

We make safe and
sound work.



Powering Business Worldwide



We make safe & sound
work because that's what
really matters.



Powering Business Worldwide

Life safety notification

When it comes to protecting life and property, there's no room for compromise. The leading solutions for life safety and mass notification from Eaton are designed to save lives. In the most demanding industrial and commercial environments, we make safe and sound work. Because that's what really matters.

Learn more about Eaton's latest solutions, including Wheelock, SAFEPath, and Eluxa, by visiting our website or contacting us directly at LifeSafety@Eaton.com.

Eaton.com/Lifesafetynotification



Expertise built on experience

Eaton is the industry's foremost developer in advanced technological solutions for fire, life safety and mass notification. For nearly a century, its Wheelock products have stood for innovation, service and expertise. A trusted product line with proven experience, Wheelock offers industry-first, patented technology for the largest range of audible and visual notification appliances. Eaton continues to deliver on our commitment to provide customers with innovative product solutions, exceptional value and outstanding service.

Eaton

Life safety & mass notification solutions

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This Product Catalog contains concise information on Eaton's portfolio of products for use in Life Safety applications.

For more information, including detailed specification and instruction sheets, visit our website: www.eaton.com/Lifesafetynotification.

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Technical Support: 1-800-631-2148, Option 2



Life safety notification

Eaton has been an industry leader for nearly a century offering the broadest line of life safety notification appliances and accessories to meet your needs while complying with the latest codes and standards such as UL and NFPA.

- Audible/Visual Appliances
- Manual Pull Stations
- Sync Modules and Power Supplies
- Accessories
- Audio systems



Introducing Eluxa

Introducing Eluxa

Best-in-class, next generation LED notification appliances

Complete indoor product line with 6 candela settings in 1 device

Eluxa features one of the industry's lowest current draws with its high-efficiency LEDs. Competitive models can draw up to 3 times the current, and an average circuit consumes 70% more current than Eluxa devices. This substantially reduces overall power consumption, allowing for a greater number of appliances on the NAC and fewer power supplies, resulting in significant material and system cost savings. With 6 candela settings, Eaton offers a full range of low and high candela appliances in a single device. In addition, in one of the world's most compact designs, building owners will benefit from Eluxa's aesthetically pleasing design that doesn't detract from building décor.

The product line has also been UL/ ULC listed as compatible with all fire alarm control panels and accessories that have been determined to be compatible with Wheelock RSS strobe-based products. This means Eluxa devices are backward compatible with one of the largest installed bases in the country. It also meets the 20-millisecond light pulse duration requirements of NFPA 72 2016. By meeting this requirement, the Eluxa product line has been listed by UL to allow mixing of Wheelock legacy xenon devices in the same field of view.



Energy efficient

- LED technology provides one of the industry's lowest current draws.
- Most efficient horns in the industry with higher dB and lower power
- Fewer power supplies required, smaller wire gage, reduced wire runs

Low-profile design

- One of the smallest, most compact single-gang designs
- Sleek, modern aesthetics with no visible mounting screws

Special lettering available

6 Field selectable settings in 1 device

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd

3 horn patterns & 2 dB settings

- Continuous, T3, and T3/T4; Fire and CO signaling in 1 device
- Sound pressure (Anechoic) dBA: Low 86, High 91 (for Continuous, T3, and T4)

Easy-to-install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place.
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches--No tools needed for setting changes
- Mounting options include ELSBB, any single-gang backbox and to 4" square with adapter kit for wall models and LSPKBB-C backboxes, 4" square, 1 1/2" or 2 1/8" deep

Strobe synchronization

- Meet synchronizing standards with Wheelock's DSM Sync Modules, PS Power Supplies or SAFEPATH products
- Ability to mix xenon and LED strobes in the same field of view

Compliance

- NFPA 72 2016 - 20 ms flash duration requirements
- UL 1971, UL 1638, UL 464, ULC-S525, ULC-S526
- California State Fire Marshal (CSFM)
- Factory Mutual (FM)

**Features:****Compatibility**

- UL/ULC listed as compatible with all Fire Alarm Control Panels (FACP) and accessories that have been determined to be compatible with Wheelock RSS strobe-based products
- Ability to mix LED and xenon strobes in the same field of view
- Meets stringent synchronizing standards for strobes with Wheelock's DSM Sync Modules, PS Power Supplies or SAFEPAATH products

Energy efficient

- LED technology provides one of the industry's lowest current draws for a combined high and low candela device.
- Fewer power supplies required, smaller wire gage, reduced wire runs

Low profile design

- One of the smallest, most compact single-gang designs
- Sleek, modern aesthetics with no visible mounting screws

Field selectable settings

- Wall: 15, 30, 75, 110, 135, 185 cd
- Ceiling: 15, 30, 75, 110, 150, 177 cd

Special lettering and amber and blue lens**Easy-to-install**




- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation Finger slide switches—No tools needed for setting changes
- Mounting options include ELSBB, any single-gang backbox and to 4" square with adapter kit for wall models and LSPKBB-C backboxes, 4" square, 1 1/2 or 2 1/8" deep and 4" Octagonal, 1 1/2" or 2 1/8" deep for ceiling models




Compliance & approvals

- NFPA 72 2016 (meets maximum light pulse duration of 20 ms)
- UL 1971, UL 464; ULC-S525, ULC-S526
- California State Fire Marshal (CSFM)
- ADA/NFPA/ANSI/OSHA
- FCC Part 15, ICES
- Factory Mutual (FM)

Complete indoor line with low & high candela 6 settings in 1 device, reducing SKUs by 50%

Eluxa product cross reference

Wall Mount Products		New Models	Legacy models
Horn Strobes			
	Red	ELHSR	LHSR3 HSR
	White	ELHSW	LHSW3 HSW
Strobes			
	Red	ELSTR	LSTR3 LSTR3-A LSTR3-AL LSTR3-ALA LSTR3-ALB LSTR3-N RSS-24MCW-ALR RSS-24MCW-AR RSS-24MCW-FR STR-A STR-AL STR-ALA STR-N
	White	ELSTW	LSTW3 LSTW3-A LSTW3-AL RSS-24MCW-ALW RSS-24MCW-FW STW STW-A STW-AL
Horns			
	Red	ELHNR	LHNR3 HNR
	White	ELHNW	LHNW3 HNW





Ceiling Mount Products		New Models	Legacy Models
Horn Strobes			
	Red	ELHSRC	LHSRC3 HSRC
	White	ELHSWC	LHSWC3 HSWC
Strobes			
	Red	ELSTRC	LSTRC3 STRC LSTRC3-AL LSTRC3-ALA LSTRC3-ALB RSS-24MCC-ALR RSS-24MCC-FR RSS-24MCCH-ALR RSS-24MCCH-FR RSSA-24MCC-ALR STRC STRC-A STRC-AL STRC-ALA STRC-N
	White	ELSTWC	LSTWC3 STWC RSS-24MCC-FW RSS-24MCCH-FW
Horns			
	Red	ELHNRC	LHNRC3 HNRC
	White	ELHNWC	LHNWC3 HNWC







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Additional Eluxa models are also available, including amber and blue lens, special lettering, and low frequency sounder and sounder strobes. For more information, visit Eaton.com/Lifesafetynotification or email us at Lifesafety@eaton.com.

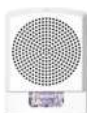







Eluxa product cross reference







Wall Mount Products		New Models	Legacy models	
Speaker Strobes				
	Red	ELSPSTR	E50-24MCW-ALR E50-24MCW-FR E50-24MCW-FR-ULC E50-24MCWH-FR E50H-24MCW-ALR E50H-24MCW-FR E50H-24MCWH-FR E70-24MCW-ALR E70-24MCW-FR	E70-24MCWH-FR E70H-24MCW-ALR E70H-24MCW-FR E70H-24MCWH-FR ET70-24MCW-ALR ET70-24MCW-FR ET70-24MCWH-FR LSPSTR3 LSPSTR3-AL LSPSTR3-ALA
	White	ELSPSTW	E50-24MCW-ALW E50-24MCW-FVW E50-24MCW-FW-ULC E50-24MCWH-ALW E50-24MCWH-FW E50-24MCW-NW E50A-24MCW-ALW E50H-24MCW-ALW E50H-24MCW-FW E50H-24MCWH-ALW E50H-24MCWH-FW E50H-24MCW-NW E50HA-24MCW-ALW E70-24MCW-ALW E70-24MCW-FVW E70-24MCWH-ALW E70-24MCWH-FW E70-24MCWH-NVW E70-24MCW-NW LSPSTW3 LSPSTW3-AL LSPSTW3-M LSPSTW3-N	
Speakers				
	Red	ELSPKR	E50H-ALW E50H-R E50-R E50-R-ULC E70H-R E70-R	E70-R ET70-R LSPKR LSPKR-AL LSPKR-N
	White	ELSPKW	E50-ALW E50H-W E50-W E50-W-ULC E70H-W	E70-W ET70-W LSPKW LSPKW-AL LSPKW-N
Low frequency sounder strobes				
	Red	ELFHSR	LFHSKR3 (110)	LFHSHR3 (177)
	White	ELFHSW	LFHSKW3 (110)	LFHSHW3 (177)
Low frequency sounders				
	Red	ELFHNRR	LFHNKR3	
	White	ELFHNW	LFHNKW3	

Ceiling Mount Products		New Models	Legacy Models	
Speaker Strobes				
	Red	ELSPSTRC	E60-24MCC-FR E60-24MCCH-FR E60H-24MCC-FR E60H-24MCCH-FR	E90-24MCC-FR E90-24MCCH-FR E90H-24MCC-FR E90H-24MCCH-FR LSPSTRC3
	White	ELSPSTWC	E50A-24MCC-NW E60-24MCC-ALW E60-24MCC-FW E60-24MCC-FW-ULC E60-24MCCH-ALW E60-24MCC-NW E60A-24MCC-ALW E60A-24MCC-NW E60H-24MCC-ALW E60H-24MCC-FW E60H-24MCCH-ALW E60H-24MCCH-FW E60H-24MCC-NW E60HA-24MCC-ALW E70-24MCC-ALW E90-24MCC-ALW E90-24MCC-FW E90-24MCCH-ALW	E90-24MCCH-FW E90-24MCC-NW E90H-24MCC-ALW E90H-24MCC-FW E90H-24MCCH-ALW E90H-24MCC-FW E90H-24MCC-NW E90HA-24MCC-ALW ET90-24MCC-ALW ET90-24MCCH-NW ET90-24MCC-NW ET90A-24MCC-ALW ET90A-24MCCH-ALW LSPSTW3-ALA LSPSTWC3 LSPSTWC3-AL LSPSTWC3-ALA LSPSTWC3-N LSPSTWC3-NA
Speakers				
	Red	ELSPKRC	E60H-R E60-R E90-R ET90-R LSPKRC	LSPKRC-AL LSPKRC-F LSPKRC-N E90H-R
	White	ELSPKWC	E60-ALW E60H-ALW E60H-W E60-W E60-W-ULC E90H-W	E90-W ET90-W LSPKWC LSPKWC-AL LSPKWC-N
Low frequency sounder strobes				
	Red	ELFHSRC	NA	
	White	ELFHSWC	NA	
Low frequency sounders				
	Red	ELFHNR	NA	
	White	ELFHNW	NA	



