



TWO-STEP OPERATION PREVENTS ACCIDENTAL ACTIVATION

- Available in 120VAC
- Highly visible red enclosure
- Lift cover and pull down ring to activate
- Approved for Class I, Division 1 explosion-proof applications
- UL and ULC Listed
- CSFM Approved
- CSA Certified

Explosion-Proof Fire Alarm Pull Station

Model MPEX

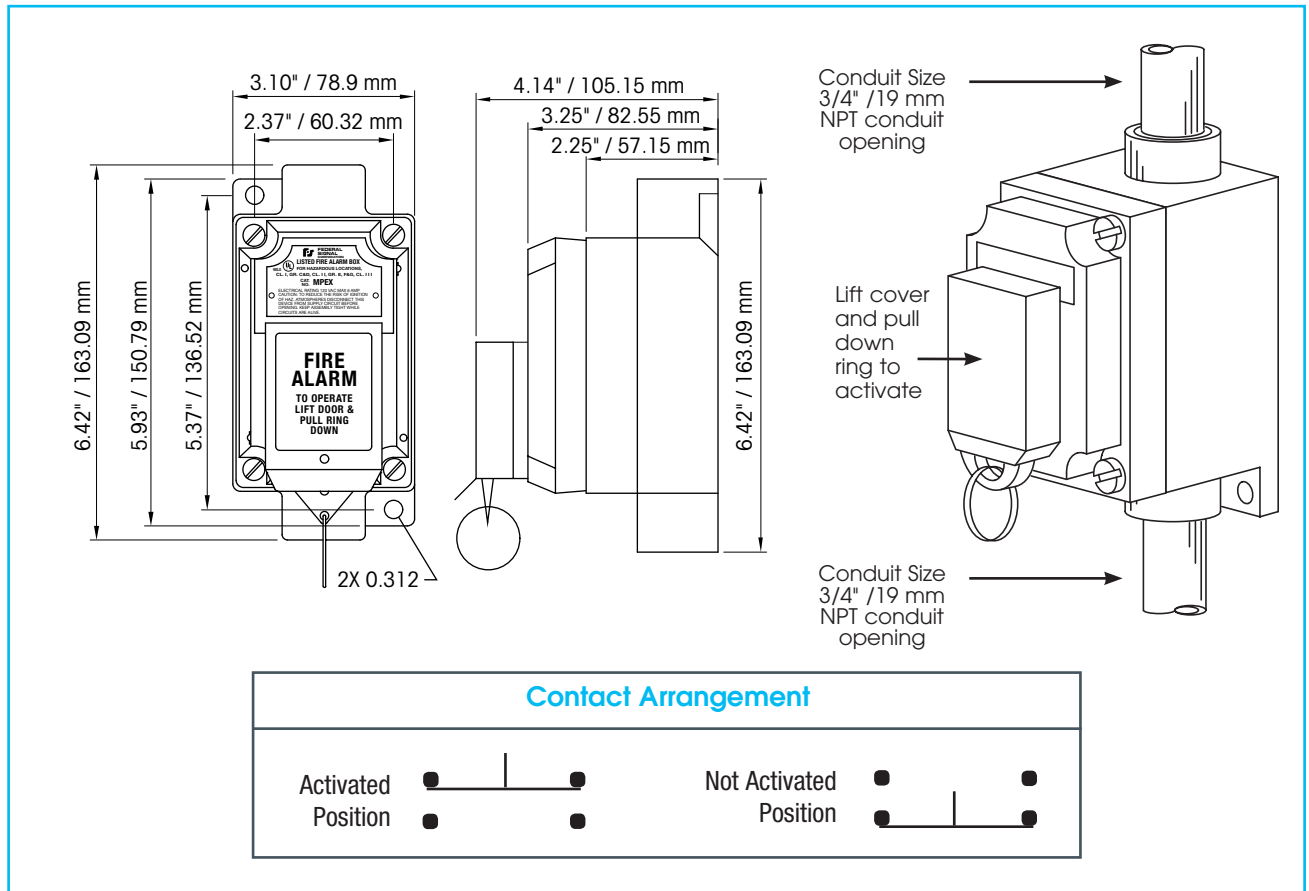
The Model MPEX Explosion-Proof Pull Station is designed for harsh environments. The unit is rated for Class I, Division 1, Groups C & D; Class II, Division 1, Groups E, F and G; and Class III. MPEX is rated NEMA 7 for Groups C & D and NEMA 9 for Groups E, F and G.

The Model MPEX Explosion-Proof Pull Station is designed for hazardous locations where flammable gases, vapors, combustible dusts or easily ignitable fibers are present. The unique swing-up front cover exposes a pull-down ring which activates the alarm; this two-step process prevents accidental activation. The MPEX is reset by depressing the shaft and returning the plate to its original position. Contacts on the unit are rated 120VAC, 60Hz at six amps continuous.

The enclosure is made of copper-free cast aluminum alloy. Installation is made easy via the feed through $\frac{3}{4}$ " NPT conduit openings found on either end of the MPEX. It is painted bright red for high visibility and has clearly marked operating instructions on the face plate.



EXPLOSION-PROOF PULL STATION (MPEX)



SPECIFICATIONS

Net Weight:	2.4 lbs.	1.09 kg
Shipping Weight:	2.7 lbs.	1.23 kg
Height:	6.4"	16.26 cm
Width:	3.1"	7.87 cm
Depth:	4.1"	10.41 cm

HOW TO ORDER

- Specify model number
- Please refer to Model Number Index MPEX beginning on page 377



Fireball® Supervised Strobe Warning Light

Model FB24ST

LIGHT DUTY STROBE LIGHT

- Available in 24VDC
- Four wires and supervisory diode
- Six dome colors
- 10,000 hour strobe tube
- Integrated 1/2-inch NPT pipe and surface mount
- Type 4X, IP66 enclosure
- CSFM Approved
- CSA Certified
- UL and cUL Listed

Federal Signal's brightest and most compact strobe light, the Fireball® Supervised Warning Light emits a powerful "lightning bolt" flash of light. Approximately five inches tall and four inches in diameter and rated at 300 effective candela, the FB24ST is an economical solution to a wide variety of stationary requirements. The Fireball is available in 24VDC. All models are UL and cUL Listed, CSA Certified and CSFM Approved.

The 24VDC FB24ST features a voltage in-rush limiting PCB design that provides greater compatibility with control systems and less electrical interference with in-rush sensitive devices.

The FB24ST features a unique dome that twists off easily for quick dome and lamp replacements. The newly redesigned base features an integrated 1/2-inch NPT pipe mount boss as well as the three holes required for surface mount configurations. Black epoxy paint is electrostatically applied to the base for superior corrosion resistance. The Fireball dome and base design provides a watertight, dust-tight and corrosion resistant Type 4X rating.

The FB24ST contains a supervisory diode and four wire leads, for use in fire alarm applications.

The FB24ST can be used in any application where a superior visual signal is needed. It is especially effective in the warning of industrial hazards, process control, status indication and in areas with high ambient noise levels.

Federal Signal's Fireball Supervised Strobe is a very low-maintenance warning light for industrial applications where a vibration-resistant light is required to signal an emergency or process status.

