FEDERAL SIGNAL

Fire Alarm Notification Devices

FEDERAL SIGNAL

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

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 the hearing-impaired. 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
IP	7	Temporary immersion
IP	8	Prolonged immersion
IP	9K	Close range high pressure and temperature spray down

NEC Ratings For Federal Signal Products
National Electrical Code

CLASS	GROUP	ATMOSPHERE CONTAINING	DIVISION 1	DIVISION 2
I	A	Acetylene		24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, ASUH, 450EWBX, G-STR, G-SND
I	B	Butadiene, Ethylene Oxides, Hydrogen, manufactured gases containing more than 30% Hydrogen (by volume), or Propylene Oxide	304X, 314X, AM300X, AM302X, ASHX, ASUX, FHEX	24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, 450EWBX, G-STR, G-SND
I	C	Acetaldehyde, Cyclopropane, Diethyl Ether, Ethylene or Unsymmetrical Dimethyl Hydrazine (UDMH)	27XST, 24XSTHI, 27XST, 304X, 314X, AM300X, ASHX, ASUX, AM302X, FSEX, FSEX-HI, FHEX, MPEX	24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, ASUH, 450EWBX, G-STR, G-SND
I	D	Acetone, Acrylonitrile, Ammonia, Benzene, Butane Butanol (Butyl Alcohol), Butanol (Secondary Butyl Alcohol), N-Butyl Acetate, Isobutyl Acetate, Ethane, Ethanol (Ethyl Alcohol),E Ethylene Dichloride, Gasoline, Heptanes, Hexanes, Isoprene Methane (Natural Gas), Methanol Ethyl Ketone, Methyl Isobutyl Ketone, Methyl Propanol (Isobutyl Alcohol), Methyl Propanol (Certiary Butyl Alcohol), Petroleum Naphtha, Octanes, Pentanes, Pentanol (Amyl Alcohol), Propane, Propanol (Propyl Alcohol), Propanol (Isopropyl Alcohol), Propylene, Styrene, Toluene, Vinyl Acetate, Vinyl Chloride or Xylenes	24XST, 24XSTHI, 27XST, 304X, 314X, AM300X, ASHX, ASUX, AM302X, FSEX, FSEX-HI, FHEX, MPEX	24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, ASUH, 450EWBX, G-STR, G-SND
II	E	Metal Dust including Aluminum, Magnesium and their commercial alloys, and other metals of similar hazardous characteristics	24XST, 24XSTHI, 151XST, 154XSTHI, 27XST, MPEX, 154XST, FSEX, FSEX-HI, FHEX	
II	F	Carbon Black, Charcoal, Coal or Coke Dust	24XST, 24XSTHI, 151XST, 154XSTHI, 27XST, MPEX, 154XST, FSEX, FSEX-HI, FHEX	24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, ASUH, 450EWBX, G-STR, G-SND
II	G	Flour, Startch, Wood or Grain Dust	24XST, 24XSTHI, 151XST, 154XSTHI, 27XST, MPEX, 154XST, FSEX, FSEX-HI, FHEX	24XST, 24XSTHI, 27XST, FSEX, FSEX-HI, 151XST, 154XST, 154XSTHI, 191XL, 224XST, 224XST-HI, AM15XD2, AM300X, AM302X, 304X, 314X, FHEX, ASHX, ASUX, 304GCX, 314GCX, AM300GCX, AM302GCX, ASHH, ASUH, 450EWBX, G-STR, G-SND
III		All models approved for Class I and II are also approved for use in Class III		

