
- UL Fire Listed



Model FSEX-HI  
**EXPLOSION-PROOF  
HEARING IMPAIRED  
STROBE LIGHT**

- Clear glass outer dome with Clear inner lens
- UL 1971 Listed for hearing impaired applications
- Compatible with fire alarm and suppression supervised control panels and power boosters
- In-rush limiting PCB design provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 2,000,000 Peak Candela & 150 Candela per UL1971
- Pendant (PMXC-R-SB), ceiling (CMXC-R-SB) and wall mount (WMXC-R-SB) options (sold separately)
- Dome guard (DGXC-SB) and Strobe Synchronization Module (SSM) accessories available
- Type 4X, IP66 enclosure
- Marine Rated
- UL Listed for Class I, Division 1, Groups C & D;  
Class II, Division 2, Groups A & B; Class II, Division 1,  
Groups E, F & G; Class III



Shown with optional pendant mount. Ceiling and wall mount options available.



## Model 24XSTHI EXPLOSION-PROOF HEARING IMPAIRED STROBE LIGHT

- Clear glass dome
- UL 1971 Listed for hearing impaired applications
- In-rush limiting PCB design that provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 150 Effective Candela & 30 Candela per UL1971
- Pendant (PMXC-R-SB), ceiling (CMXC-R-SB) and wall mount (WMXC-R-SB) options (sold separately)
- Dome guard (DGXC-SB) and Strobe Synchronization Module (SSM) accessories available
- Type 4X, IP66 enclosure
- Suitable for NFPA 72 Public Mode Fire Alarm applications
- Marine Rated
- UL listed for Class I, Division 1 & 2, Groups C & D; Class I, Division 2, Groups A, B; Class II, Division 1, Groups E, F & G; and Class III



Shown with optional pendant mount. Ceiling and wall mount options available.

## Model AM50 PUBLIC ADDRESS SPEAKER

- 2 Watt
- Re-entrant horn design
- Produces 87 dBa @ 10' (97 dBa @ 1m)
- Supplied with wiring terminals and strain relief for inbound and outbound speaker wiring
- Wall mount includes a trim ring for adapting to any standard 4-inch square or weatherproof back box
- Type 3R with WB weatherproof back box



## Model 450E ELECTRONIC HORN

- Produces user supplied coded or sustained tones
- Produces 99 dBa @ 10' (109 dBa @ 1m)
- Four wire terminal block and supervisory diode
- No duty cycle or interval limitations
- Marine Rated
- Type 4X when installed with the Panel Mount Gasket (included) or optional non-metallic Weatherproof Backbox (Model WB-NM)
- UL Fire Listed



## 450EWBX HAZARDOUS LOCATION ELECTRONIC HORN

- Produces user supplied coded or sustained tones
- Produces 99 dBa @ 10' (109 dBa @ 1m)
- Four wire terminal block and supervisory diode
- No duty cycle or interval limitations
- Marine Rated
- Type 4X
- UL and cUL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III
- 450E Horn is UL & ULC Listed for Fire Alarm Use



## Model ASHP/ASUP AMPLIFIED SPEAKER

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model ASHP: Produces 95 dBa @ 10' (105 dBa @ 1m) with internal gain control for sound level adjustment
- Model ASUP: Produces 100 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- Digital signal amplification
- 4-wire supervisable power circuit
- Compatible with fire alarm and suppression supervised control panels and power boosters
- Fused input and output
- Indoor/outdoor use
- Type 3R enclosure



## Model 304GC/314GC AMPLIFIED SPEAKER

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model 304GC: Produces 95 dBa @ 10' (105 dBa @ 1m) with internal gain control for sound level adjustment
- Model 314GC: Produces 100 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- 4-wire supervisable power circuit
- Compatible with fire alarm, voice evacuation, supervised control panels and power boosters
- Fused input and output
- Indoor/outdoor use
- Type 3R enclosure
- ULC Canadian Fire Listed model available (-CN models)



## Model 304GCX/314GCX HAZARDOUS LOCATION AMPLIFIED SPEAKER

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model 304GCX: Produces 95 dBa @ 10' (105 dBa @ 1m) with internal gain control for sound level adjustment
- Model 314GCX: Produces 100 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- 4-wire supervisable power circuit
- Compatible with fire alarm, voice evacuation, suppressed supervision control panels & power boosters
- Fused input and output
- Easily installed with external mounting tabs
- Type 4X enclosure
- ULC Canadian Fire Listed Models available (-CN models)
- UL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III



Model ASHH/ASUH  
**HAZARDOUS LOCATION  
 AMPLIFIED SPEAKER**

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model ASHH: Produces 95 dBa @ 10' (105 dBa @ 1m) with internal gain control for sound level adjustment
- Model ASUH: Produces 100 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- Digital signal amplification
- Fused input and output
- 4-wire supervisable power circuit
- Compatible with fire alarm, voice evacuation, suppressed supervision control panels & power boosters
- Easily installed with external mounting tabs
- Type 4X enclosure
- UL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III