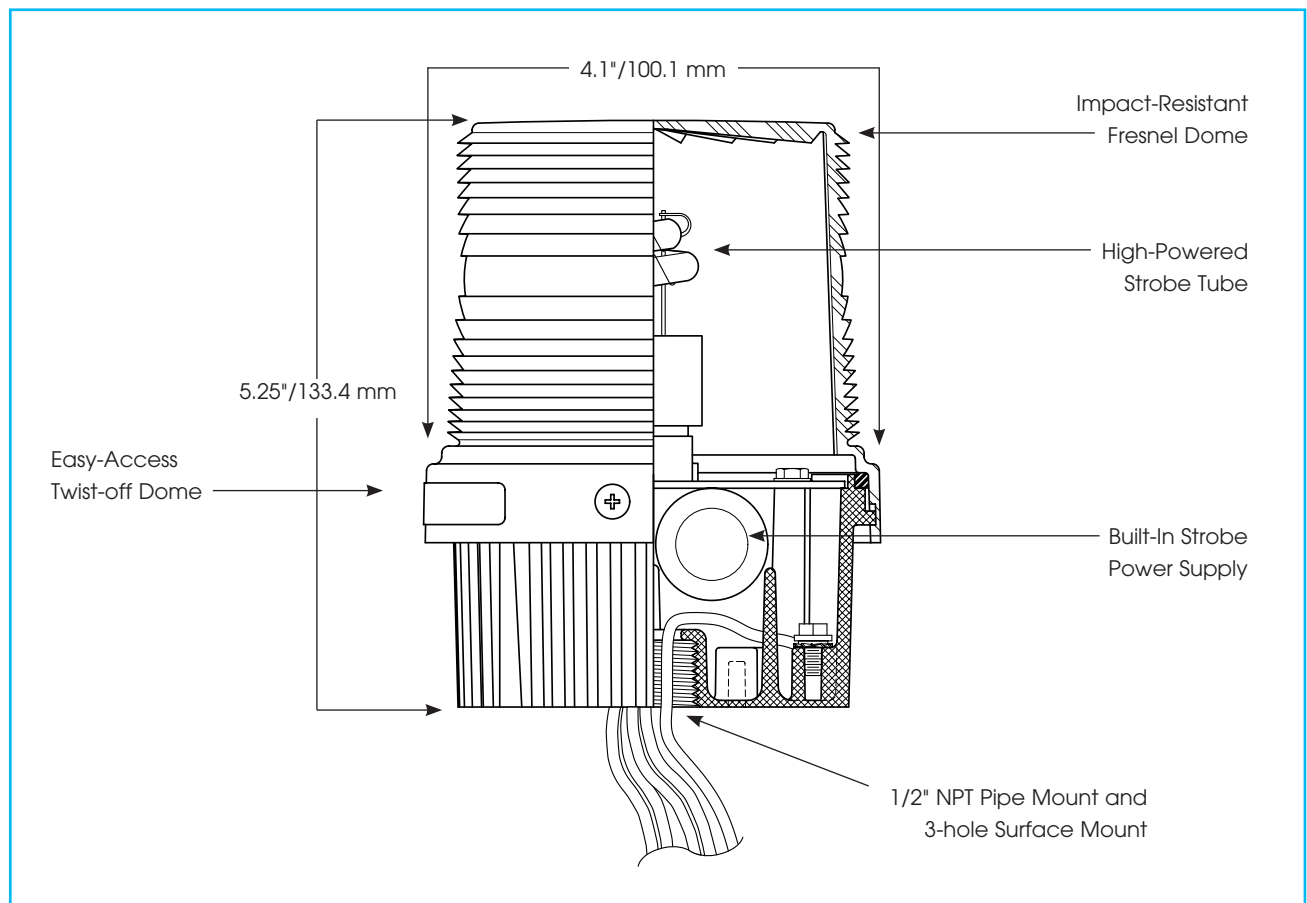
Model	Voltage	Operating Current	Flash Rate/Minute	Candela Peak ¹	ECP ²	Mount
FB24ST	24VDC	0.7 amps (2.0 amp, in-rush)	80	1,000,000	300	1/2" NPT Pipe/Surface

¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily



FIREBALL® STROBE WARNING LIGHT (FB24ST)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source:	Strobe	Strobe
Operating Temperature:	-31°F to 150°F	-35°C to 66°C
Net Weight:	1.45 lbs.	0.7 kg
Shipping Weight:	1.7 lbs.	0.8 kg
Height:	5.25"	133.4 mm
Diameter:	4.1"	100.1 mm

HOW TO ORDER

- Specify model, voltage and color
- Optional Accessories:
Corner Bracket (LCMB2)*
Wall Bracket (LWMB2)*
- Please refer to Model Number Index FB24ST beginning on page 377

* Brackets not Type 4X rated.

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
Dome, Amber	K8550320A	PC Assembly, 24VDC	K2001202C
Dome, Blue	K8550320A-01	Strobe Tube, Series A4, A5, B	K8107177A
Dome, Clear	K8550320A-02		
Dome, Green	K8550320A-03		
Dome, Magenta	K8550320A-05		
Dome, Red	K8550320A-04		



LIGHT DUTY STROBE LIGHT

- Available in 24VDC
- Four wires and supervisory diode
- Clear dome
- 10,000 hour strobe tube
- Integrated 1/2-inch NPT pipe mount and surface mount
- Type 4X, IP66 enclosure
- In-rush protected
- UL1971 Listed
- UL Listed and CSFM Approved

Fireball® Supervised Hearing Impaired Strobe Warning Light

Model FB24STHI

Federal Signal's brightest and most compact strobe light, this supervised FireBall® emits a powerful "lightning bolt" flash of light. Approximately five inches tall and four inches in diameter and rated at 300 effective candela, the FB24STHI is economical and effective. The Fireball is available in 24VDC, this model is UL Listed and CSFM Approved.

The FB24PSTHI features a voltage in-rush limiting PCB design that provides greater compatibility with control systems and panels and less electrical interference with in-rush sensitive devices.

The FB24STHI features a clear dome that twists off easily for quick dome and lamp replacements. The newly redesigned base features an integrated 1/2-inch NPT pipe mount boss as well as the three holes required for surface mount configurations. Black epoxy paint is electrostatically applied to the base for superior corrosion resistance. The Fireball dome and base design provides a watertight, dust-tight and corrosion resistant Type 4X rating.

The Fireball FB24STHI contains a supervisory diode and four wire leads, for use in fire alarm applications. This strobe is UL 1971 listed, for hearing impaired applications.

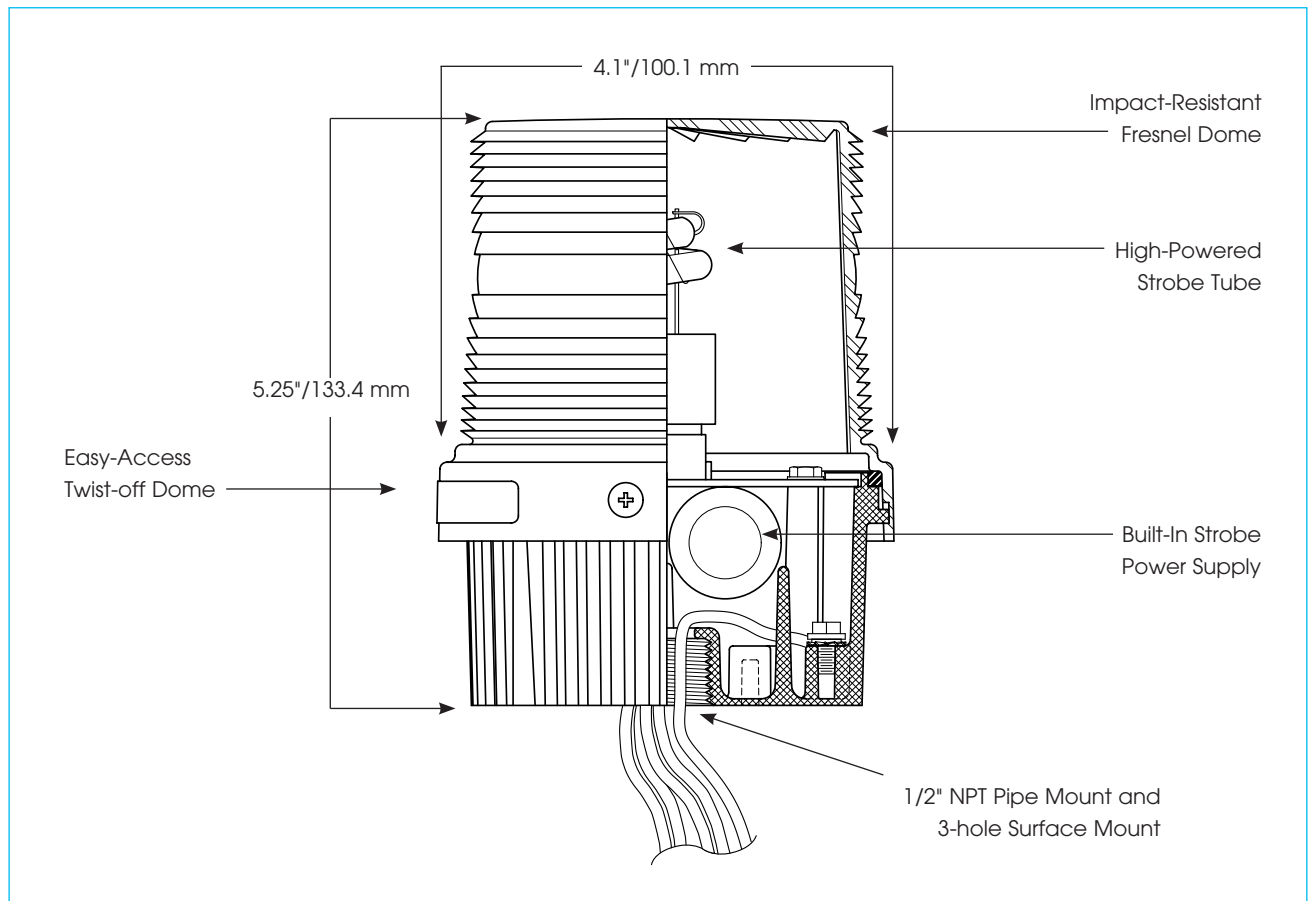
Model	Voltage	Operating Current	Flash Rate/ Minute	Candela Peak ¹	ECP ²	Mount
FB24STHI	24VDC	0.7 amps (2.0 amp, in-rush)	80	1,000,000	300	1/2" Pipe NPT/Surface

¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily



FIREBALL® STROBE WARNING LIGHT (FB24STHI)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source:	Strobe	Strobe
Operating Temperature:	-31°F to 150°F	-35°C to 66°C
Net Weight:	1.45 lbs.	0.7 kg
Shipping Weight:	1.7 lbs.	0.8 kg
Height:	5.25"	133.4 mm
Diameter:	4.1"	100.1 mm

HOW TO ORDER

- Specify model, voltage and color
- Optional Accessories:
Corner Bracket (LCMB2)*
Wall Bracket (LWMB2)*
- Please refer to Model Number Index FS24STHI beginning on page 377

* Brackets not Type 4X rated.

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>
PC Assembly, 24VDC	K2001202C
Dome, Clear	K8550320A-02
Strobe Tube	K8107177A



DESIGNED FOR USE IN HAZARDOUS LOCATIONS

- 24VDC
- Four wires and supervisory diode
- Six lens colors
- 10,000 hour, high-intensity strobe tube
- 1/2-inch NPT pipe mount
- Type 4X, IP66 enclosure
- CSFM Approved
- CSA Certified
- UL and cUL Listed

Electraray® Supervised Hazardous Location Strobe Warning Light

Model 224XST

Federal Signal's Electraray® Model 224XST hazardous location strobe light provides 80 high-intensity flashes per minute. This warning light is available in 24VDC.

The Model 224XST has been certified by UL as meeting Type 4X water-tight and corrosion resistant requirements, constructed to IP66. This hazardous location warning light has a black polyurethane coated base and the inner fresnel lens is available in six colors (including magenta). The clear polycarbonate outer dome can be quickly removed for easy access to inspect the unit or change the lamp. The 224XST has an effective candela of 240 and a 580,000 peak candela.

The 224XST is UL Listed, CSA Certified and CSFM Approved for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; and Class III.

The 24VDC 224XST features a voltage in-rush limiting PCB design that provides greater compatibility control systems and less electrical interference with in-rush sensitive devices.

The Electraray 224XST contains a supervisory diode and four wire leads, for fire alarm applications.

Model 224XST is ideal for wet, corrosive atmospheres like those found in food processing industries, or anywhere a visual signal is needed.

Federal Signal's affordable Electraray Strobe Warning Light is specifically designed for use in hazardous locations or where corrosive materials are present.

Model	Voltage	Operating Current	Flash Rate/Minute	Candela Peak ¹	ECP ²	Mount
224XST	24VDC	0.7 amps (2.0 amp, in-rush)	80	580,000	240	1/2" NPT Pipe

Hazardous Location Rating:

T-Code at Maximum Ambient Temperature, °C

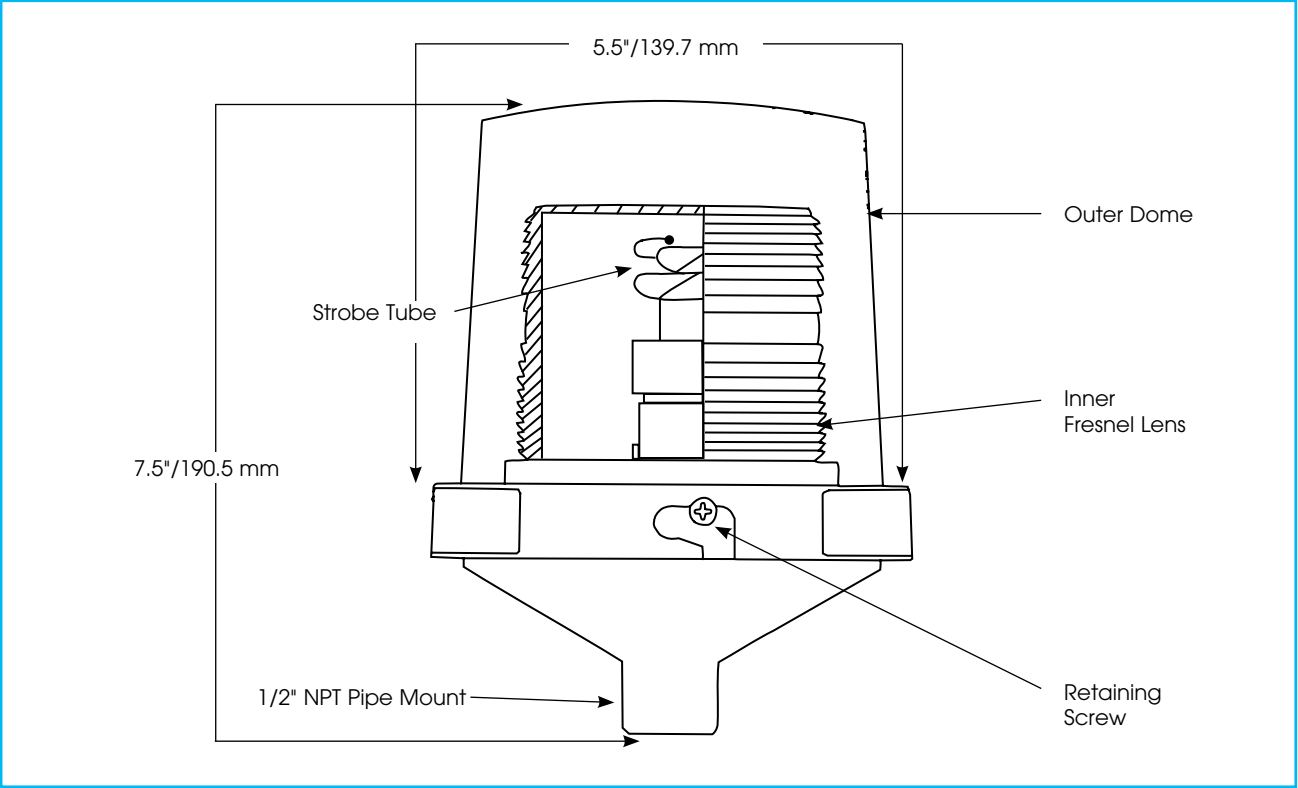
Hazardous Location	40°C
Class I, Div 2, Groups A, B, C, D	T2A/280
Class II, Div 2, Groups F, G	T5/100
Class III	T5/100

¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily



ELECTRARAY® HAZARDOUS LOCATION WARNING LIGHT (224XST)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source:	Strobe	Strobe
Operating Temperature:	-40°F to 104°F	-40°C to 40°C
Net Weight:	1.5 lbs.	0.68 kg
Shipping Weight:	2.0 lbs.	0.9 kg
Height:	7.5"	190.5 mm
Diameter:	5.5"	139.7 mm

HOW TO ORDER

- Specify model, voltage and color
- Please refer to Model Number Index 224XST beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
Interior Lens		Exterior Dome, Clear	K8444D219C-04
Amber	K8550C095A-02	PC Assembly, 24VDC	K2001202C-01
Blue	K8550C095A-01	Strobe Tube	K8107177A
Clear	K8550C095A		
Green	K8550C095A-04		
Magenta	K8550C095A-07		
Red	K8550C095A-03		



DESIGNED FOR USE IN HAZARDOUS LOCATIONS

- Available in 24VDC
- Four wires and supervisory diodes
- Clear lens
- 10,000 hour, high-intensity strobe tube
- 1/2-inch NPT pipe mount
- Type 4X, IP66 enclosure
- UL Listed and CSFM Approved

Electraray® Supervised Hearing Impaired Hazardous Location Strobe Warning Light

Model 224XSTHI

Federal Signal's Electraray® Model 224XSTHI hazardous location strobe light provides 80 high-intensity flashes per minute. This warning light is available in 24VDC.

The Model 224XSTHI has been certified by UL as meeting Type 4X water tight and corrosion resistant requirements, constructed to IP66. This hazardous location warning light has a black polyurethane-coated base and a clear inner fresnel lens to meet the requirements of Hearing Impaired Signals. The clear polycarbonate outer dome can be quickly removed for easy access to inspect the unit or change the lamp. The 224XSTHI has an effective candela of 240 and a 580,000 peak candela.