RANGE CERTIFICATIONS
Visual Signal

MODEL	TYPE	UL	ULC	CSFM	NEC LISTING	NEMA RATING	IP 66 RATED	IP 69K RATED	PEAK CANDELA	EFFECTIVE CANDELA
24XSTHI	STROBE	■			CID1	4X	■	■	2,000,000	150
24XSTHI-CN	STROBE		■		CID1	4X	■	■	2,000,000	150
FSEX-HI	STROBE	■		■	CID1	4X	■	■	2,000,000	150
G-STR	STROBE	■			CID2	4X	■	■	380,000	500
154XSTHI	STROBE	■			CID2	4X	■	■	*	170
154XSTHI-024-CN	STROBE		■		CID2	4X	■	■	*	170
224XSTHI	STROBE	■		■	CID2	4X	■	■	580,000	240
FB245THI	STROBE	■		■		4X	■	■	1,000,000	300
FB24STHI-024C-CN	STROBE		■			4X	■	■	1,000,000	300
FIRE SYSTEM COMPATIBLE										
FSEX-HI	STROBE			■	CID1	4X	■	■	2,000,000	850
24XSTHI	STROBE			■	CID1	4X	■	■	*	280
27XST	STROBE			■	CID1	4X	■	■	2,000,000	850
154XST	STROBE			■	CID2	4X	■	■	520,000	165
224XSTHI	STROBE			■	CID2	4X	■	■	580,000	240
FB24ST	STROBE			■		4X	■	■	1,000,000	300

*Currently being tested for Peak Candela measurements. Call technical support for more informaton.

RANGE CERTIFICATIONS
Audible Signal

MODEL	TYPE	UL	ULC	CSFM	NEC LISTING	NEMA RATING	IP RATING	IP 69K RATED	dBa @ 10'	TONE	VOICE	PUBLIC ADDRESS
304X/314X	AMPLIFIED SPEAKER	■		■	CID1	4X	66		95/100	■	■	■
304X-CN/ 314X-CN	AMPLIFIED SPEAKER		■	■	CID1	4X	66		95/100	■	■	■
ASHX/ASUX	AMPLIFIED SPEAKER	■		■	CID1	4X	66		91/97	■	■	■
AM300X/ AM302X	SPEAKER	■		■	CID1	4X	66		99/103			■
304GCX/ 314GCX	AMPLIFIED SPEAKER	■		■	CID2	4X	66	■	95/100	■	■	■
304GCX-CN/ 314GCX-CN	AMPLIFIED SPEAKER		■	■	CID2	4X	66	■	95/100	■	■	■
ASHH/ASUH	AMPLIFIED SPEAKER	■		■	CID2	4X	66	■	95/100	■	■	■
AM300GCX/ AM302GCX	SPEAKER	■		■	CID2	4X	66	■	110/114			■
AM15XD2	SPEAKER	■		■	CID2	4X	66	■	110			■
G-SND	SOUNDER	■			CID2		66		98	■		
450EWBX	HORN	■	■		CID2	4X	66	■	89	■		
304GC/ 314GC	AMPLIFIED SPEAKER	■		■		3R	54		95/100	■	■	■
304GCX-CN/ 314GCX-CN	AMPLIFIED SPEAKER		■	■		3R	54		95/100	■	■	■
ASHP/ASUP	AMPLIFIED SPEAKER	■		■		3R	54		95/100	■	■	■
AM300/ AM302	SPEAKER	■		■		3R	54		110/114			■
AM50	SPEAKER	■		■		3R			87			■
450E	HORN	■	■	■		4X			90	■		
FIRE SYSTEM COMPATIBLE												
FHEX	HORN			■		4X	66		99	■		
MPEX	PULL STATION	■	■	■	CID1	7/9						

*Must use with optional accessory to achieve NEMA rating.