Eluxa product cross reference

Wall Mount Products	New Models	Legacy models
Chime Strobes		
 Red	ELCHSR	CH70-24MCW-FR
 White	ELCHSW	CH70-24MCW-FW
Chimes		
 Red	ELCHR	CH70-24-R RSS-24MCW-FR RSS-24MCWH-FR
 White	ELCHW	CH70-24-R RSS-24MCWH-FW
Multitone horns (indoor Only)		
 Red	ELMTSR	HS4-24MCW-FR MT-24MCW-AR HS4-24MCWH-FR MT-24MCW-FR MT121575-FR MT-24MCW-FR
 White	ELMTSW	MT-24MCW-FW HS4-24MCWH-FW MT-24MCW-FW MT-24MCW-NW
Multitone horns (indoor Only)		
 Red	ELMTR	HS-24-R MT4-115-R MT-12/24-R MT4-12/24-R MT-12/24-R
 White	ELMTW	MT-12/24-W MT4-115-S (Grey) HS-24-W

Ceiling Mount Products	New Models	Legacy Models
Chime strobes		
 Red	ELCHSRC	CH90-24MCC-FR
 White	ELCHSWC	CH90MCC-FW CH90MCCH-FW
Chimes		
 Red	ELCHRC	CH90-24-R
 White	ELCHWC	CH90-24-W
Multitone Horn Strobes		
 Red	ELMTSRC	HS4-24MCC-FR HS4-24MCCH-FR
 White	ELMTSWC	HS4-24MCC-FW HS4-24MCCH-FW

Eluxa model number configurator

Product Type	Models	Color & Mounting	Special lettering	Colored lens
Horns	ELHN	R = Red, Wall	A = AGENT	A = Amber
Strobes	ELST	RC = Red, Ceiling	AL = ALERT	B = Blue
Horns strobes	ELHS	W = White, Wall	CO - CO (Carbon Monoxide)	
Speakers	ELSPK	WC + White, Ceiling	EV = Evaluate	
Speaker strobes	ELSPST		M = Emergency	
Low frequency sounders	ELFHN		N = No lettering	
Low frequency sounders strobes	ELFHS			
Chimes	ELCH			
Chimes strobes	ELCHS			
Multitone horns	ELMT			
Multitone horns strobes	ELMTS			

Example: E L S T W - A L A

Eluxa strobe

White wall

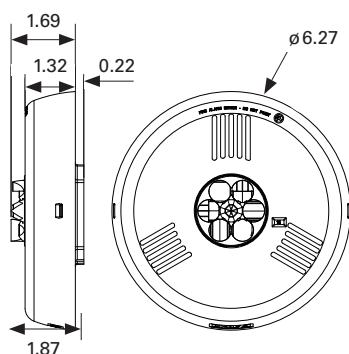
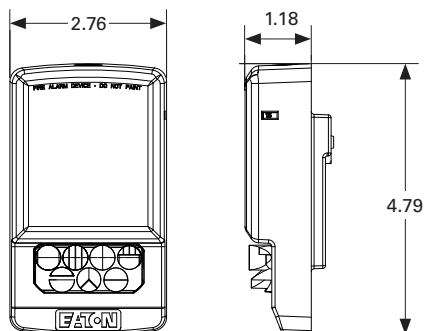
ALERT

Amber lens



Eluxa Strobes

Wall and Ceiling Strobes



Eluxa Wall and Ceiling Strobes

Available features and options:

- LED technology provides one of the industry's lowest current draws for a combined high and low candela device.
- Sleek, modern, low profile design
- 6 candela settings in 1 device

Finish Color: Red or White

Mounting: Wall or Ceiling

Voltage: 24 VDC

Strobe Candela:

- Wall: 15/30/75/110/135/185 cd
- Ceiling: 15/30/75/110/150/177 cd

Backbox Mounting Options:

- Wall: Eluxa ELSBB, any single-gang backbox and to 4" square with adapter kit
- Ceiling: LSPKBB-C backboxes, 4" square (1-1/2" or 2-1/8" deep) and 4" octagonal (1-1/2" or 2-1/8" deep)

Approvals: UL, ULC, CSFM, FM

UL Max. Current

24 VDC

Model	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
UL/ULC Max Current									
ELST	16.0–33.0	0.022	0.030	0.060	0.086	0.125	–	–	0.185
ELSTC	16.0–33.0	0.022	0.030	0.060	0.086	–	0.125	0.185	–

Wall Mount Strobes

Model Number	Finish	Lettering
ELSTR	Red	FIRE
ELSTW	White	FIRE
ELSTR-A	Red	AGENT
ELSTW-A	White	AGENT
ELSTR-AL	Red	ALERT
ELSTW-AL	White	ALERT
ELSTR-N	Red	No Lettering
ELSTW-N	White	No Lettering
ELSTW-EV	White	EVACUATE

Mounting Options: QQ

Ceiling Mount Strobes

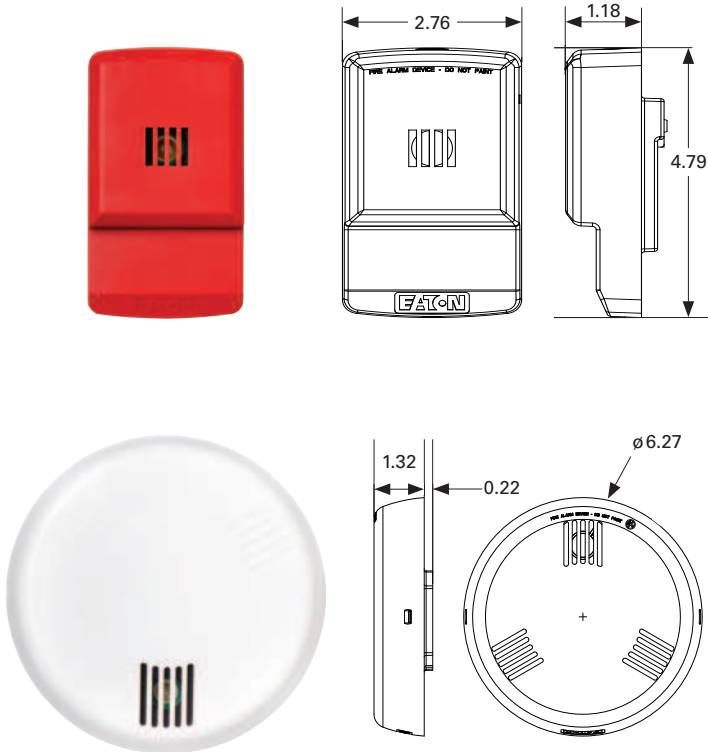
Model Number	Finish	Lettering
ELSTRC	Red	FIRE
ELSTWC	White	FIRE
ELSTRC-AL	Red	ALERT
ELSTWC-AL	White	ALERT
ELSTWC-EV	White	EVACUATE

Mounting Options: OO



Eluxa Horns / Horn Strobes

Wall and Ceiling Horns



Wall Mount Horns

Model Number	Finish
ELHNR	Red
ELHNW	White

Mounting Options: QQ

Ceiling Mount Horns

Model Number	Finish
ELHNRC	Red
ELHNWC	White

Mounting Options: OO

Eluxa Wall and Ceiling Horns

Available features and options:

- Superior sound penetration for various ambient and room conditions
- 3 horn patterns: Continuous, T3, and T3/T4; Fire and CO signaling
- Sound pressure (Anechoic) dBA: Low 86, High 91 (for Continuous, T3, and T4)

Finish Color: Red or White

Mounting: Wall or Ceiling

Voltage: 12/24 VDC

Backbox Mounting Options:

- Wall: Eluxa ELSBB, any single-gang backbox and to 4" square with adapter kit
- Ceiling: LSPKBB-C backboxes and 4" square (1-1/2" or 2-1/8" deep)

Approvals: UL, ULC, CSFM, FM

Horn Ratings per UL Anechoic

Model	Regulated Voltage Range VDC	High dB	Low dB
ELHN	16.0–33.0	0.028	0.021
ELHNC	16.0–33.0	0.028	0.021
ELHN	8.0–17.5	0.025	0.020
ELHNC	8.0–17.5	0.025	0.020

Horns & Horn Strobes

Wall and Ceiling Horn Strobes



Eluxa Wall and Ceiling Horn Strobes

Available features and options:

- Superior sound penetration for various ambient and room conditions
- 3 horn patterns: Continuous, T3, and T3/T4; Fire and CO signaling
- Sound pressure (Anechoic) dBA: Low 86, High 91 (for Continuous, T3, and T4)
- 6 Selectable candela settings

Finish Color: Red or White

Mounting: Wall or Ceiling

Voltage: 24 VDC

Strobe Candela:

- Wall: 15/30/75/110/135/185 cd
- Ceiling: 15/30/75/110/150/177 cd

Backbox Mounting Options:

- Wall: ELSBB, any single-gang backbox and to 4" square with adapter kit
- Ceiling: LSPKBB-C backboxes and 4" square (1-1/2" or 2-1/8" deep)

Approvals: UL, ULC, CSFM, FM

Wall Mount Horn Strobes

Model Number	Finish	Lettering
ELHSR	Red	FIRE
ELHSW	White	FIRE
ELHSR-A	Red	AGENT
ELHSW-A	White	AGENT
ELHSW-AL	White	ALERT
ELHSR-N	Red	No Lettering
ELHSW-N	White	No Lettering
ELHSW-EV	White	EVACUATE

Mounting Options: QQ

Ceiling Mount Horn Strobes

Model Number	Finish	Lettering
ELHSRC	Red	
ELHSWC	White	
ELHSRC-N	Red	No Lettering
ELHSWC-N	White	No Lettering

Mounting Options: OO

Horn Strobe Ratings per UL 1971 & Anechoic at 24 VDC

Eluxa Horn Strobes		24 VDC							
Model Number	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
UL/ULC Max Current at Anechoic High dBA									
ELHS	16.0–33.0	0.037	0.046	0.077	0.109	0.146	–	–	0.208
ELHSC	8.0–33.0	0.037	0.046	0.077	0.109	–	0.146	0.208	–
UL/ULC Max Current at Anechoic Low dBA									
ELHS	16.0–33.0	0.030	0.039	0.070	0.102	0.139	–	–	0.201
ELHSC	8.0–33.0	0.030	0.039	0.070	0.102	–	0.139	0.201	–



Eluxa Speakers/ Speaker Strobes

Eluxa High Fidelity Speakers and Speaker Strobes



With the widest frequency response range available, our speakers provide crisp, clear voice messages

Designed for high-fidelity sound output, the Wheelock Eluxa speakers by Eaton not only features the widest frequency response range in the industry, but also an advanced power-saving LED technology with a full range of candela settings for indoor wall and ceiling-mount applications. With a response range of 300 to 8000 Hz, the Eluxa ELSPK and ELSPST feature leading intelligibility with crisp, clear voice messages and tone signaling, ideal for emergency communications, mass notification, voice evacuation and fire alarm.