Model AM300/AM302  
**PUBLIC ADDRESS SPEAKER**

- Re-entrant horn design
- Designed for use in a 25 and 70 Vrms distributed system
- Model AM300: 15 watt, Produces 110 dBa @ 10' (120 dBa @ 1m)
- Model AM302: 30 watt, Produces 114 dBa @ 10' (124 dBa @ 1m)
- 60° sound dispersion pattern
- Projector can be rotated 180° in order to obtain the desired sound distribution
- In-line capacitor (included) provides the isolation necessary for use in supervised systems
- Wall mount
- Type 3R enclosure
- UL Fire Listed



## Model AM300GCX/AM302GCX HAZARDOUS LOCATION PUBLIC ADDRESS SPEAKER

- Re-entrant horn design
- Designed for use in a 25 and 70 Vrms distributed system
- Model AM300GCX: 15 watt,  
Produces 110 dBa @ 10' (120 dBa @ 1m)
- Model AM302GCX: 30 watt,  
Produces 114 dBa @ 10' (124 dBa @ 1m)
- 60° sound dispersion pattern
- Can be rotated 180° in order to obtain the desired sound distribution
- Wall mount
- Type 4X enclosure
- UL and cUL Listed for Class I, Division 2, Groups A, B, C & D;  
Class II, Division 2, Groups F & G; Class III
- UL Fire Listed



## Model AM300X/AM302X EXPLOSION-PROOF PUBLIC ADDRESS SPEAKER

- Re-entrant horn design
- Designed for use in a 25 and 70 Vrms distributed system
- Model AM300X: 15 watt, Produces 99 dBa @ 10' (109 dBa @ 1m)
- Model AM302X: 30 watt, Produces 103 dBa @ 10' (114 dBa @ 1m)
- 60 degree sound dispersion pattern
- Projector can be rotated 180 degrees in order to obtain the desired sound distribution
- Heavy-duty U-bracket swivel mount
- Type 4X, IPX65 enclosure
- UL and cUL Listed for Class I, Division 1, Groups B, C & D;  
Class I, Division 2, Group A; Class II, Division 2, Groups F & G; Class III
- UL Fire Listed





## Model ASHX/ASUX EXPLOSION-PROOF AMPLIFIED SPEAKER

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model ASHX: Produces 91 dBa @ 10' (101 dBa @ 1m) with internal gain control for sound level adjustment
- Model ASUX: Produces 97 dBa @ 10' (107 dBa @ 1m) with internal gain control for sound level adjustment
- 4-wire supervisable power circuit
- Compatible with fire alarm, voice evacuation, suppressed supervision control panels & power boosters
- Heavy-duty swivel U-bracket swivel mount
- Type 4X, IP65 enclosure
- UL Listed for Class I, Division 1, Groups B, C & D; Class I, Division 2, Group A; Class II, Division 2, Groups F & G; Class III



## Model 304X/314X EXPLOSION-PROOF SELECTONE AMPLIFIED SPEAKER

- Broadcasts tones generated by a Tone Card installed into the speaker (the plug-in 32-tone UTM) or by a central tone source in a voice evacuation or paging system
- Plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel for live public address or voice messages
- Model 304X: Produces 95 dBa @ 10' (105 dBa @ 1m) with internal gain control for sound level adjustment
- Model 314X: Produces 100 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- Digital signal amplification
- 4-wire supervisable power circuit
- Compatible with fire alarm, voice evacuation, suppressed supervision control panels & power boosters
- Fused input and output
- Adjustable mounting bracket
- Type 4X, IP65 enclosure
- UL Listed for Class I, Division 1, Groups B, C & D





Model FB24ST  
**SUPERVISED STROBE LIGHT**

- Contains a supervisory diode and 4-wire leads
- In-rush limiting PCB design provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 1,000,000 Peak & 300 Effective Candela
- Integrated 1/2" NPT pipe/surface mount
- Type 4X, IP66 enclosure



Model 154XST  
**HAZARDOUS LOCATION SUPERVISED STROBE LIGHT**

- Contains a supervisory diode and 4-wire leads
- 80 flashes per minute
- 520,000 Peak Candela
- Dome guard included
- 3/4" NPT pipe mount or surface mount available
- Type 4X, IP66 enclosure
- Marine Rated
- UL and cUL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups E, F & G; Class III

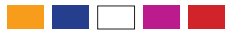


Shown as a surface mount; also available as pipe mount

Model 224XST

**HAZARDOUS LOCATION  
SUPERVISED STROBE LIGHT**

- Clear polycarbonate outer dome
- Contains a supervisory diode and 4-wire leads
- In-rush limiting PCB design that provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 580,000 Peak & 240 Effective Candela
- 1/2" NPT pipe mount
- Type 4X, IP66 enclosure
- UL and cUL Listed for Class I, Division 2, Groups A, B, C & D; Class II, Division 2, Groups F & G; Class III