Typical Application Configurations for Fire Alarm Product
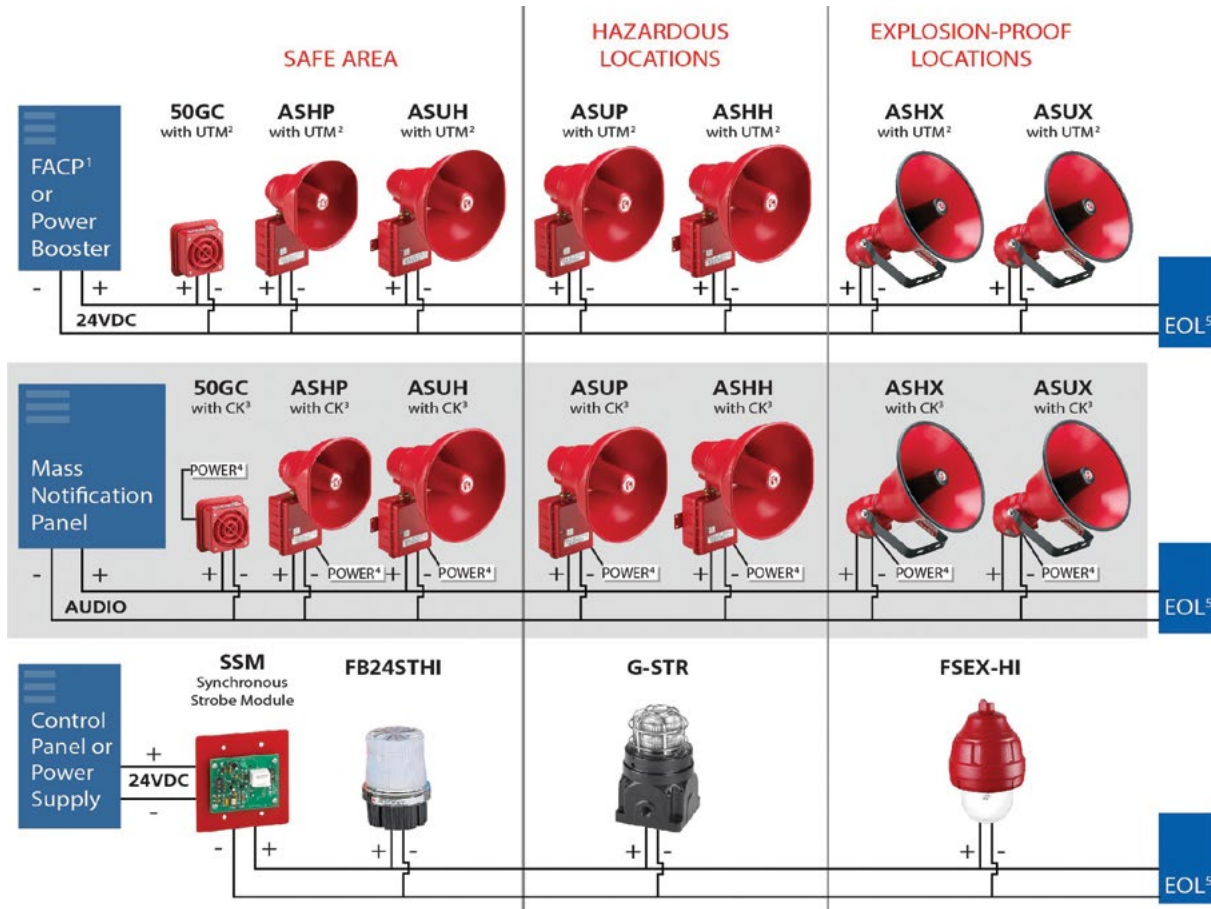
[1]FACP – Fire Alarm Control Panel
[2]UTM – Federal Signal "Universal Tone Module" utilized for on-board tones
[3]CK – Federal Signal "Connector Kit" utilized for centralized distributed audio
[4]Power – Each device requires discrete 24VDC power from either the FACP or a centralized uninterrupted power supply that is in compliance with NFPA72
[5]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 and 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/loop 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.