Eaton's high energy-efficient technology provides one of the industry's lowest current draw, which reduces overall power consumption and costs in fire alarm systems. As the first notification appliances in the industry to utilize LED as the light source, this breakthrough and patented optical design, resulting in best-in-class efficiency, enables material and system cost savings, allowing for a greater number of appliances on the notification appliance circuit and fewer power supplies.

With the industry's smallest footprint, the Eluxa speakers and speaker strobes are aesthetically pleasing to building owners as the low profile design does not detract from the interior decor. Eluxa is feature-rich rich with 6 candela settings in 1 device, dual voltage (25/70 VRMS) capability, field selectable taps from 1/8 to 2 watts (5W - 70V), pre-wire/pre-test via mounting plate with hinged feature for ease-of-installation, and no tools needed for setting changes. These products are suitable for indoor wall and ceiling mount applications. The ELSPST speaker strobes and ELSPK speakers are 24V operation. Amber lens speaker strobes and special lettering are available.

High-fidelity sound output

- Efficient design for high intelligibility at minimum wattage
- Frequency range: 300 to 8000 HZ—widest range in the industry

Energy efficient

- LED technology provides one of the industry's lowest current draws for a combined high and low candela device.
- Fewer power supplies required, smaller wire gauge, reduced wire runs

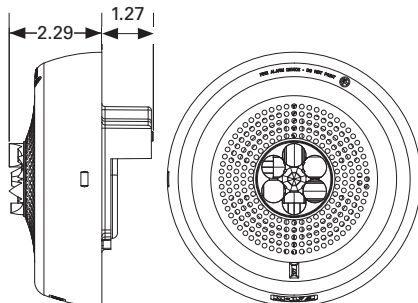
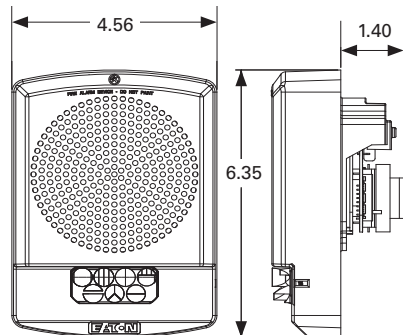
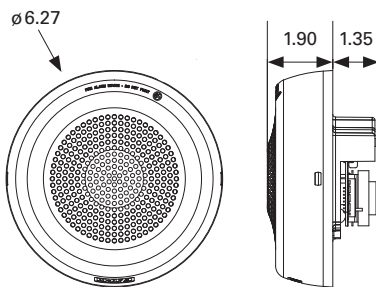
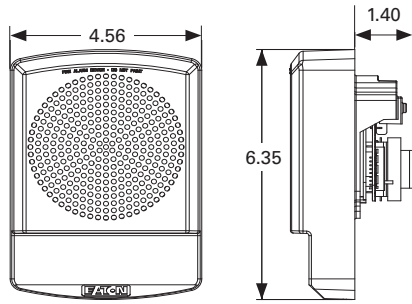
Low-profile design

- One of the smallest footprints with sleek, modern aesthetics

Easy to install

- Mounting plate included with all models: Convenient capture hinge allows installers to easily hold the device while fastening the single-mount screw in place
- Pre-wire/pre-test capability to check for wiring and ground faults prior to appliance installation
- Finger slide switches—no tools needed for setting changes
- Built-in adjustment feature and snap-on grille

Speaker and Speaker Strobes



Eluxa High-Fidelity Speakers and Speaker Strobes

Available features and options:

- High-fidelity sound output
- High intelligibility with a frequency range—300 to 8000 HZ—widest range in the industry
- Low frequency requirements of UL 464 (520 Hz) to meet NFPA's 520 Hz tone requirements for sleeping areas

Finish Color: Red or White

Mounting: Wall or Ceiling

Special Lettering

Input Voltage: Selectable 25/70 VRMS

Selectable Taps: 1/8–2 Watts (5W - 70V)

Strobe Candela:

- Wall: Selectable 15/30/75/110/135/185cd
- Ceiling: Selectable 15/30/75/110/150/177cd

Backbox Mounting Options:

- Wall: ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes
- Ceiling: LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes

Approvals: UL, ULC, CSFM, FM

Wall Mount Speakers

Model Number	Finish	Lettering
ELSPKR	Red	FIRE
ELSPKW	White	FIRE
ELSPKR-AL	Red	ALERT
ELSPKW-AL	White	ALERT
ELSPKR-N	Red	No lettering
ELSPKW-N	White	No lettering

Mounting Options: RR

Wall Mount Speaker Strobes

Model Number	Finish	Lettering
ELSPSTR	Red	FIRE
ELSPSTW	White	FIRE
ELSPSTR-AL	Red	ALERT
ELSPSTW-AL	White	ALERT
ELSPSTR-N	Red	No lettering
ELSPSTW-N	White	No lettering
ELSPSTR-M	Red	EMERGENCY
ELSPSTW-M	White	EMERGENCY

Mounting Options: NN

Ceiling Mount Speakers

Model Number	Finish	Lettering
ELSPKRC	Red	FIRE
ELSPKWC	White	FIRE
ELSPKRC-AL	Red	ALERT
ELSPKWC-AL	White	ALERT
ELSPKRC-N	Red	No lettering
ELSPKWC-N	White	No lettering

Mounting Options: OO

Ceiling Mount Speaker Strobes

Model Number	Finish	Lettering
ELSPSTRC	Red	FIRE
ELSPSTWC	White	FIRE
ELSPSTRC-AL	Red	ALERT
ELSPSTWC-AL	White	ALERT

Mounting Options: OO

UL Max. Current

16.0–33.0 VDC

Model	15cd	30cd	75cd	110cd	135cd	150cd	177cd	185cd
ELSPST	0.022	0.030	0.060	0.086	0.125	—	—	0.185
ELSPSTC	0.022	0.030	0.060	0.086	—	0.125	0.185	—

UL Reverberant dBA @ 10 Feet

Model	Watts				
	1/8	1/4	1/2	1	2 (5W - 70V)
ELSPK	75	79	82	85	87
ELSPST	75	79	82	85	87
ELSPKC	75	79	82	85	87
ELSPST	75	79	82	85	87



Eluxa Low Frequency



Sleeping just got a little more sound

Eluxa low frequency sounders
110 and 177 candela in 1 device

Meet sleeping room code requirements with Eluxa low frequency sounders and sounder strobes.

Eaton offers low frequency sounder models with both low (110) and high (177) candela settings in 1 device to meet NFPA sleeping room requirements for hotels, motels, dormitories, and apartment buildings. Eluxa low frequency sounders can also provide alarm signals for dual applications - T3 (Fire) and T4 (CO) tones.

Learn more about Eaton's latest solutions by calling us today, (800) 631-2148, or email LifeSafety@Eaton.com.

Eaton.com/Lifesafetynotification

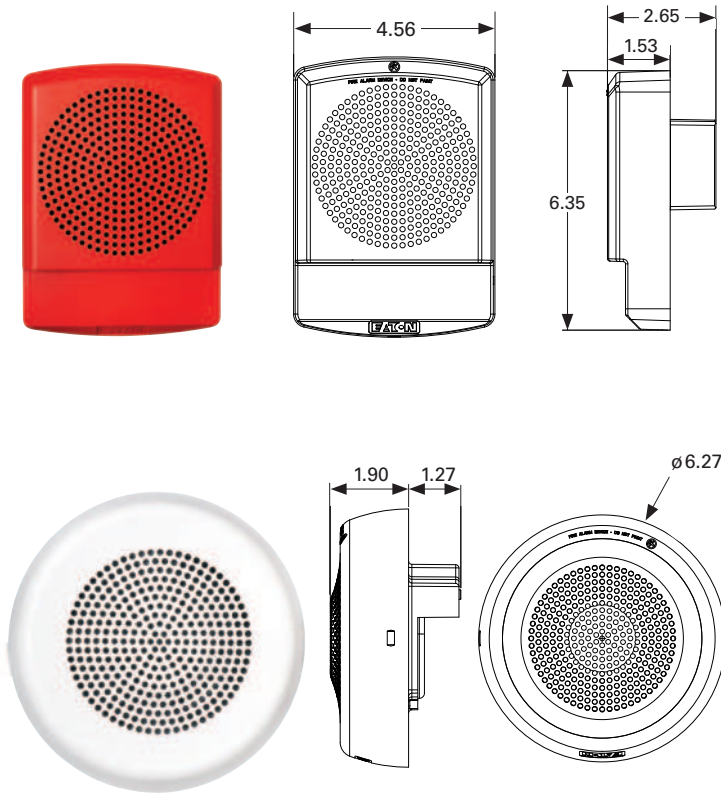


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Wall Sounders



Wall Mount Horns

Model Number	Finish	Lettering
ELFHNH	Red	FIRE
ELFHNW	White	FIRE
ELFHNH-AL	Red	ALERT
ELFHNW-AL	White	ALERT
ELFHNH-CO	Red	CO
ELFHNW-CO	White	CO
ELFHNH-N	Red	No Lettering
ELFHNW-N	White	No Lettering

Mounting Options: RR

Ceiling Mount Sounders

Model Number	Finish	Lettering
ELFHNRC	Red	FIRE
ELFHNWC	White	FIRE
ELFHNRC-AL	Red	ALERT
ELFHNWC-AL	White	ALERT
ELFHNRC-CO	Red	CO
ELFHNWC-CO	White	CO
ELFHNRC-N	Red	No Lettering
ELFHNWC-N	White	No Lettering

Mounting Options: OO

Eluxa Low Frequency Sounders

Available features and options:

- Meets both NFPA 72 low frequency sounder requirements for sleeping areas
- One device includes 2 sound patterns: T3 (fire) and T4 (CO)
- Multiple 520Hz modes of operations
- ELFHN and ELFHNC sounder models can be used for both wall and ceiling-mount applications

Finish Color: Red or White

Mounting: Wall or Ceiling

Voltage: 24 VDC

Backbox Mounting Options: ELSPKBB backboxes, single-gang backboxes and 4" square backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models

Approvals: UL, ULC, CSFM, FM

Sounder Only Current Draw

Model	Horn Settings	UL/ULC Max Current
		24VDC
ELFHN/ELFHNC	Continuous	0.098
	Code 3	0.098
	Code 3/Code 4	0.098