The 224XSTHI features a voltage in-rush limiting PCB design that provides greater compatibility with control systems and fire alarm panels and less electrical interference with in-rush sensitive devices.

The 224XSTHI warning light is UL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F and G; and Class III. The 224XSTHI is also CSFM Approved.

The Electraray 224XSTHI contains a supervisory diode and four wire leads for fire alarm applications. This strobe is UL 1971 Listed for hearing impaired applications.

Model	Voltage	Operating Current	Flash Rate/Minute	Candela Peak ¹	ECP ²	Mount
224XST-HI	24VDC	0.7 amps (2.0 amp, in-rush)	80	580,000	240	1/2" NPT Pipe

Hazardous Location Rating:

T-Code at Maximum Ambient Temperature, °C

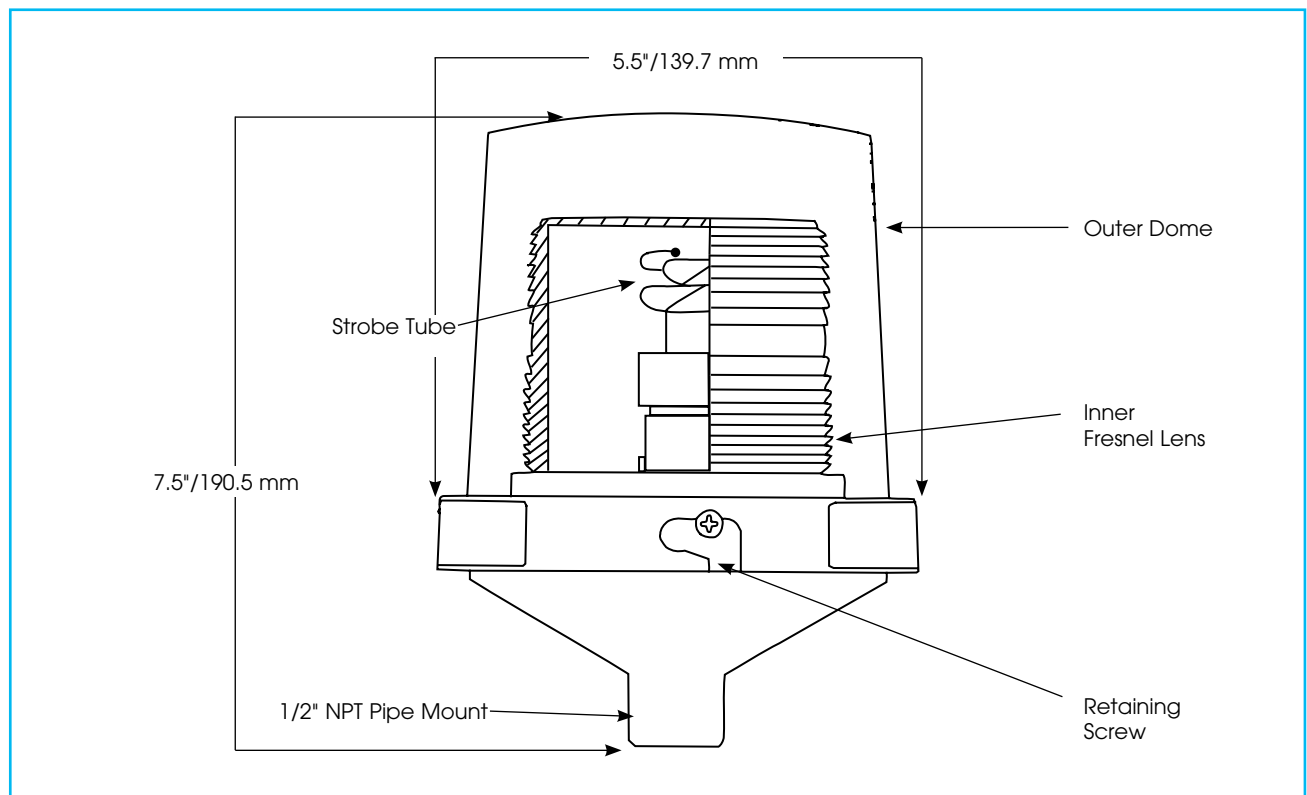
Hazardous Location	40°C
Class I, Div 2, Groups A, B, C, D	T2A/280
Class II, Div 2, Groups F, G	T5/100
Class III	T5/100

¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily



ELECTRARAY® HAZARDOUS LOCATION WARNING LIGHT (224XSTHI)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source:	Strobe	Strobe
Operating Temperature:	-40°F to 104°F	-40°C to 40°C
Net Weight:	1.5 lbs.	0.68 kg
Shipping Weight:	2.0 lbs.	0.9 kg
Height:	7.5"	190.5 mm
Diameter:	5.5"	139.7 mm

HOW TO ORDER

- Specify model, voltage and color
- Please refer to Model Number Index 224XSTHI beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
Exterior Dome, Clear	K8444D219C-04	PC Assembly, 24VDC	K2001202C-01
Interior Lens, Clear	K8550C095A		
Strobe Tube	K8107177A		



RUGGED DESIGN FOR USE IN HAZARDOUS LOCATIONS

- Available in 24VDC
- Four wires and supervisory diode
- Six dome colors
- 10,000-hour high-intensity strobe
- 3/4-inch NPT pipe mount
- Dome guard included
- Type 4X, IP66 enclosure
- Marine Rated
- Supervisable 4-wire power circuit
- CSFM Approved
- CSA Certified for indoor/outdoor use
- UL and cUL Listed

Hazardous Location Supervised Warning Light

Model 154XST

Federal Signal's Model 154XST hazardous location strobe light provides 80 high-intensity flashes per minute. This warning light is available in 24VDC with a 4-wire supervisable power circuit for fire alarm and suppression supervised control panels.

The Model 154XST strobe light is UL and cUL Listed and CSA Certified for Class I, Division 2, Groups A, B, C and D; Class II, Division 1, Groups E, F and G; and Class III.

The 154XST meets Type 4X water-tight, dust-tight, and corrosion-resistant requirements; constructed to IP66. This hazardous location warning light has an aluminum base, coated for corrosion-resistance that is ready for mounting on a 3/4-inch pipe. The Dome Guard (included) fits over the glass dome to protect it against accidental collision with moving equipment, such as forklifts. The 154XST contains a diode and four wire leads for use in fire alarm applications.

The 154XST has an effective candela (ECP) of 165 and a 520,000 peak candela. It is available in six dome colors, including amber, blue, clear, green and red (magenta upon request).

Federal Signal's rugged 154XST strobe warning light is specifically designed for hazardous locations or corrosive environments where a very bright visual signal is required. This warning light can be used for plant evacuation or other communication needs.

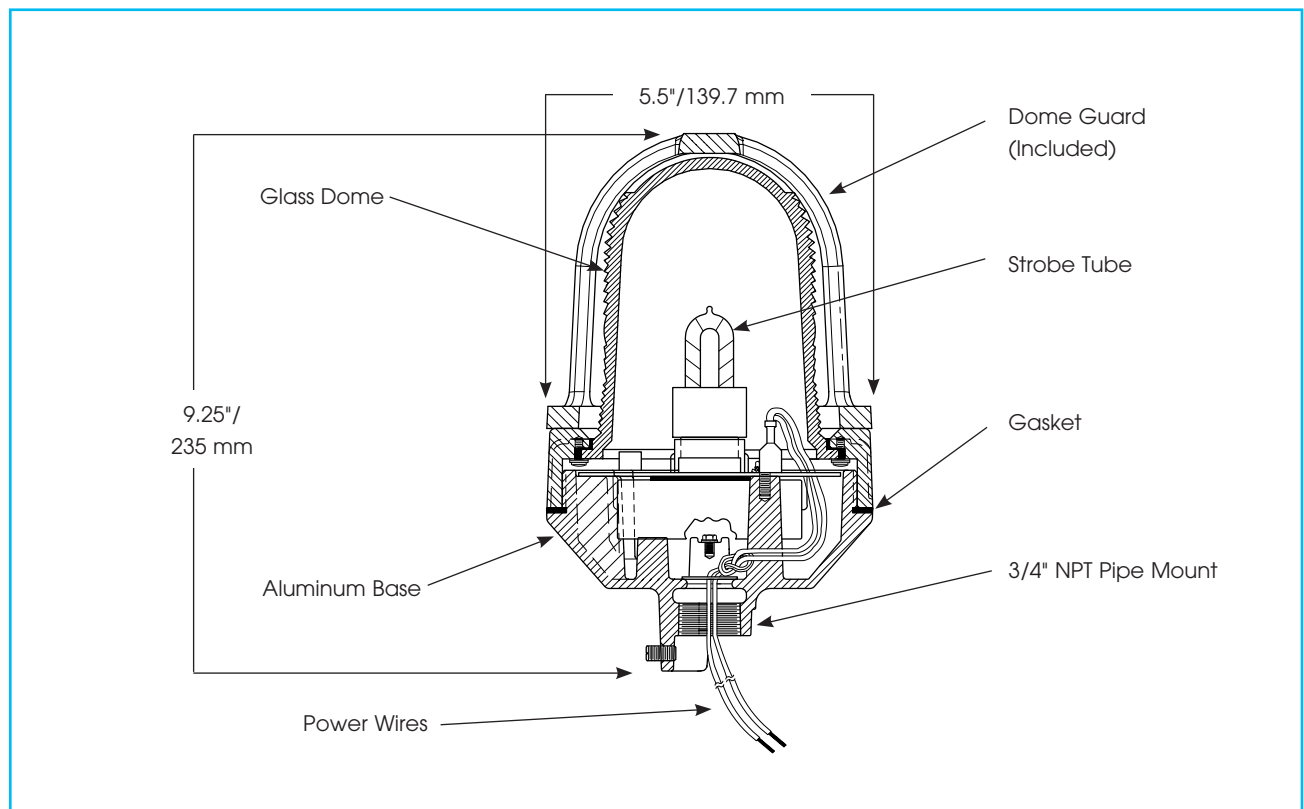
Model	Voltage	Current Draw	Flash Rate/Minute	Candela Peak	Mount
154XST	24VDC	0.60 amps	80	520,000	3/4" NPT pipe

¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily



HAZARDOUS LOCATION STROBE LIGHT (154XST)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source	Strobe	Strobe
Operating Ambient Temperature:	-67°F to 150°F	-55°C to 66°C
Net Weight:	3.8 lbs.	1.7 kg
Shipping Weight:	4.5 lbs.	2.0 kg
Height:	9.25"	235 mm
Diameter:	5.5"	139.7 mm

HOW TO ORDER

- Specify model, voltage and color
- Please refer to Model Number Index 154XST beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
<u>Series C Dome and Ring Assembly*</u>			
Dome & Ring Assembly, Amber	K8449078C-01	PC Assembly, 24VDC	K2001173A
Dome & Ring Assembly, Blue	K8449078C-02	Strobe Tube	K149122B
Dome & Ring Assembly, Clear	K8449078C-04	Dome Gaskets	K8449080B
Dome & Ring Assembly, Green	K8449078C-03	Guard	K8449090B
Dome & Ring Assembly, Magenta	K8449078C-05		
Dome & Ring Assembly, Red	K8449078C		

* Call the factory for Series A and B part numbers.



DESIGNED FOR USE IN EXPLOSION-PROOF ATMOSPHERES

- Available in 24VDC
- Six lens colors
- 10,000 hour strobe tube
- 3/4-inch NPT pendant mount standard; other options available
- Dome guard optional
- Type 4X, IP66 enclosure
- Supervisable power and low in-rush circuit
- Marine Rated
- CSFM Approved
- CSA Certified
- UL and cUL Listed

Explosion-Proof Strobe Light

Model 27XST

Federal Signal's Model 27XST explosion-proof strobe light produces 80 high-intensity flashes per minute. This warning light operates on 24VDC only.

The 27XST is UL Listed for Class I, Division 1, Groups C & D; Class II, Division 1, Groups E, F & G; Class I, Division 2, Groups A, B; and Class III. The 27XST is CSA Certified and Marine Rated.

The 24VDC 27XST features a voltage in-rush limiting PCB design that provides greater compatibility with factory automation control systems and less electrical interference with in-rush sensitive devices. It's diode polarized power circuit also makes it ideal for fire alarm and suppression supervised control panels.

The 27XST is Type 4X rated; constructed to IP66. Corrosion resistance is achieved with a powder epoxy finish applied over the copper-free aluminum housing. All exposed hardware is 316 grade stainless steel.

Federal Signal's Model 27XST has an effective candela (ECP) of 850 and a two million peak candela. A pendant mount is supplied and a ceiling mount and 90° wall mount are available options. For easy installation, the mounting box is first installed and the fixture is then threaded onto the mounting box, making the electrical connection. Electrical continuity is made when five threads are engaged.

Federal Signal's Model 27XST is specifically designed for explosion-proof atmospheres and/or corrosive environments. Because it is easy to install and requires very low maintenance, it is ideal for use in areas such as oil rigs, mines, refineries, and chemical plants.

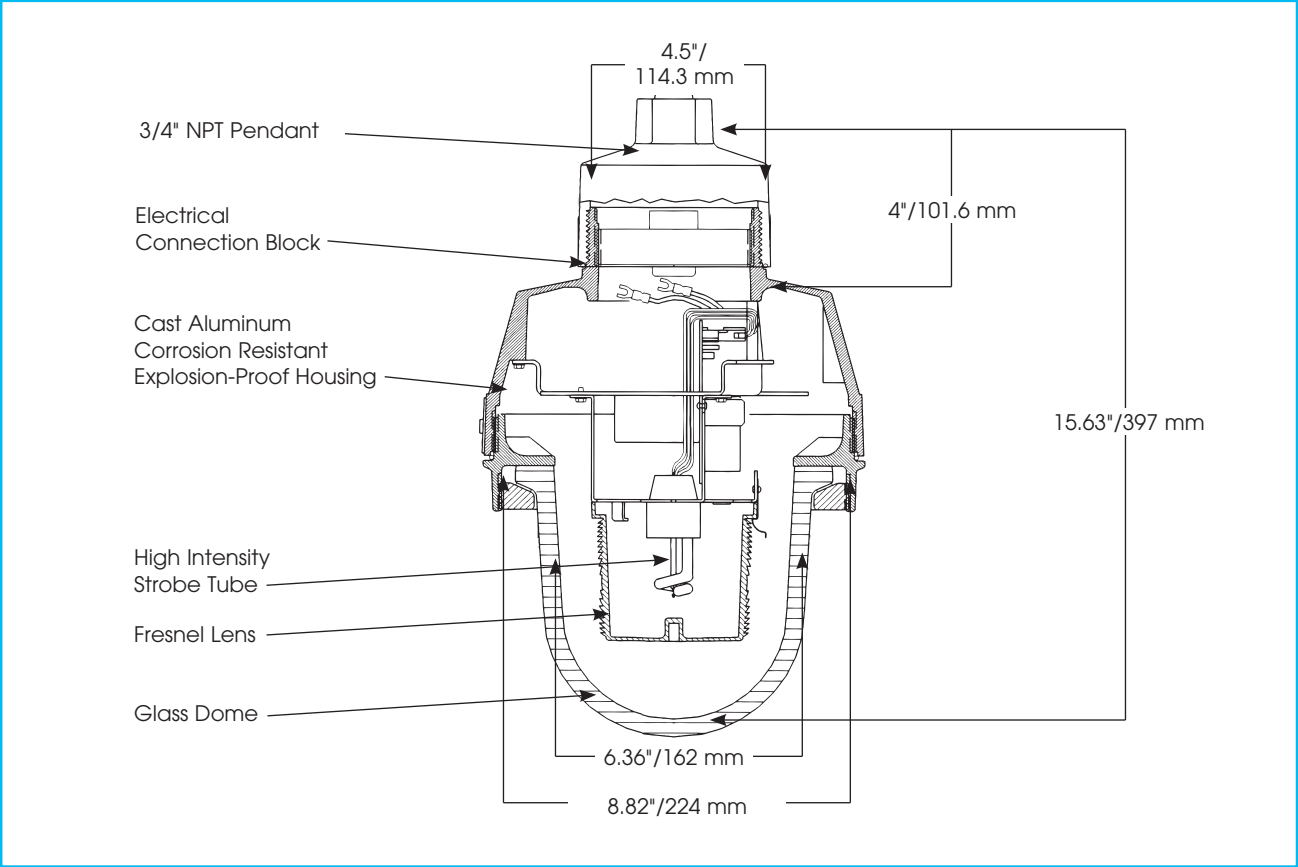
Model	Voltage	Operating Current	Flash Rate/Minute	Candela Peak ¹	ECP ²	Mount
27XST	24VDC	1.9 amps (3.0 amp, in-rush)	80	2,000,000	850	3/4" NPT Pendant