Models 24XSTHI-MOD and 24XSTHI-CN
EXPLOSION-PROOF HEARING IMPAIRED

STROBE LIGHT
- Available in 24VDC regulated
- 80 flashes per minute
- 3/4" NPT pendant, ceiling and wall mount options available
- Dome guard optional
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- UL and cUL Listed for Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III
- 24XSTHI-MOD is UL Fire Listed
- 24XSTHI-CN is ULC Fire Listed

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

Model FSEX-HI
EXPLOSION-PROOF HEARING IMPAIRED

STROBE LIGHT
- Approved mounting in any manner - including dome up
- Synchronize with SSM module
- Current limited
- 10,000 hour strobe tube
- 3/4" NPT pendant, celining and wall mount options available
- Dome guard optional
- Confirmal coated PCB
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- CSFM Approved
- UL Listed for Class I, Division 1, Groups C and D; Class I Division 2, Groups A, B, C and D, Class II, Division 1, Groups E, F and G; Class III
- UL Fire Listed

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

Model G-STR
GLOBAL SERIES® HAZARDOUS LOCATION STROBE LIGHT

• Available in 24VDC, 120VAC and 220-240VAC 50/60Hz
• Optional 316 stainless steel ratchet adjustable mounting U-bracket (field installation required)
• Non-metallic corrosion-resistant design
• 24VDC models contain supervisory diode and four wire terminal block
• For use in alarm control panel applications
• Dome guard included
• M20 entries standard
• Optional indicator rings are avialable in six colors: Black, Blue, Green, Magenta, Red and Yellow
• Field customizable legend plates available
• Type 4X, IP66 enclosure
• IP69K compliant
• Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIIC
• UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
• Ul and cUL Listed for Class 1, Zone 1 AEx db IIC T3: Zone 21, AEx tb IIIC T200°C, excludes increase safety versions (Ex de)
• UL Fire Listed (24VDC, Clear 21J Strobe and Sounder only)

Models 154XSTHI and 154XST-024C-CN
HAZARDOUS LOCATION SUPERVISED STROBE LIGHT

• Available in 24VDC
• Four wires and supervisory diode
• Five dome colors: Amber, Blue, Clear, Green and Red
• 10,000-hour high-intensity strobe
• 80 flashes per minute
• 520,000 peak candela (165 effective)
• 3/4-inch NPT pipe mount or surface mount options
• Dome guard included
• Conformal coated PCB
• Indoor/outdoor use
• Type 4X, IP66 enclosure
• IP69K compliant
• Marine Rated
• CSFM Approved
• UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III

Model 224XSTHI
ELECTRARAY® HAZARDOUS LOCATION SUPERVISED
HEARING IMPAIRED STROBE LIGHT

• 24VDC
• Four wires and supervisory diode
• Voltage in-rush limiting PCBA
• Clear dome
• 10,000 hour, high-intensity strobe tube
• 1/2-inch NPT pipe mount
• 580,000 peak candela (240 effective)
• 80 flashes per minute
• Conformal coated PCB
• Type 4X, IP66 enclosure
• IP69K compliant
• CSFM Approved
• UL and cUL Listed for Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; Class III
• UL Fire Listed

Models FB24STHI and FB24STHI-024C-CN
FIREBALL® SUPERVISED HEARING IMPAIRED STROBE LIGHT

• Available in 24VDC
• Four wires and supervisory diode
• Clear dome
• Easy twist off dome for re-lamping
• Integrated 1/2-inch NPT pipe and surface mount
• 10,000 hour strobe tube
• Black epoxy coating for superior corrosion resistance
• In-rush protected
• Conformal coated PCB
• Type 4X, IP66 enclosure
• IP69K compliant
• CSFM Approved
• FB24STHI-024C is UL Fire Listed
• FB24STHI-024C-CN is ULC Canadian Fire Listed

Models 304X/314X and 304X-CN/314X-CN

SELECTONE® EXPLOSION-PROOF SELECTONE AMPLIFIED SPEAKERS

• Available in 24VDC
• Four wire supervisable power circuit
• Capable of producing tones or voice messages
• Built-in gain control
• Fused input and output
• Cast aluminum housing, spun aluminum projector
• External mounting tabs
• Indoor/outdoor use
• Type 4X enclosure
• CSFM Approved
• UL and cUL Listed for Class I, Division 1, Groups B, C and D; Class I,
  Division 2, Group A, B, C and D; Class II, Division 2, Groups F and G; Class III
• 304X/314X UL Fire Listed
• 304X-CN/314X-CN ULC Fire Listed