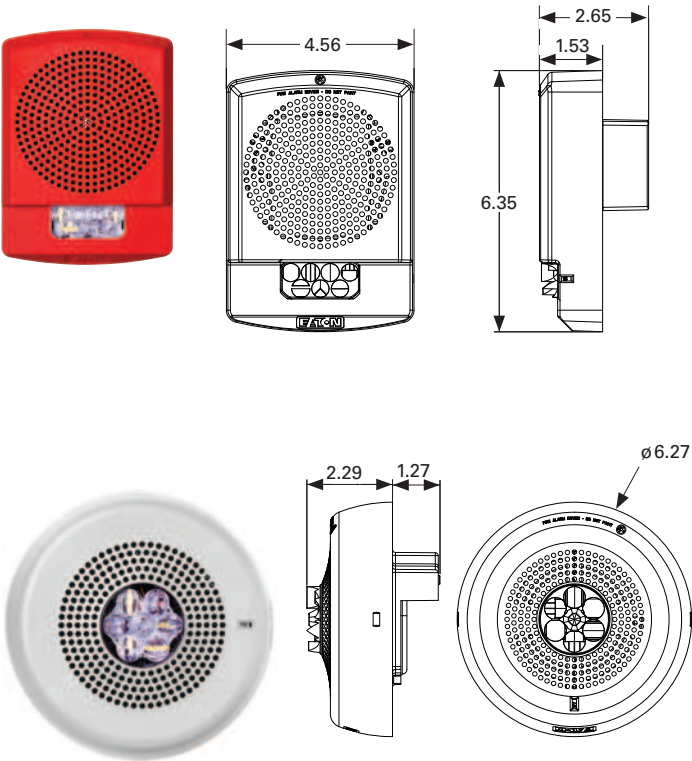
Sound Output (SPL) - UL

Description	16.0V	24.0V	33.0V
Continuous	80	80	80
Code 3	80	80	80
Code 3/Code 4	80	80	80

Sound Output (SPL) - ULC

Description	16.0V	24.0V	33.0V
Continuous	85	85	85
Code 3	85	85	85
Code 3/Code 4	85	85	85

Wall Sounder Strobes



Wall Mount Sounder Strobes

Model Number	Finish	Lettering
ELFHSR	Red	FIRE
ELFHSW	White	FIRE
ELFHSR-AL	Red	ALERT
ELFHSW-AL	White	ALERT
ELFHSR-CO	Red	CO
ELFHSW-CO	White	CO
ELFHSR-N	Red	No Lettering
ELFHSW-N	White	No Lettering

Mounting Options: RR

Ceiling Mount Sounders

Model Number	Finish	Lettering
ELFHSRC	Red	FIRE
ELFHSWC	White	FIRE
ELFHSRC-AL	Red	ALERT
ELFHSWC-AL	White	ALERT
ELFHSRC-CO	Red	CO
ELFHSWC-CO	White	CO
ELFHSRC-N	Red	No Lettering
ELFHSWC-N	White	No Lettering

Mounting Options: 00

Eluxa Low Frequency Sounder Strobes

Available features and options:

- Meets both NFPA low frequency sounder requirements for sleeping areas
- One device includes 2 sound patterns: T3 (fire) and T4 (CO)
- Multiple 520Hz modes of operations
- Both low (110 cd) and high (177 cd) candela settings in a single device

Finish Color: Red or White

Mounting: Wall or Ceiling

Candela: 110, 177

Voltage: 24 VDC

Backbox Mounting Options: ELSPKBB backboxes, single-gang backboxes and 4" square backboxes for wall models and LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes for ceiling models

Approvals: UL, ULC, CSFM, FM

Wall Mount Sounder Strobes

		UL/ULC Max Current	
		24VDC	
Model	Horn Settings	16.0-33.0 110cd	16.0-33.0 177cd
ELFHS/ELFHSC	Continuous	0.164	0.256
	Code 3	0.164	0.256
	Code 3/Code 4	0.164	0.256

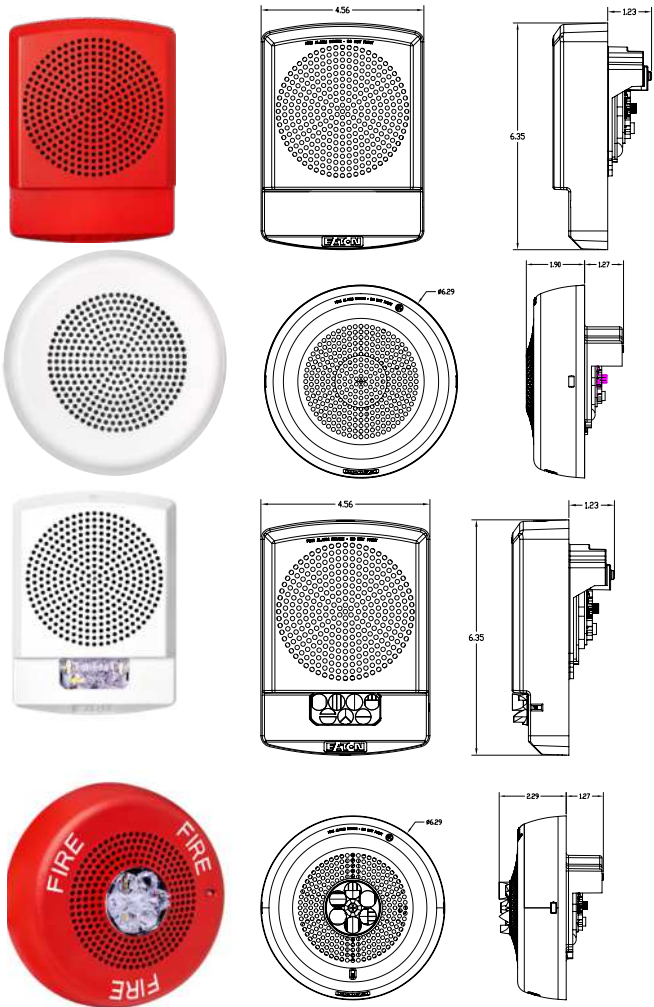
Reverberant dBA per UL 464			
ELFHS/ELFHSC 24V			
Description	16.0V	24.0V	33.0V
Continuous	80	80	80
Code 3	80	80	80
Code 3/Code 4	80	80	80

dBA per ULC S525-07			
ELFHS/ELFHSC			
Description	16.0V	24.0V	33.0V
Continuous	85	85	85
Code 3	85	85	85
Code 3/Code 4	85	85	85



Eluxa Chimes and Chime Strobes

Wall Chime Strobes



Wall Mount Sounder Strobes

Model Number	Finish	Lettering
ELCHSR	Red	FIRE
ELCHSW	White	FIRE

Mounting Options: RR

Ceiling-Mount Chime Strobes

Model Number	Finish	Lettering
ELCHSRC	Red	FIRE
ELCHSWC	White	FIRE

Mounting Options: OO

Wall-Mount Chimes

Model Number	Finish	Lettering
ELCHR	Red	FIRE
ELCHW	White	FIRE

Mounting Options: RR

Ceiling-Mount Chimes

Model Number	Finish	Lettering
ELCHRC	Red	FIRE
ELCHWC	White	FIRE

Mounting Options: OO

Eluxa Chimes and Chime Strobes

Available features and options:

- Ideal for hospital and institutional applications
- Anechotic sound level: up to 78 dB
- 890 Hz preset tone
- Operation modes: 1 Hz, 2 Hz, Coded, or Temporal 3 (T3)
- 6 Selectable candela settings

Finish Color: Red or White

Mounting: Multiple selections

Voltage: 24 VDC

Strobe Candela:

- Wall: 15/30/75/110/135/185 cd
- Ceiling: 15/30/75/110/150/177 cd

Backbox Mounting Options:

- Wall: ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes
- Ceiling: LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes

Approvals: UL, ULC, CSFM, FM

Strobe ratings

		UL/ULC Max Current ^a							
		24VDC							
Model	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
ELCHS	16.0-33.0	0.022	0.030	0.060	0.086	0.125			
ELCHSC	16.0-33.0	0.022	0.030	0.060	0.086		0.125	0.185	0.185

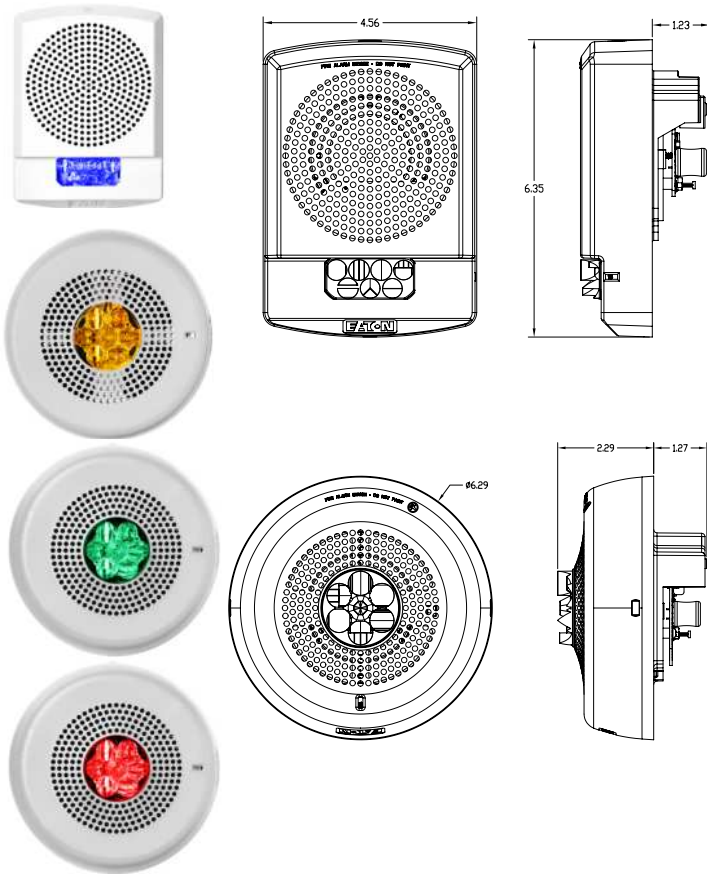
Chime dBA Ratings

		Peak dBA @ 10 ft. anechoic		dBA @ 10 ft reverberant	
Model	Sound Level	MIN		MAX	
ELCH chime	80	51		68	
ELCHS chime strobe	80	51		68	



Eluxa Colored Lens Appliances

Colored Lens Multitone Horn Strobes



Eluxa Colored Lens Multitone Horn Strobes

Available features and options:

- 8 signals in 1 device to provide superior sound penetration for various ambient conditions
- 2 field selectable sound output levels: Standard and High
- LED technology provides one of the industry's lowest current draws for a combined high and low candela device.
- 6 candela settings in 1 device