¹ Peak candela is the maximum light intensity generated by a flashing light during its light pulse

² ECP (Effective Candela) is the intensity that would appear to an observer if the light were burning steadily

EXPLOSION-PROOF STROBE LIGHT (27XST)



SPECIFICATIONS

Lamp Life:	10,000 Hours	10,000 Hours
Lamp Source:	Strobe	Strobe
Net Weight:	14 lbs.	6.4 kg
Shipping Weight:	18.1 lbs.	8.2 kg
Height:	15.63"	397.0 mm
Diameter:	8.82"	224.0 mm

HOW TO ORDER

- Specify model, voltage and color
- Optional Accessories:
 - Dome Guard (DGXC)
 - Ceiling Mount (CMXC)
 - Wall Mount (WMXC)
- Please refer to Model Number Index 27XST beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>
Exterior Dome Assembly, Clear	K8444C271A-01	24VDC Mechanism	K8436107F-03
Interior Lens Assembly, Amber	K8550C095A-02	Strobe Tube	K8107159A
Interior Lens Assembly, Blue	K8550C095A-01		
Interior Lens Assembly, Clear	K8550C095A		
Interior Lens Assembly, Green	K8550C095A-04		
Interior Lens Assembly, Magenta	K8550C095A-07		
Interior Lens Assembly, Red	K8550C095A-03		

SelecTone® Audible Signaling Devices

Models 54GC and 54GCB



DESIGNED FOR INDOOR AND OUTDOOR USE

- Available in 24VDC
- Solid-state circuitry
- Built-in gain control
- Produces 0dBc to 86dBc @ 10' (0dBc to 96dBc @ 1m)
- Flush or surface mount
- Type 3R enclosure
- 4-wire supervisable power circuit
- UL Listed and CSFM Approved

Federal Signal's Model 54GC and 54GCB SelecTone Speaker Amplifiers are designed to provide crisp, clear tones in supervised alarm notification systems.

In the Models 54GC, a short, folded re-entrant horn is interposed between the diaphragm and surrounding air space. This design provides optimal dB output and very good frequency response.

The 54GC is UL Listed. It has been designed, tested and approved for use in Type 3R applications. When installed with the Model WB Weatherproof Backbox, the 54GC is suitable for use outdoors. The compact size and attractive appearance of the Model 54GC makes it ideal for use in offices, hallways, reception and plant areas where ambient noise levels are not exceedingly high, and even sound dispersal is desired.

The 54GCB is designed for areas without high ambient noise levels, such as offices, hallways and reception areas. The baffle allows the four-inch speaker to be installed easily in any suspended ceiling plenum with a Model R4NB backbox. The white grill of the 54GCB is attractive in most decors.

Internal gain control allows output adjustment from 0dBc to a maximum of 86dBc at 10 feet.

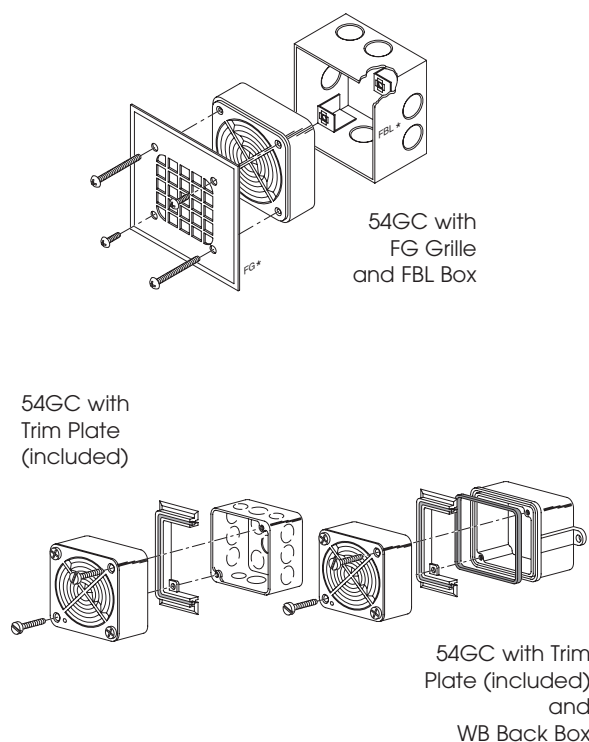
SelecTone Speaker Amplifiers are used individually or as part of a plant-wide emergency notification system. The Model UTM Universal Tone Module, with 32 tones is plugged into a single SelecTone Speaker Amplifier for stand-alone use or into a SelecTone Command Unit for plant-wide signaling.

Model	Voltage	Operating Current	Standby Current	Decibels per UL1480		Decibels on Axis	
				10'	1m	10'	1m
54GC	24VDC	0.071 amps	0.025 amps	71	81	86	96
54GCB	24VDC	0.071 amps	0.025 amps	71	81	84	94

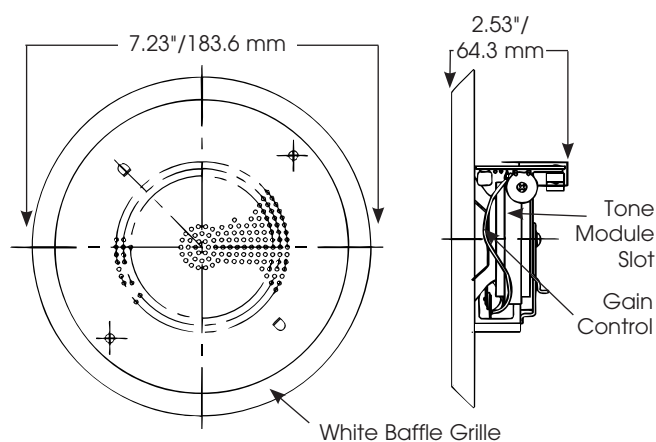


SELECTONE® AUDIBLE SIGNALING DEVICE (54GC/54GCB)

54GC



54GCB



SPECIFICATIONS

54GC

Operating Temperature:	-31°F to 161°F	-35°C to 72°C
Net Weight:	1.7 lbs.	0.8 kg
Shipping Weight:	2.2 lbs.	1.0 kg
Height :	4.5"	114.0 mm
Width:	4.50"	114.0 mm
Depth:	3.44"	87.0 mm

54GCB

Operating Temperature:	-31°F to 161°F	-35°C to 72°C
Net Weight:	1.6 lbs.	0.73 kg
Shipping Weight:	2.3 lbs.	1.04 kg
Depth :	2.53"	64.3 mm
Diameter:	7.23"	183.6 mm

HOW TO ORDER

- Specify Model
- Specify Tone Module for stand alone operation Universal Tone Module (UTM)
- Specify Connector Kit for use in systems. (Call factory for system design assistance.)
Supervised Connector Kit (300CKS) 25 Vrms Connector Kit (AM25CK)
- Optional Accessories:
Knock-out Back Box (NBL)
Weatherproof Back Box (WB)
Grille (FG)
Flush Mount Back Box (FBL)
Ceiling Back Box (R4NB)
- Please refer to Model Number Index 54GC/54GCB beginning on page 377



SelecTone® Audible Signaling Device

Models 304GC and 314GC

PLANT-WIDE WARNING AND VOICE COMMUNICATION

- Available in 24VDC
- Built-in gain control
- Digital signal amplification
- Fused input and output
- Type 3R enclosure
- 4-wire supervisable power circuit
- UL Listed and CSFM Approved

The Federal Signal Models 304GC and 314GC Amplified Speakers are designed to produce crisp, clear tones in supervised alarm notification systems. These amplified speakers can broadcast 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. When live public address or voice messages are required, plug-in Connector Cards (AM25CK or AM70CK) interface with the Vrms of the EVAC panel.

Both speaker amplifiers are compatible with fire alarm and suppression supervised control panels and power boosters.

The speaker cone and projector are constructed of rugged spun aluminum. The solid-state amplifier circuit is protected in a die-cast aluminum housing. Dust- and moisture-proof gaskets provide protection from the elements. All external surfaces are sealed with gray powder coat paint. The 304GC is easily installed on any flat surface.

Both the 304GC and 314GC are UL Listed for use indoors and out.