Models ASHX/ASUX

EXPLOSION-PROOF AMPLIFIED SPEAKERS

• 15 watt (ASHX) or 30 watt (ASUX)
• 24VDC
• Built-in gain control
• Four wire supervisable power circuit
• Swivel mount bracket
• Type 4X, IP66 enclosure
• CSFM Approved
• UL and cUL listed for Class I, Division 1, Groups B, C and D; Class I,
  Division 2, Group A, B, C, and D; Class II, Division 2, Groups F and G; Class III
• ASHX and ASUX UL Fire Listed

Models AM300X/AM302X

AUDIOMASTER® EXPLOSION-PROOF PUBLIC ADDRESS SPEAKERS

• 15 watt (AM300X) or 30 watt (AM302X)
• 25 or 70 Vrms
• Transformer coupled
• Re-entrant horn design
• Heavy-duty U-bracket swivel mount
• Type 4X, IP65 enclosure
• CSFM Approved for Model AM300X only
• UL and cUL Listed for Class I, Division 1, Groups B, C and D; Class I,
  Division 2, Group A, B, C, and D; Class II, Division 2, Groups F and G;
  Class III
• UL Fire Listed

Models 304GCX/314GCX and 304GCX-CN/314GCX-CN

SELECTONE® HAZARDOUS LOCATION AMPLIFIED SPEAKERS

- Available in 24VDC
- Four wire supervisable power circuit
- Capable of producing tones or voice messages
- Built in gain control
- Digital signal amplification
- Fused input and output
- Cast aluminum housing, spun aluminum projector
- External mounting tabs
- Indoor/outdoor use
- Type 4X, IP66 enclosure
- IP69K compliant
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- CSFM Approved
- 304GCX/314GCX is UL Fire Listed
- 304GCX-CN/314GCX-CN is ULC Fire Listed

Models ASHH/ASUH

HAZARDOUS LOCATION AMPLIFIED SPEAKERS

- 15 watt (ASHH) or 30 watt (ASUH)
- 24VDC
- Four wire supervisable power circuit
- Reliable, solid-state circuitry
- Digital signal amplification
- Fused input and output
- Built-in gain control
- External mounting tabs
- Type 4X, IP66 enclosure
- IP69K compliant
- CSFM Approved
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- UL Fire Listed

Models AM300GCX/AM302GCX

AUDIOMASTER® HAZARDOUS LOCATION PUBLIC ADDRESS SPEAKERS

- 15 watt (AM300GCX) or 30 watt (AM302GCX)
- 25 or 70 Vrms
- Transformer coupled
- Re-entrant horn design
- Wall mount
- 1/2-inch conduit openings
- Type 4X, IP66 enclosure
- IP69K compliant
- CSFM Approved
- UL and cUL Listed for Class I, Division 2, Groups A, B, C, and D;
  Class II, Division 2, Groups F and G; Class III
- UL Fire Listed

Models AM15XD2

AUDIOMASTER® HAZARDOUS LOCATION 8 OHM

PUBLIC ADDRESS SPEAKER

- 8 Ohm
- 15 watt
- Re-entrant horn design
- Wall mount
- 1/2-inch conduit openings
- Type 4X, IP66 enclosure
- IP69K compliant
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D;
  Class II, Division 2, Groups F and G; Class III