Model 27XST

**EXPLOSION-PROOF SUPERVISED  
STROBE LIGHT**

- In-rush limiting PCB design that provides greater compatibility with control systems and less electrical interference
- 80 flashes per minute
- 2,000,000 Peak & 850 Effective Candela
- Pendant (PMXC-SB), ceiling (CMXC-SB) and wall mount (WMXC-SB) options (sold separately)
- Dome guard (DGXC-SB) and Strobe Synchronization Module (SSM) accessories available
- Type 4X, IP66 enclosure
- Marine Rated
- UL and cUL Listed for Class I, Division 1, Groups C & D; Class II, Division 2, Groups A & B; Class II, Division 1, Groups E, F & G; Class III



Shown with optional pendant mount. Ceiling and wall mount options available.

## Model FSEX

**EXPLOSION-PROOF STROBE LIGHT**

- In-rush limiting PCB design provides greater compatibility with control systems and less electrical interference
- Compatible with fire alarm and suppression supervised control panels and power boosters
- 80 flashes per minute
- 2,000,000 Peak & 850 Effective Candela
- Pendant (PMXC-R-SB), ceiling (CMXC-R-SB) and wall mount (WMXC-R-SB) options (sold separately)
- Dome guard (DGXC-SB) and Strobe Synchronization Module (SSM) accessories available
- Type 4X, IP66 enclosure
- Marine Rated
- UL and cUL Listed for Class I, Division 1, Groups C & D; Class II, Division 2, Groups A & B; Class II, Division 1, Groups E, F & G; Class III



Shown with optional pendant mount. Ceiling and wall mount options available.

## Model FHEX

**EXPLOSION-PROOF VIBRATING HORN**

- Produces a loud and distinctive tone by the electromechanical vibration of a diaphragm
- Supervisory diode and four wires
- Designed for use in alarm notification systems and is compatible with fire alarm and suppression supervised control panels and power boosters
- Produces 99 dBa @ 10' (110 dBa @ 1m) with internal gain control for sound level adjustment
- Tapped for 3/4" conduit
- Type 4X, IP66 enclosure
- UL and cUL Listed for Class I, Division 1, Groups C & D; Class II, Division 1, Groups E, F & G; Class III



## Model 350

### ELETR-MECHANICAL HORN

- Produces a loud tone by the electro-mechanical vibration of a diaphragm
- User supplied coded or sustained tones
- Produces 100 dBa @ 10' (110 dBa @ 1m)
- Powder-coated zinc die-cast housing
- Available in 12, 24, 120 and 240VAC
- Surface or flush mounting options
- Type 4X when installed with Panel Mount Gasket Kit or Weatherproof Backbox (Model WB); Type 4X and Type 12 when installed with Surface Mount Trim Ring (Model TR)



## Model 350WB

### ELETR-MECHANICAL HORN

- Produces a loud tone by the electro-mechanical vibration of a diaphragm
- User supplied coded or sustained tones
- Produces 100 dBa @ 10' (110 dBa @ 1m)
- Available in 120 and 240VAC
- Wall mount
- Indoor or outdoor use made possible by the water- and dust-tight backbox
- Type 4X, IP65 enclosure



## Models A4, A6, A10, 500, 600, 504WB & 506WB

### VIBRATONE® BELLS

- Vibrating mechanism produces a continuous ringing sound when voltage is applied
- Three gong sizes 4, 6 or 10 inch
- A range of outputs available depending on gong size: 98-102 dBa @ 10' (108-112 dBa @ 1m)
- Model 500 available in 24, 120 and 240VAC
- Model 600 available in 12, 24 and 125VDC
- Optional weatherproof backbox (WB) provides a Type 3R enclosure



## Model 55 & 56 RESONATING HORNS

- Model 55:
  - Available in 24 and 120VAC
  - Produces 105 dBa @ 10' (115 dBa @ 1m)
- Model 56:
  - Available in 24, 125 and 250VDC
  - Produces 106 dBa @ 10' (116 dBa @ 1m)
- Resonated column of air generates sound
- Projectors are designed to match the frequency of the vibrating diaphragm to produce a smooth musical tone
- Corrosion resistant cast aluminum housing and spun brass projector
- Housing tapped for 1/2" conduit
- Indoor or outdoor use



## Model A GENERAL-PURPOSE ELECTRO-MECHANICAL SIREN

- Available with 120VAC/DC universal motor
- Produces 103 dBa @ 10' (113 dBa @ 1m)
- High maximum pitch provides excellent contrast to industrial ambient noise
- Wall or surface mount by means of a swivel mount bracket
- Maintenance free
- Type 3R enclosure



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