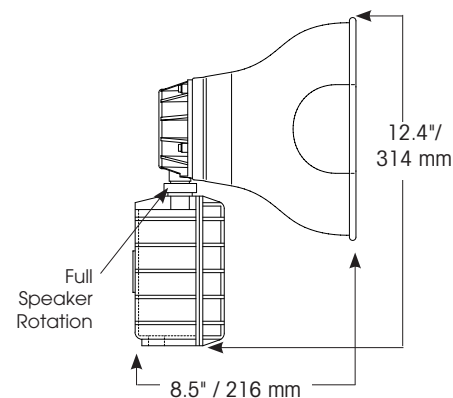
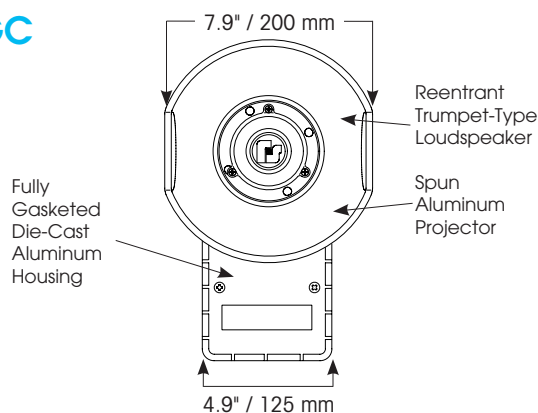
The rugged construction and high output of the Models 304GC and 314GC make it ideal for use in harsh environments with high ambient noise levels. Both models feature an internal gain control for adjustment to the suit area.

Model	Voltage	Operating Current	Standby Current	Decibels per UL1480		Decibels on Axis	
				10'	1m	10'	1m
304GC	24VDC	0.7 amps	0.15 amps	95	105	108	118
314GC	24VDC	1.3 amps	0.15 amps	100	110	112	122

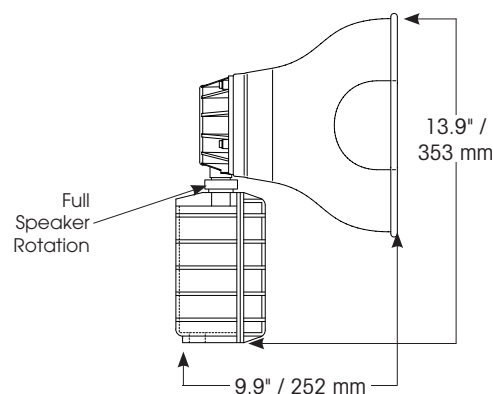
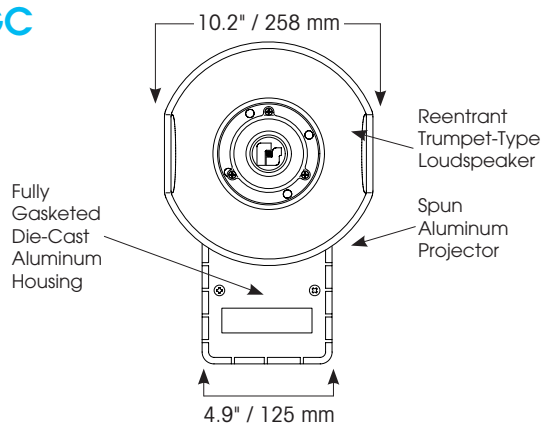


SELECTONE® AUDIBLE SIGNALING DEVICE (304GC/314GC)

304GC



314GC



SPECIFICATIONS

304GC

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	4.5 lbs.	2.0 kg
Shipping Weight:	5.7 lbs.	2.6 kg
Height:	12.4"	314.0 mm
Width:	7.9"	200.0 mm
Depth:	8.5"	216.0 mm

314GC

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	6.1 lbs.	2.8 kg
Shipping Weight:	7.5 lbs.	3.4 kg
Height:	13.9"	353.0 mm
Width:	10.2"	258.0 mm
Depth:	9.9"	252.0 mm

HOW TO ORDER

- Specify model number and voltage
- Universal Tone Module (UTM)
- Specify Connector Kit for use in systems
Supervised Connector Kit (300CKS)
25 Vrms Connector Kit (AM25CK)
- Please refer to Model Number Index
304GC/314GC beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>
304GC	
Amplifier Assembly	K2005356A
Voice Coil Series B	K8593035A
Speaker Assembly	K8593082A
4 Pos connector	K140340B
314GC	
Amplifier Assembly	K2005356A-01
Voice Coil Series B	K8593036A
Speaker Assembly	K8593103A
4 Pos connector	K140340B



DESIGNED FOR USE IN HAZARDOUS LOCATIONS

- Available in 24VDC
- Reliable, solid-state circuitry
- Built-in gain control
- Digital signal amplification
- Fused input and output
- Type 4X enclosure
- External mounting tabs
- 4-wire supervisable power circuit
- UL Listed and CSFM Approved

SelecTone® Hazardous Location Audible Signaling Device

Models 304GCX and 314GCX

Federal Signal Models 304GCX and 314GCX Hazardous Location Amplified Speakers are designed to produce crisp, clear tones in supervised alarm notification systems. Both speakers amplifiers are compatible with fire alarm, voice evacuation, suppression supervised control panels and power boosters.

These amplified speakers can broadcast 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. When live public address or voice messages are required, plug-in Connector Cards (AM25CK or AM70CK) interface with the audio output of the EVAC panel.

The speaker cone and projector are constructed of rugged spun aluminum. The solid-state amplifier circuit is protected in a die-cast aluminum housing. Dust and moisture-proof gaskets provide protection from the elements. All external surfaces are sealed with gray powder coat paint. The 304GCX and 314GCX are easily installed with external mounting tabs.

The 304GCX and 314GCX are UL Listed for Class I, Division 2, Groups A, B, C and D; Class II, Division 2, Groups F & G; and Class III.

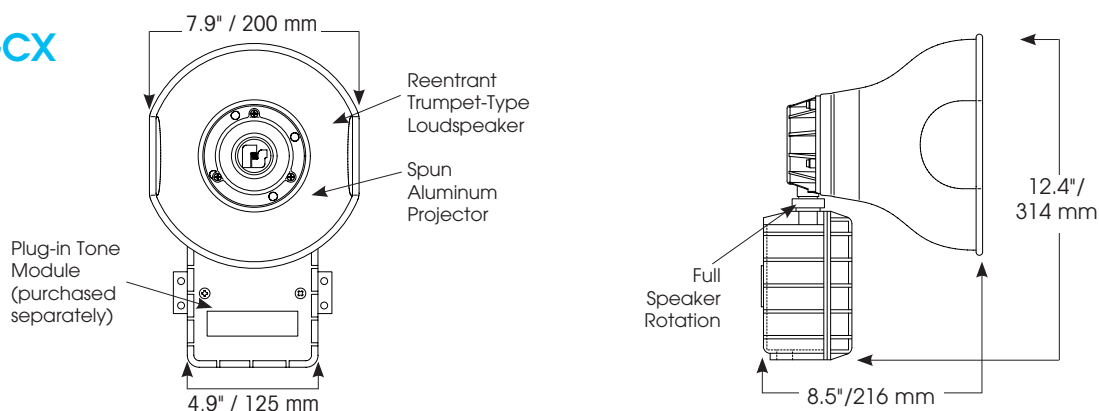
The rugged construction and high output of the Model 304GCX and 314GCX make it ideal for use in harsh environments with high ambient noise levels. Both models feature an internal gain control for adjustment to suit area.

Model	Voltage	Operating Current	Standby Current	Decibels per UL1480		Decibels on Axis	
				10'	1m	10'	1m
304GCX	24VDC	0.7 amps	0.15 amps	95	105	108	118
314GCX	24VDC	1.3 amps	0.15 amps	100	110	112	122

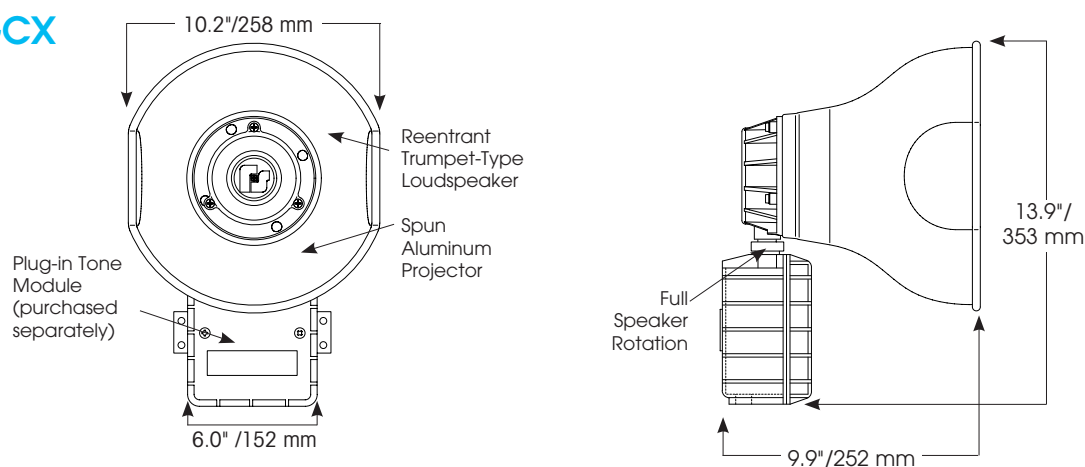


HAZARDOUS LOCATION AUDIBLE SIGNALING DEVICE (304GCX/314GCX)