Model G-SND

GLOBAL SERIES® HAZARDOUS LOCATION SOUNDER

• Supports 3 operational voltages: 24VDC, 120VAC 50/60Hz, and 230VAC 50/60Hz
• Optional 316 stainless steel ratchet adjustable mounting U-bracket (field installation required)
• Gain control
• 100 dB @ 10' (110 dB @ 1M)
• Non-metallic corrosion resistant design
• 15 watt design
• Field customizable legend plates available2
• Optional indicator rings are available in six colors: Black, Blue, Green, Magenta, Red and Yellow
• Two M20 entries standard on Ex d models, three M20 entries standard on Ex de models
• Type 4X, IP66 enclosure
• Zone 1, 21 Rated, IECEx, ATEX, Ex d IIC, Ex de IIC and Ex tb IIIC
• UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
• UL and cUL Listed for Class I, Zone 1 AEx db IIC T4: Zone 21, AEx tb IIIC T4/135°C, excludes increase safety versions (Ex de)
• UL Fire Listed (24VDC operating voltage ONLY)

Model 450EWBX

VIBRATONE® HAZARDOUS LOCATION ELECTRONIC HORN

• No duty cycle
• Four wire terminal block and supervisory diode
• No detectable RF emissions in a 30-1000 MHz frequency range
• Type 4X enclosure
• IP69K compliant
• Marine Rated
• UL and cUL Listed for Class I, Division 2, Groups A, B, C, and D; Class II, Division 2, Groups F and G; Class III
• 450E horn is UL and ULC Canadian Listed for Fire Alarm use

Models 304GC/314GC and 304GC-CN/314GC-CN

SELECTONE® AMPLIFIED SPEAKERS

- Available in 24VDC
- Four wire supervisable power circuit
- Capable of producing tones or voice messages
- Built in gain control
- Digital signal amplification
- Fused input and output
- Cast aluminum housing, spun aluminum projector
- External mounting tabs
- Indoor/outdoor use
- Type 4X, IP66 enclosure
- IP69K compliant
- CSFM Approved
- UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; Class III
- 304GCX/314GCX are UL Fire Listed
- 304GCX-CN/314GCX-CN are ULC Fire Listed

Models ASHP/ASUP

AMPLIFIED SPEAKERS

- 15 watt (ASHP) or 30 watt (ASUP)
- 24VDC
- Built-in gain control
- Four wire supervisable power circuit
- Digital signal amplification
- Fused input and output
- Easily installed on any flat surface
- Indoor/outdoor use
- Type 3R enclosure
- CSFM Approved
- UL Fire Listed

Models AM300/AM302

AUDIOMASTER® PUBLIC ADDRESS SPEAKERS

- 15 watt (AM300) or 30 watt (AM302)
- Transformer coupled
- 25 or 70 Vrms
- Re-entrant horn design
- Wall mount
- Indoor/outdoor use
- Type 3R, IP54 enclosure
- CSFM Approved for Model AM300 only
- UL Fire Listed

Model AM50

AUDIOMASTER® PUBLIC ADDRESS 2 WATT RE-ENTRANT SPEAKER

• 25 or 70 Vrms
• Transformer coupled
• Several mounting options
• Pre-assembled
• Indoor/outdoor use
• Type 3R with WB weatherproof back box
• CSFM Approved
• UL Fire Listed

Model 450E

VIBRATONE® ELECTRONIC HORN

• Fire Regulated 16-33VDC General Purpose Signal 12-24VDC
• Coded or sustained tones
• No duty cycle or interval limitations
• 99 dBa @ 10' on axis (109 dBa @ 1m on axis)
• Four wire terminal block and supervisory diode
• Type 4X when installed with Panel Mount Gasket (included) or op-
  tional Non-metallic Weatherproof Backbox (Model WB-NM)
• Marine Rated
• CSFM Approved
• UL and cUL Listed
• UL Fire Listed
• ULC Fire Listed

Model FSEX

EXPLOSION-PROOF STROBE LIGHT

- Approved for mounting in any manner– including dome up
- Synchronize with SSM module
- Four lens colors: Amber, Blue, Clear and Red
- 10,000 hour strobe tube
- 3/4" NPT pendant, ceiling and wall mount options available
- Dome guard optional
- Conformal coated PCB
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- CSFM Approved
- UL and cUL listed for Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C and D; Class II, Groups E, F and G; Class III