Finish Color: Red or White

Lens Color: Amber, Blue, Green, or Red

Mounting: Wall or Ceiling

Lettering: FIRE or no lettering

Voltage: 24 VDC

Strobe Candela:

Amber lens

- Wall: 15/30/75/110/135/185
- Ceiling: 15/30/75/110/150/177
- Blue and Red lens Wall: 5/10/20/30/40/50
- Blue lens Ceiling: 5/12/30/40/50/65
- Red and Green Lens Ceiling – 4/8/18/25/35/45 cd

Backbox Mounting Options:

- Wall: ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes
- Ceiling: LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes

Approvals: UL, ULC, CSFM, FM

Specification & Ordering Information

Model	Strobe Candela	Lens color	Red	White	Lettering	Wall/Ceiling	Sync w/ DSM or Wheelock Power Supplies
Multitone strobes							
ELMTSW-NA	15/30/75/110/135/185	Amber		X	No lettering	Wall	X
ELMTSWC-NA	15/30/75/110/150/177	Amber		X	No lettering	Ceiling	X
ELMTSW-NB	5/10/20/30/40/50	Blue		X	No lettering	Wall	X
ELMTSWC-NB	5/12/30/40/50/65	Blue		X	No lettering	Ceiling	X
ELMTSR-NR	5/10/20/30/40/50	Red	X		No lettering	Wall	X
ELMTSR-NR	5/10/20/30/40/50	Red		X	No lettering	Wall	X
ELMTSWC-NR	4/8/18/25/35/45 cd	Red		X	No lettering	Ceiling	X
ELMTSWC-NG	4/8/18/25/35/45 cd	Green		X	No lettering	Ceiling	X
ELMTSW-NG							
ELMTSW-NR							
Backboxes							
ELSPKBB-R			X			Wall	
ELSPKBB-W				X		Wall	
LSPKBB-CW				X		Ceiling	

Mounting options for ceiling models: 00

Mounting options for wall models: RR

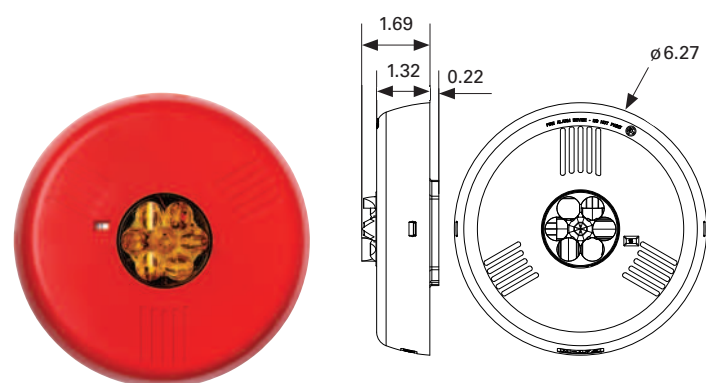
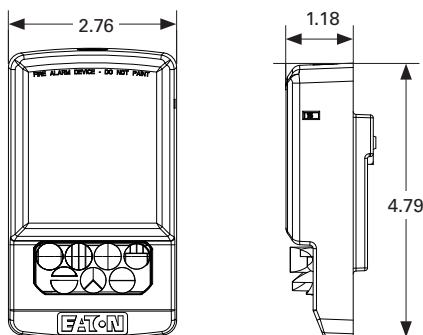
Strobe ratings

UL/ULC Max Current ^a

24VDC

Amber lens Model	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185					
ELMTS-NA	16.0-33.0	0.022	0.030	0.060	0.086	0.125								
ELMTSC-NA	16.0-33.0	0.022	0.030	0.060	0.086		0.125	0.185	0.185					
Blue lens Model	Regulated Voltage Range VDC	4	5	8	10	12	20	25	30	35	40	45	50	65
ELMTS-B/R	16.0-33.0		0.022		0.030		0.060		0.086		0.125		0.185	
ELMTSC-B	16.0-33.0		0.022			0.030			0.060		0.086		0.125	0.185
ELMTSC-R/G	16.0-33.0	0.022		0.030		0.060		0.086		0.125		0.185		

Amber Lens Strobes



UL Max. Current

24 VDC

Amber lens	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
UL/ULC Max Current									
ELST-A	16.0–33.0	0.022	0.030	0.060	0.086	0.125	–	–	0.185
ELSTC-A	16.0–33.0	0.022	0.030	0.060	0.086	–	0.125	0.185	–

24 VDC

Blue lens	Regulated Voltage Range VDC	5	10	12	20	30	40	50	65
UL/ULC Max Current									
ELST-B	16.0–33.0	0.022	0.030	–	0.060	0.086	0.125	0.185	–
ELSTC-B	16.0–33.0	0.022	–	0.030	–	0.060	0.086	0.125	0.185

Wall Mount Strobes

Model Number	Finish	Lens Color	Lettering
ELSTR-ALA	Red	Amber	ALERT
ELSTW-ALA	White	Amber	ALERT
ELSTR-NA	Red	Amber	No lettering
ELSTW-NA	White	Amber	No lettering
ELSTR-ALB	Red	Blue	ALERT
ELSTW-ALB	White	Blue	ALERT
ELSTR-NB	Red	Blue	No lettering
ELSTW-NB	White	Blue	No lettering

Mounting Options: QQ

Eluxa Amber and Blue Lens Strobes

Available features and options:

- LED technology provides one of the industry's lowest current draws for a combined high and low candela device
- Sleek, modern, low profile design
- 6 candela settings in 1 device
- Ideal for mass notification and emergency communication applications

Finish Color: Red or White**Lens Color:** Amber or Blue**Mounting:** Wall or Ceiling**Special lettering:** AGENT, ALERT, No lettering**Voltage:** 24 VDC**Strobe Candela:**

Amber lens

- Wall: 15/30/75/110/135/185
- Ceiling: 15/30/75/110/150/177

Blue lens

- Wall: 5/10/20/30/40/50
- Ceiling: 5/12/30/40/50/65

Backbox Mounting Options:

- Wall: Eluxa ELSBB, any single-gang backbox and to 4" square with adapter kit
- Ceiling: Exceder LSPKBB-C backboxes, 4" square (1-1/2" or 2-1/8" deep) and 4" octagonal (1-1/2" or 2-1/8" deep)

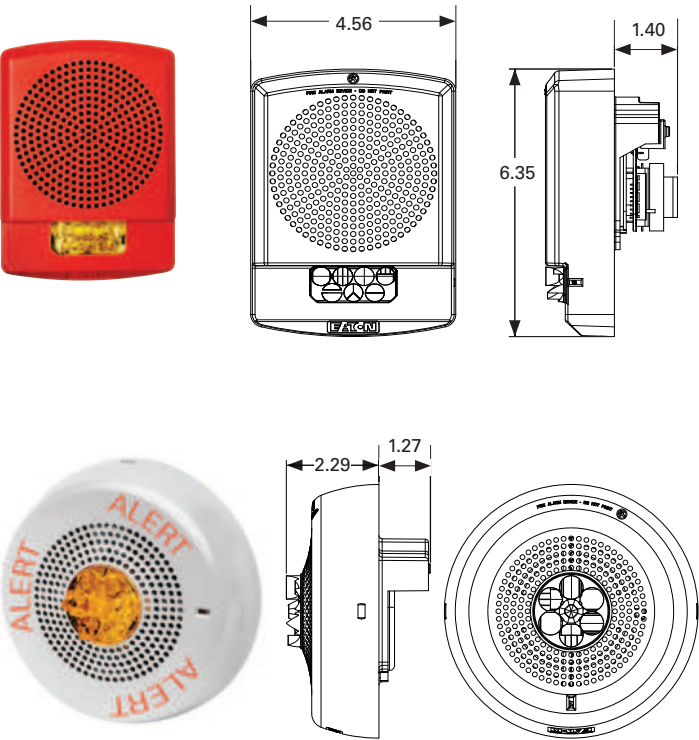
Approvals: UL, ULC, CSFM, FM

Ceiling Mount Strobes

Model Number	Finish	Lens Color	Lettering
ELSTRC-ALA	Red	Amber	ALERT
ELSTWC-ALA	White	Amber	ALERT
ELSTRC-NA	Red	Amber	No lettering
ELSTWC-NA	White	Amber	No lettering
ELSTRC-ALB	Red	Blue	ALERT
ELSTWC-ALB	White	Blue	ALERT
ELSTRC-NB	Red	Blue	No lettering
ELSTWC-NB	White	Blue	No lettering

Mounting Options: OO

Speaker Strobes



Wall Mount Speaker Strobes

Model Number	Finish	Lettering
ELSPSTR-ALA	Red	ALERT
ELSPSTW-ALA	White	ALERT
ELSPSTW-NA	Red	No Lettering
ELSPSTR-NA	White	No Lettering

Mounting Options: RR

Ceiling Mount Speaker Strobes

Model Number	Finish	Lettering
ELSPSTRC-ALA	Red	ALERT
ELSPSTWC-ALA	White	ALERT
ELSPSTRC-NA	Red	No Lettering
ELSPSTWC-NA	White	No Lettering

Mounting Options: OO

Eluxa High-Fidelity Amber Lens Speaker Strobes

Available features and options:

- High-fidelity sound output
- High intelligibility with a frequency range—300 to 8000 HZ—widest range in the industry
- Ideal for mass notification applications

Finish Color: Red or White

Mounting: Wall or Ceiling

Amber Lens and Special Lettering

Input Voltage: Selectable 25/70 VRMS

Selectable Taps: 1/8–2 Watts (5W - 70V)

Strobe Candela:

- Wall: Selectable 15/30/75/110/135/185 cd
- Ceiling: Selectable 15/30/75/110/150/177 cd

Backbox Mounting Options:

- Wall: ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes
- Ceiling: LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes

Approvals: UL, ULC, CSFM, FM

UL Max. Current

16.0–33.0 VDC								
Model	15cd	30cd	75cd	110cd	135cd	150cd	177cd	185cd
ELSPST	0.022	0.030	0.060	0.086	0.125	—	—	0.185
ELSPSTC	0.022	0.030	0.060	0.086	—	0.125	0.185	—