304GCX



314GCX



SPECIFICATIONS

304GCX

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	4.5 lbs.	2.0 kg
Shipping Weight:	5.7 lbs.	2.6 kg
Height:	12.4"	314.0 mm
Width:	7.9"	200.0 mm
Depth:	8.5"	216.0 mm

314GCX

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	6.1 lbs.	2.8 kg
Shipping Weight:	7.5 lbs.	3.4 kg
Height:	13.9"	353.0 mm
Width:	10.2"	258.0 mm
Depth:	9.9"	252.0 mm

HOW TO ORDER

- Specify model number and voltage
- Universal Tone Module (UTM)
- Specify Connector Kit for use in systems:
Supervised Connector Kit (300CKS) 25 Vrms
Connector Kit (AM25CK)
- Please refer to Model Number Index
304GCX/314GCX beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>
304GCX	
Amplifier Assembly	K2005356A
Voice Coil, Series B	K8593035A
Speaker Assembly	K8593082A
4 Pos connector	K140340B
314GCX	
Amplifier Assembly	K2005356A-01
Voice Coil, Series B	K8593036A
Speaker Assembly	K8593103A
4 Pos connector	K140340B



DESIGNED FOR EXPLOSION-PROOF ENVIRONMENTS

- Available in 24VDC
- Built-in gain control
- 4-wire supervisable power circuit
- IP65, NEMA 4X Approved
- UL Listed and CSFM Approved

SelecTone® Explosion-Proof Audible Signaling Device

Models 304X and 314X

The Federal Signal Model 304X and 314X Explosion Proof Amplified Speakers are designed to produce crisp, clear tones in supervised alarm notification systems. Both models are compatible with fire alarm, voice evacuation, suppression supervised control panels, and power boosters.

These amplified speakers can broadcast 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. When live public address or voice messages are required, plug-in Connector Cards (AM25CK or AM70CK) interface with the Vrms of the EVAC panel.

The speaker cone and projector are constructed of rugged spun aluminum. The solid-state amplifier circuit is protected in a die-cast aluminum housing. Dust- and moisture-proof gaskets provide protection from the elements. All external surfaces are sealed with gray powder coat paint. A heavy-duty swivel mount bracket allows the installer to direct the output effectively.

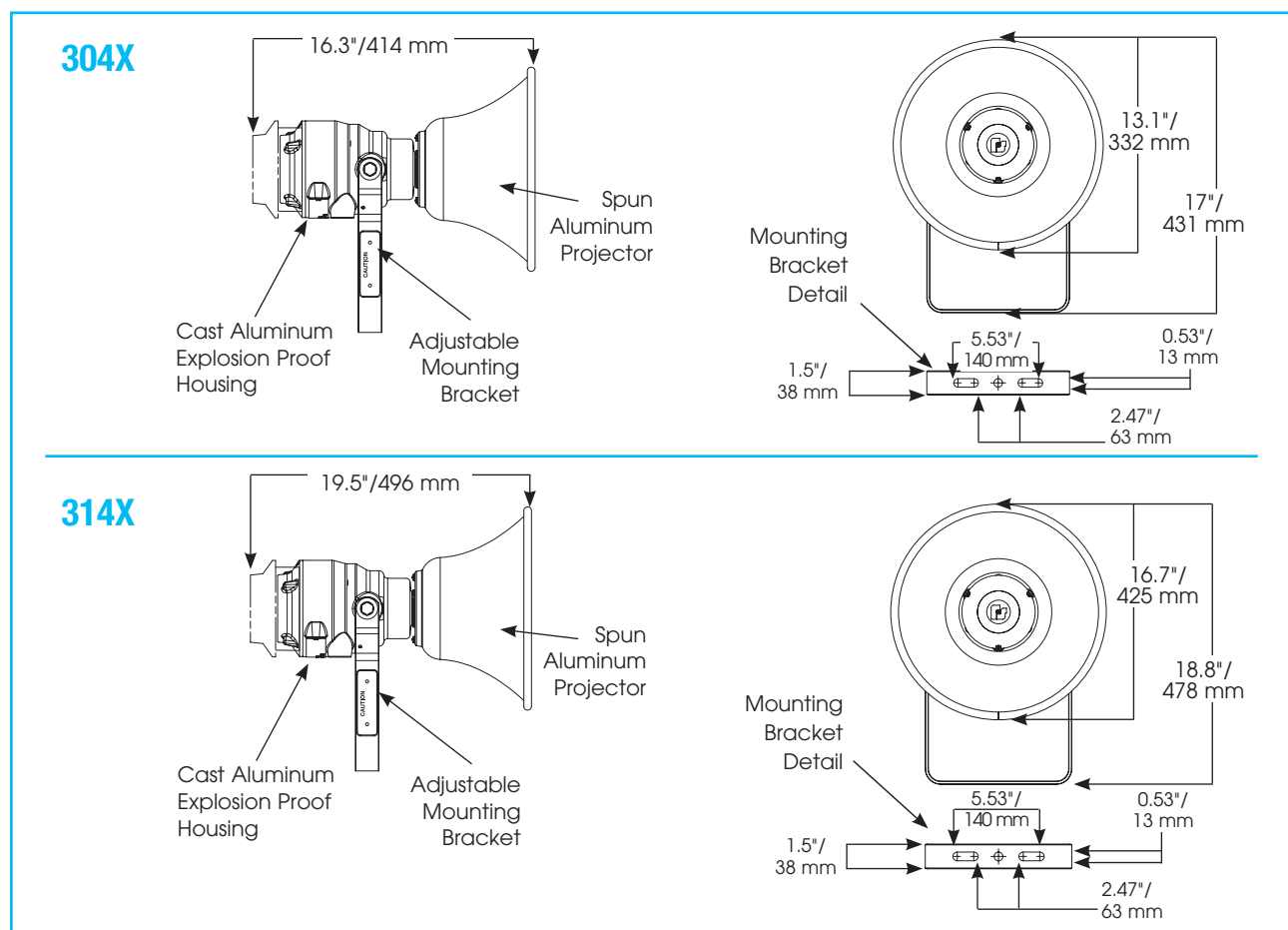
The 304X and 314X are UL Listed for Class I, Division 1, Groups B, C & D.

The rugged construction and high output of the Model 304X and 314X make them ideal for use in harsh environments with high ambient noise levels. Both models feature an internal gain control for adjustment to suit area.

Model	Voltage	Operating Current	Standby Current	Decibels per UL1480		Decibels on Axis	
				10'	1m	10'	1m
304X	24VDC	0.7 amps	0.13 amps	91	101	110	120
314X	24VDC	1.0 amps	0.13 amps	97	107	114	124



EXPLOSION-PROOF AUDIBLE SIGNALING DEVICE (304X/314X)



SPECIFICATIONS

304X

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	15.4 lbs.	7.0 kg
Shipping Weight:	22.8 lbs.	10.4 kg
Height:	17.0"	431.80 mm
Width:	13.1"	332.73 mm
Depth:	16.3"	414.02 mm

314X

Operating Temperature:	-40°F to 150°F	-40°C to 66°C
Net Weight:	16.4 lbs.	7.4 kg
Shipping Weight:	32.4 lbs.	14.7 kg
Height:	18.8"	477.52 mm
Width:	16.7"	424.17 mm
Depth:	19.5"	495.30 mm
Ingress Protection:	IP65 and NEMA 4X Approved	

HOW TO ORDER

- Specify model number
- Universal Tone Module (UTM)
- Specify Connector Kit for use in systems
Supervised Connector Kit (300CKS)
25 Vrms Connector Kit (AM25CK)
- Please refer to Model Number Index
304X/314X beginning on page 377

REPLACEMENT PARTS

<u>Description</u>	<u>Part Number</u>
304X	
Amplifier Assembly	K2005355A-01
Horn Assembly	K8593100A
Driver Assembly	K8593097A
Cover Assembly	K8593098A
Mounting Bracket Assembly	K8593071A
4 Pos connector	K140340B
314X	
Amplifier Assembly	K2005355A-02
Horn Assembly	K8593101A
4 Pos connector	K140340B