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

Model 24XST

EXPLOSION-PROOF SUPERVISED STROBE LIGHT

- Approved for mounting in any manner– including dome up
- Available in 24VDC
- Six lens colors: Amber, Blue, Clear, Green, Magenta and Red
- 10,000 hour strobe tube
- 3/4" NPT pendant, ceiling and wall mount options available
- Dome guard optional
- Conformal coated PCB
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- CSFM Approved
- UL and cUL Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III

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

Model 27XST-024*-4-MOD

EXPLOSION-PROOF SUPERVISED STROBE LIGHT

- Approved for mounting in any manner - including dome up
- Available in 24VDC
- Six lens colors: Amber, Blue, Clear, Green, Magenta and Red
- 10,000 hour strobe tube
- 3/4" NPT pendant, ceiling and wall mount options available
- Dome guard optional
- Conformal coated PCB
- Type 4X, IP66 enclosure
- IP69K compliant
- Marine Rated
- CSFM Approved
- UL and cUL Listed for Class I, Division 1, Groups C and D; Class I, Division 2, Groups A, B, C, and D; Class II, Division 1, Groups E, F, and G; Class III

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

Model 154XST

HAZARDOUS LOCATION SUPERVISED STROBE LIGHT

• Available in 24VDC
• Four wires and supervisory diode
• Five dome colors: Amber, Blue, Clear, Green and Red
• 10,000-hour high-intensity strobe
• 80 flashes per minute
• 520,000 peak candela (165 effective)
• 3/4-inch NPT pipe mount or surface mount options
• Dome guard included
• Conformal coated PCB
• Indoor/outdoor use
• Type 4X, IP66 enclosure
• IP69K compliant
• Marine Rated
• CSFM Approved
• UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; Class III

Shown as a surface mount; also available as pipe mount

Model 224XST
ELECTRARAY® SUPERVISED HAZARDOUS LOCATION STROBE LIGHT

• 24VDC
• Four wires and supervisory diode
• Integrated in-rush limiting circuit
• Five lens colors: Amber, Blue, Clear, Magenta and Red
• 10,000 hour, high-intensity strobe tube
• 1/2-inch NPT pipe mount
• Aluminum base with black polyurethane coating for superior corrosion resistance
• Conformal coated PCB
• Type 4X, IP66 enclosure
• IP69K compliant
• CSFM Approved
• CSA Certified
• UL and cUL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; and Class III

Model FB24ST

FIREBALL® SUPERVISED STROBE LIGHT

• Available in 24VDC
• Four wires and supervisory diode
• Five dome colors: Amber, Blue, Clear, Green and Red
• Easy twist off dome for re-lamping
• 10,000 hour strobe tube
• Integrated 1/2-inch NPT pipe and surface mount
• Black epoxy coating for superior corrosion resistance
• 1,000,000 peak candela (300 effective)
• Conformal coated PCB
• Type 4X, IP66 enclosure
• IP69K compliant
• CSFM Approved
• UL and cUL Listed

Model FHEX

EXPLOSION-PROOF VIBRATING HORN

• 24VDC
• Produces 99 dBa @ 10' (109 dBa @ 1m)
• Supervisory diode and four wires
• Cast aluminum housings
• Duty cycle 5 minutes on – 5 minutes off
• CSFM Approved
• UL and cUL Listed for Class I, Division 1, Groups C and D;
  Class II, Division 1, Groups E, F, and G; Class III

Model MPEX
EXPLOSION-PROOF FIRE ALARM PULL STATION

• Contacts on the unit are rated 120VAC, 60Hz at 6 amps
  continuous
• Highly visible red enclosure
• Lift cover and pull down ring to activate
• 2 - 3/4" conduit entry
• CSFM Approved
• UL and cUL Listed for Class I, Division 1, Groups C and D; Class
  II, Division 1, Groups E, F and G ; Class III
• NEMA 7 for Groups C and D and NEMA 9 for Groups E, F
  and G
• UL Fire Listed
• ULC Canadian Fire Listed

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