UL Reverberant dBA @ 10 Feet

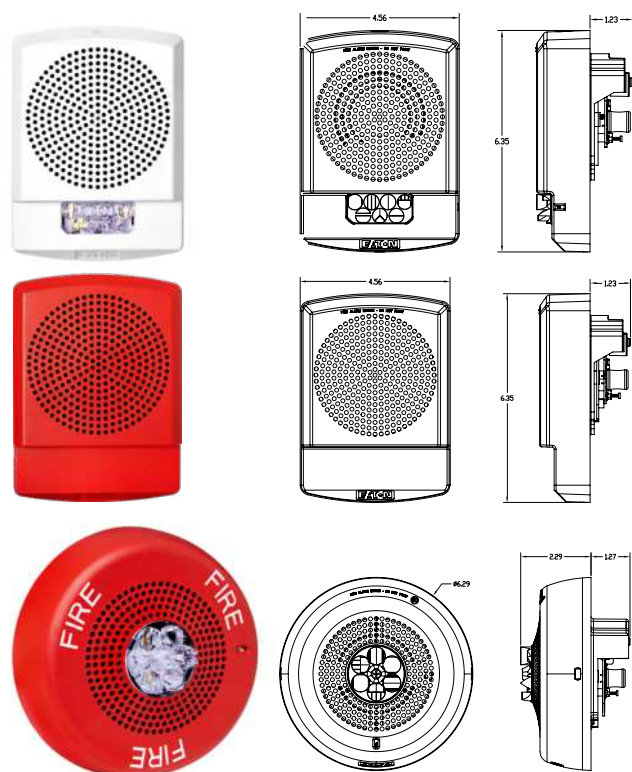
Model	Watts				
	1/8	1/4	1/2	1	2 (5W- 70V)
ELSPST	75	79	82	85	87
ELSPSTC	75	79	82	85	87



Eluxa Multitones Horns and Horn Strobes

Horns & Horn Strobes

Multitone and Multitone Strobes



Wall-mount multitone horn strobes

Model Number	Finish	Lettering
ELMTSR	Red	FIRE
ELMTSW	White	FIRE
ELMTSR-N	Red	No lettering
ELMTSW-N	White	No lettering

Mounting Options: RR

Ceiling-mount multitone horn strobes

Model Number	Finish	Lettering
ELMTSRC	Red	FIRE
ELMTWC	White	FIRE

Mounting Options: OO

Wall or ceiling-mount multitone horns

Model Number	Finish	Lettering
ELMTR	Red	No lettering
ELMTW	White	No lettering

Mounting Options: RR

Maximum RMS current for audibles

Alarm Tones	Wall 24 VDC		Ceiling 12 VDC	
	HI Output	STD Output	HI Output	STD Output
Horn	0.108	0.044	0.177	0.034
Bell	0.053	0.024	0.095	0.020
March Time Horn	0.104	0.087	0.142	0.034
Code-3 Horn	0.122	0.035	0.200	0.034
Code-3 Tone	0.135	0.035	0.152	0.021
Slow Whoop	0.098	0.037	0.142	0.035
Siren	0.104	0.036	0.152	0.030
HI/LO	0.057	0.025	0.114	0.026

Eluxa Multitone Horns and Horn Strobes

Available features and options:

- 8 signals in 1 device to provide superior sound penetration for various ambient conditions
- 2 field selectable sound output levels: Standard and High
- 6 Selectable candela settings

Finish Color: Red or White

Mounting: Wall or Ceiling

Voltage: 24 VDC

Backbox Mounting Options:

- Wall: ELSPKBB backboxes and 4" square, 2 1/8" deep backboxes
- Ceiling: LSPKBB-C backboxes and 4" square, 2 1/8" deep backboxes

Approvals: UL, ULC, CSFM, FM

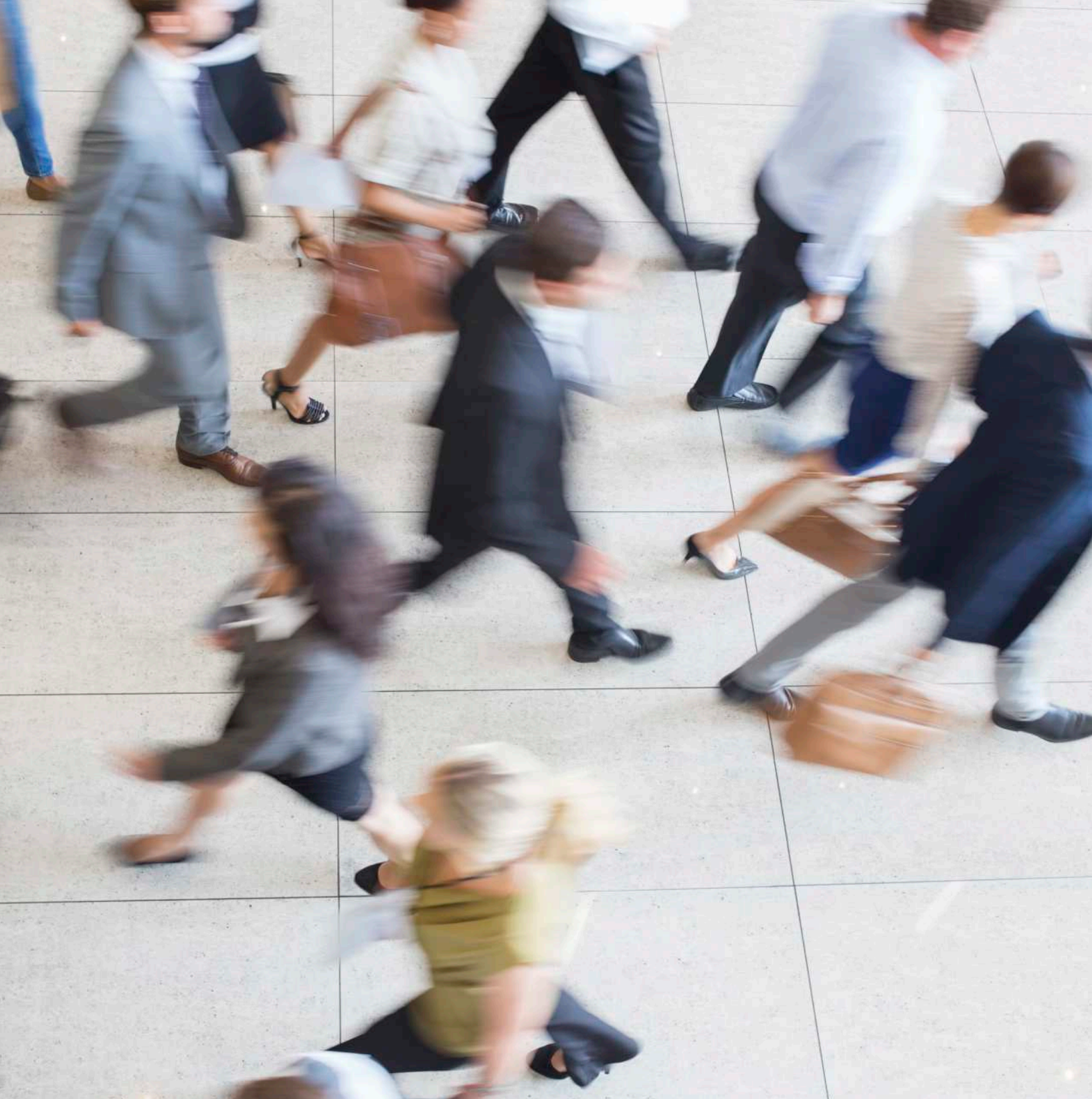
Strobe ratings

		UL/ULC Max Current ^a							
		24VDC							
Model	Regulated Voltage Range VDC	15	30	75	110	135	150	177	185
ELMTS	16.0-33.0	0.022	0.030	0.060	0.086	0.125			0.185
ELMTSC	16.0-33.0	0.022	0.030	0.060	0.086		0.125	0.185	

dBA for Multitone Audible Portion

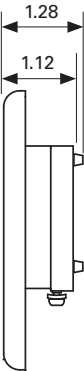
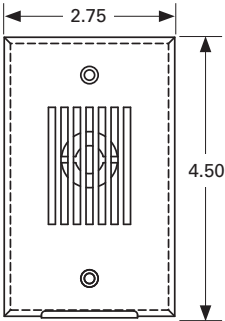
Alarm Tones	Wall UL Reverberant dBA at 10 Feet				Ceiling	
	24 VDC		12 VDC (ELMT)		24 VDC	
	HI Output	STD Output	HI Output	STD Output	HI Output	STD Output
Horn	91	86	91	76	86	80
Bell	83	76	82	67	80	72
March Time Horn	88	83	88	73	82	77
Code-3 Horn	87	82	87	72	81	76
Code-3 Tone	85	80	85	70	79	74
Slow Whoop	90	84	89	73	85	79
Siren	89	84	89	74	85	79
HI/LO	88	84	88	72	85	81

Alarm Tones	Wall ULC Anechoic dBA at 10 Feet				Ceiling	
	24 VDC		12 VDC (ELMT)		24 VDC	
	HI Output	STD Output	HI Output	STD Output	HI Output	STD Output
Horn	99	93	99	86	97	92
Bell	89	81	87	73	90	82
March Time Horn	99	93	99	85	97	92
Code-3 Horn	99	93	99	86	97	92
Code-3 Tone	95	90	91	78	92	87
Slow Whoop	99	94	99	88	99	94
Siren	98	93	98	84	98	92
HI/LO	93	88	92	72	93	88



Horn and Horn Strobes

Horns



Wall Mount Mini Horn

Model Number	Finish	Order Code
MIZ-24S-R	Red	8485
MIZ-24S-W	White	8484

Mounting Options: B

UL Max. Current

16–33 VDC
0.026

Horn Strobe Ratings per UL 1971 & Anechoic at 24 VDC

	Reverberant dBA per UL 464 @ 10 ft		Anechoic dBA @ 10 ft	
	Continuous	Code 3	Continuous	Code 3
24 VDC	83.2	78.8	87.9	87.9

MIZ Horns

Available features and options:

- High sound output with low current draw
- Ideal for alarm signaling in individual rooms, apartments, hotels, and offices

Finish Color: Red or White

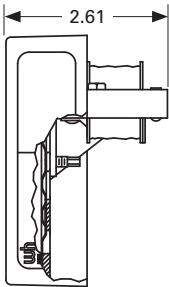
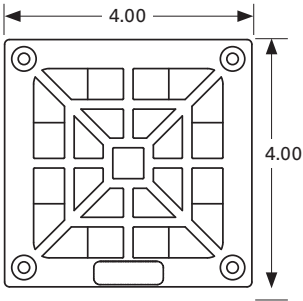
Mounting: Wall, single-gang boxes

dBA Rating: 78–87, Continuous or Code 3 Output

Voltage: 24 VDC

Approvals: UL, MEA, CSFM, FM, ULC

Electric Horn



31T Electronic Horn

Available features and options:

- Ideal for high sound output for life safety applications
- Low current draw

Finish Color: Red or Gray

Mounting: Wall or Ceiling

dBA Rating: 95

Voltage: 115 VAC

Approvals: UL, FM, CSFM

Model Number	Finish	Order Code
31T-115-R	Red	2805
31T-115-S	Gray	0521

Mounting Options: D, E, J, K, N, O, R

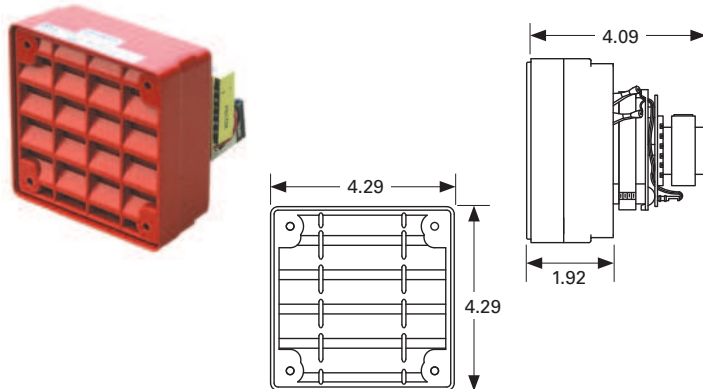
UL Max. Current

115 VAC	dBA @ 10 ft
0.160	95



Speaker and Speaker Strokes

Speakers & Speaker Strobes



ET1010/ET80 Vandal Resistant Speakers and Speaker Strobes

Available features and options:

- Sealed back speaker
- Fast installation with IN/OUT screw terminals using #12 to #18 AWG wiring
- Audio inputs include a 10 uF blocking capacitor for compatibility
- Replaceable grills
- Standard backboxes
- Strobe synchronization

Finish Color: Red or White

Mounting: Wall or Ceiling

Input Voltage: Selectable 25/70 VRMS

Selectable Taps: 1/8–8 Watts

Strobe Candela: Selectable 15/30/75/110 or 135/185, depending on model

Applications: Indoor or Outdoor (vandal resistant)

Approvals: UL, ULC, MEA, CSFM, FM, BFP, ULC

Wall or Ceiling Mount Speakers

Model Number	Finish	Order Code
ET-1010-R	Red	3135
ET-1010-W	White	3137
ET-1080-R	Red	3141
ET-1080-W	White	3142

Mounting Options: K, N, O (ET-1010) O, P, Q, Y (ET-1080)

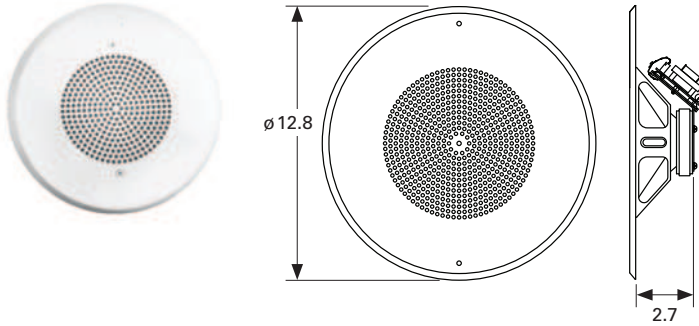
UL Max. Current: ET80 Wall Mount Speaker Strobes

16–33 VDC					
15cd	30cd	75cd	110cd	135cd	185cd
0.060	0.092	0.165	0.220	0.300	0.420

UL Reverberant dBA @ 10 ft.

Model	Watts						
	1/8	1/4	1/2	1	2	4	8
ET-1010	77	80	83	86	87	92	94
ET-1080 & ET80	78	81	84	87	90	92	94

Speakers & Speaker Strobes



S 8" Speaker

Available features and options:

- Multicandela or high intensity
- High efficiency sound output
- Low frequency requirements of UL 464 (520 Hz) to meet NFPA's 520 Hz tone requirements for sleeping areas

Finish Color: White

Mounting: Ceiling

Frequency range: 200 Hz to 15000 Hz ; 400 Hz to 4000 Hz (UL)

Input Voltage: Selectable 25/70 VRMS

Selectable Taps: 1/8–8 Watts

Grills: Round, Metal

Approvals: UL, MEA, CSFM, FM, BFP, ULC

Ceiling Mount Speaker

Model Number	Finish	Order Code
S8-70/25	White	0052

Mounting Options: CBB-8 Speaker Back Box (3314)
SSB-8 Speaker Support Bridge (3573)

UL Max. Current

16–33 VDC

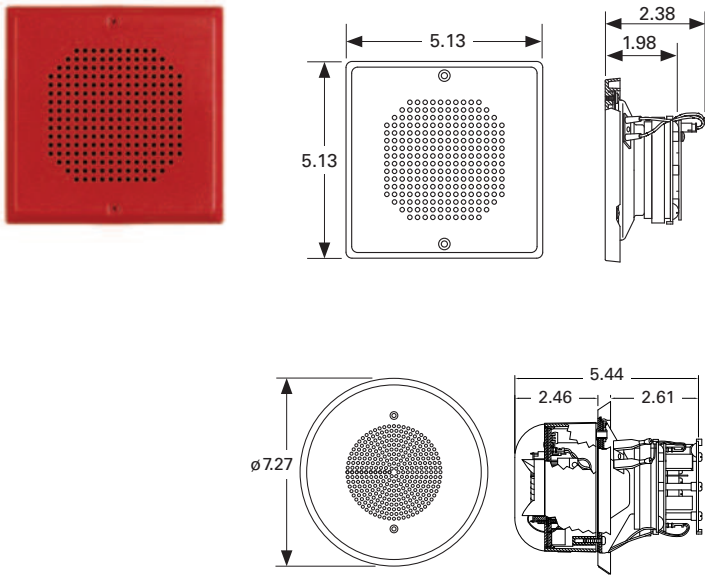
15cd	30cd	75cd	95cd	115cd	177cd
0.065	0.105	0.189	0.249	0.300	0.420

UL Reverberant dBA @ 10 ft.

Watts

1/8	1/4	1/2	1	2	4	8
75	78	81	84	87	90	93

Speakers & Speaker Strobes



Series **SA-S** Self Amplified Speakers

Available features and options:

- Ideal for SCIF (Sensitive Compartmented Information Facilities) applications
- Mounts onto a 4" square deep backbox with an extension ring and SBB surface backbox
- 1 Watt high efficiency speaker

Finish Color: Red or White

Mounting: Wall or Ceiling

Power Input Voltage: 16.0–33.0 VDC, regulated

Appliance Input Level: 0.5 VRM or 25 VRMS

Appliance Input Impedance:

- 0.5 Setting: greater than 400 Ohms or equivalent to less than 1/1000 W (0.001 W or 1 mW) load
- 25V Setting: greater than 20 kOhms or equivalent to less than 1/32 W (0.03125 W or 31.25 mW) load

Approvals: UL, ULC

Wall or Ceiling Speakers

Model Number	Finish	Order Code
Square		
SA-S70-R	Red	1002
SA-S70-W	White	1003
Round		
SA-S90-R	Red	1000
SA-S90-W	White	1001

Mounting Options: C, O, P, Q, R, U, Y

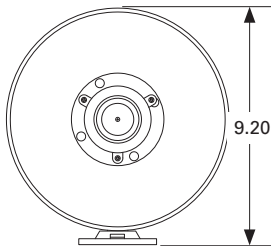
SA-S UL Reverberant dBA @ 10 ft.

Sound Level	All SA speakers UL Reverberant	SA-S70-24MCW SA-S90-24MCC Anechoic	SA-S70 SA-S90 Anechoic
6	84	95	97
5	81	92	94
4	77	89	91
3	74	86	88
2	71	83	85
1	68	81	83

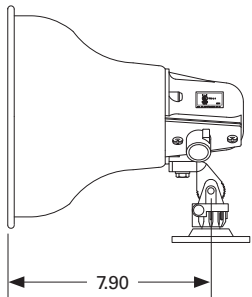


Supervised horns and cluster speakers

Horn Loudspeaker



Note: The SHMP plate is sold separately.



STH-15S Supervised Horn Loudspeaker

Available features and options:

- Equipped with compression driver providing up to 15 watts of power
- Superior intelligibility and dispersion

Finish Color: Red or Gray

Mounting: Wall or Ceiling

Power Rating: 15 Watt Continuous

Frequency Response: 400–4,000 Hz

Sensitivity: 102 dB @ 15 Watts @ 10ft

Dispersion: 70° (–6 dB @ 2,000 Hz Octave Band)

Transformer: 25/70

Approvals: UL Standard 1480, CSFM

Horns

Model Number	Finish	Order Code
STH-15S	Gray	7937
STH-15SR	Red	7938

Mounting Options: L, O, P, Q, R, U, Y

Anechoic Measurement

Code 3 Tone	101 dBA
Slow Whoop	101 dBA
Siren	101 dBA

Adapter Plate

Model Number	Finish	Order Code
SHMP-R	Red	8154

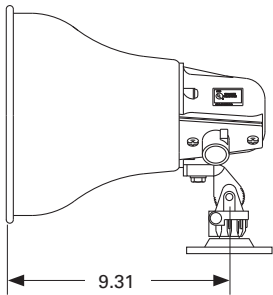
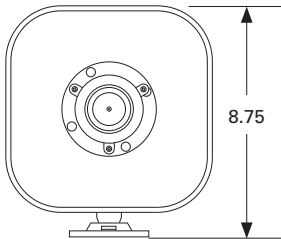
Setting	Impedance (Ohms)	70.7 Volts		25 Volts	
		Watts	dB @ 10 ft.	Watts	dB @ 10 ft.
1	5,554	0.9W	91	Not used	Not used
2	2,777	1.8W	93	Not used	Not used
3	1,315	3.8W	96	0.48W	87
4	666	7.5W	98	0.94W	90
5	333	15.0W	101	1.8W	93
6	83	Not used	Not used	7.5W	98
7	42	Not used	Not used	15.0W	100

Supervised Horns & Cluster Speakers

Horn Loudspeaker



Note: The SHMP plate is sold separately.



STH-15S-ULC Supervised Horn Loudspeaker

Available features and options:

- Equipped with compression driver providing up to 15 watts of power
- Superior intelligibility and dispersion

Finish Color: Red or Gray

Mounting: Wall or Ceiling

Power Rating: 15 Watt Continuous

Frequency Response: 400–4,000 Hz

Sensitivity: 102 dB @ 15 Watts @ 10ft

Dispersion: 70°

Transformer: 25/70

Approvals: CAN/ULC-S541-2016

Horns

Model Number	Finish	Order Code
STH-15S-ULC	Gray	8207
STH-15SR-ULC	Red	0046
SHMP-R	Red	8154

Mounting Options: L, O, P, Q, R, U, Y

Adapter Plate

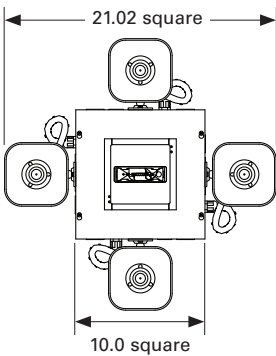
Model Number	Finish	Order Code
SHMP-R	Red	8154

Setting	Impedance (Ohms)	70.7 Volts		25 Volts	
		Watts	dB @ 10 ft.	Watts	dB @ 10 ft.
1	5,554	0.9W	93	Not used	Not used
2	2,777	1.8W	96	Not used	Not used
3	1,315	3.8W	96	0.48W	90
4	666	7.5W	99	0.94W	90
5	333	15.0W	101	1.8W	93
6	83	Not used	Not used	7.0W	99
7	42	Not used	Not used	13.9W	102

Cluster with Strobe



Available with 2, 3 or 4 STH-15S horns



STH Cluster with Eluxa LED Strobe

Available features and options:

Supervised STH Cluster supplied with 2, 3, or 4 STH-15SR speakers and one ELSTR ceiling strobe mounted to a NEMA steel enclosure

Finish Color: Red

Mounting: Ceiling

Enclosure Size: Prefabricated 10" x 10" x 6" steel enclosure

Sensitivity: 101 dB @ 15 watts @ 10 ft. per horn

Strobe Candela: Selectable 15/30/75/110/150/177

Approvals: UL Standard 1638 (Horns), UL 1971 Eluxa Strobes

Option: Wall mount and weatherproof clusters are available. Contact customer service for information.

Speaker Voltage: 25 or 70.7 VRMS

STH Cluster with Eluxa Ceiling Strobe

Model Number	Finish		Order Code
4 Horns			
STH-4R-ELSTC-F	Red	FIRE	1638
STH-4R-ELSTC-N	Red	no ltr	1641
3 Horns			
STH-3R-ELSTC-F	Red	FIRE	1639
STH-3R-ELSTC-N	Red (no ltr)	no ltr	1642
2 Horn			
STH-2R-ELSTC-F	Red	FIRE	1640
STH-2R-ELSTC-N	Red	no ltr	1643

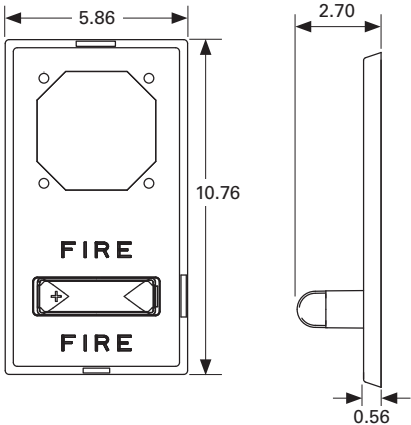
UL Max. Strobe Current

	15	30	75	110	150	177
24 VDC	0.022	0.030	0.060	0.086	0.125	0.185
24VFWR	0.036	0.050	0.092	0.142	0.196	0.274



Strobes

Strobe Plates



RSSP Strobe Plates

Available features and options:

- Designed for retrofitting existing audible appliances to strobe applications

Finish Color: Red or White

Mounting: Wall

Strobe Candela: 15/30/75/95/110 or 135/185

Approvals: UL, MEA, CSFM, FM, BFP

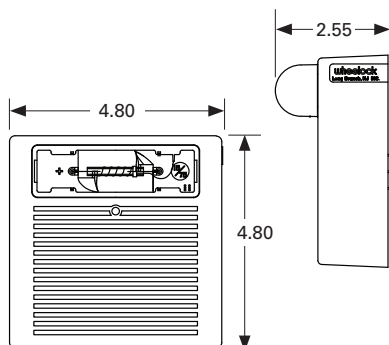
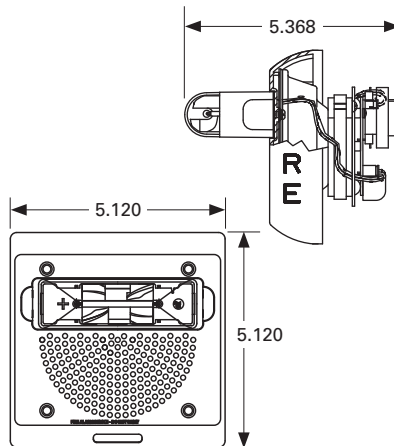
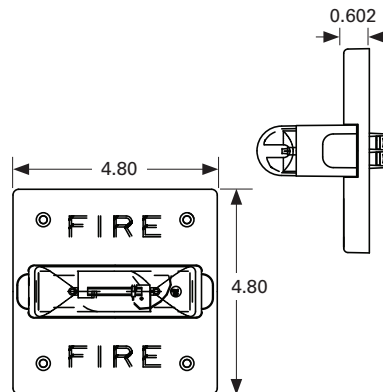
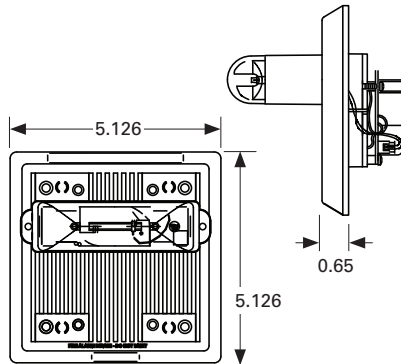
Strobe Plates

Model Number	Finish	Order Code
15/30/75/110cd		
RSSP-24MCW-FR	Red	9402
RSSP-24MCW-FW	White	9403
135/185cd		
RSSP-24MCWH-FR	Red	9482
RSSP-24MCWH-FW	White	0281



Weatherproof Devices

Weatherproof Appliances



MTWP, RSSWP, ET70WP, ASWP, AHWP
Weatherproof Appliances

Available features and options:

- Weatherproof with extended temperature range of -40°F to 150°F
- Dual listed strobe models (UL 1638 and UL 1971)
- Industry's highest strobe candela options
- Synchronize using the Wheelock Sync Modules or panels with built-in Wheelock Patented Sync Protocol
- Models with field selectable tone, dBA and candela settings
- Surface of semi-flush mounting
- IN/OUT wiring termination accepting two #1–#18 AWG wires at each terminal
- Weatherproof kits available that include MTWP-2475W(C) or ET70WP-2575W(C) device and an IOB backbox

Finish Color: Red or White

Mounting: Wall or Ceiling

Input Voltage: Selectable 25/70 VRMS

Voltage: 24 VDC

Selectable Taps: 1/8–8 Watts

Strobe Candela:

- Selectable 135/185 (Wall models)
- 115/177 (Ceiling models) or 2475

Temperature: -40°F to 150°F

Approvals: UL, CSFM, FM, MEA, ULC (model dependent)

Model Number	Finish	Kit	Order Code
Multitone Strobe Wall			
MTWP-2475W-FR	Red		8420
MTWP-2475W-FW	White		3112
MTWP-24MCWH-FR	Red		5132
MTWP-24MCWH-FW	White		5134
MTWP-2475W-FR KIT	Red	Includes IOB-R backbox	9082
MTWP-2475W-FW KIT	White	Includes IOB-W backbox	9083
MTWP-2475W-NW KIT	White	Includes IOB-W backbox	9084
Multitone Strobe Ceiling			
MTWP-2475C-FR	Red		4457
MTWP-2475C-FW	White		4458
MTWP-24MCCH-FR	Red		5102
MTWP-24MCCH-FW	White		5122
Audible Strobe Wall			
ASWP-2475W-FR	Red		9012
ASWP-24MCWH-FR	Red		5137
ASWP-24MCWH-FW	White		5140
Audible Strobe Ceiling			
ASWP-2475C-FR	Red		4251
ASWP-2475C-FW	White		4502
ASWP-24MCCH-FR	Red		5149
ASWP-24MCCH-FW	White		5157
Audible Wall or Ceiling			
AH-24WP-R	Red		7416
AH-12WP-R	Red		7415
Speaker Strobe Wall			
ET70WP-2475W-FR	Red		9077
ET70WP-2475W-FW	White		3179
ET70WP-24185W-FR	Red		4885
ET70WP-24185W-FW	White		4891
ET70WP-2475W-FR KIT	Red	Includes IOB-R backbox	9078
ET70WP-2475W-FW KIT	White	Includes IOB-W backbox	9079
ET70WP-24135W-NW	White		1111
ET70WP-24135W-FR	Red		4872
ET70WP-24135W-FW	White		4875
ET70WP-24135W-ALW	White		6407
Speaker Strobe Ceiling			
ET70WP-2475C-FR	Red		4452
ET70WP-2475C-FW	White		4454
ET70WP-24177C-FR	Red		4845
ET70WP-24177C-FW	White		4859
ET70WP-24115C-FR	Red		4550
ET70WP-24115C-FW	White		4732
ET70WP-24115C-NW	White		3552
Speaker Wall or Ceiling			
ET-1010-R	Red		3135
ET-1010-W	White		3137
Wall Strobe			
RSSWP-2475W-FR	Red		9013
RSSWP-2475W-FW	White		3034
RSSWP-24MCWH-FR	Red		5161
RSSWP-24MCWH-FW	White		5165
Ceiling Strobe			
RSSWP-2475C-FR	Red		4338
RSSWP-2475C-FW	White		4446
RSSWP-24MCCH-FR	Red		5167
RSSWP-24MCCH-FW	White		5187

Candela Ratings

Series	UL 1971	UL 1638 @ 77°F	UL 1638 @ -40°F	ET70WP and MTWP UL Max Current
2475W	30**	180	115	0.138
2475C	15	180	115	0.138
MCWH	135	135	56	0.300
	185	185	77	0.420
MCCH	115	115	47	0.300
	177	177	73	0.420
24185	185	185	77	0.420
24177	177	177	73	0.420

Backboxes, Plates, Gasket Kits

Mounting Options	Surface Mount		Flush Mount
	Exposed Conduit	Concealed Conduit	
RSSWP Strobes	WPSBB	WPSBB + WP-KIT	WFP
ET70WP Speaker Strobes	IOB	IOB + WP-KIT	WFP
ASWP Horn Strobes	WPBB	WPBB + WP-KIT	WFPA
AHWP Horns	WBB	---	WFP
ET-1010 Speakers	WBB	---	WFP
MTWP Multitone Strobes	IOB	IOB + WP-KIT	WFP
Multitone	IOB	IOB + WP-KIT	WFP

Mounting Options

Model Number	Finish	Order Code
Flush Plates		
WFPA-R	Red	5698
WFPA-W	White	4701
WFP-R	Red	4696
WFP-W	White	4697
Gasket Kit		
WP-KIT ¹		4486

Backboxes

IOB-R	Red	5046
IOB-W	White	5047
WPBB-R	Red	9014
WPBB-W	White	4692
WBB-R	Red	2959
WBB-W	White	2960

¹**WP-KIT:** Allows for surface mounting of a weatherproof backbox to a recessed electrical box.

UL Max. Current (Audible)

dBA	MTWP/MT		MT	
	16-33 VDC		8-17.5 VDC	
	HI	STD	HI	STD
Horn	0.108	0.044	0.177	0.034
Bell	0.053	0.024	0.095	0.020
March Time Horn	0.104	0.087	0.142	0.034
Code-3 Horn	0.122	0.035	0.200	0.034
Code-3 Tone	0.135	0.035	0.152	0.021
Slow Whoop	0.098	0.037	0.142	0.035
Siren	0.104	0.036	0.152	0.030
Hi/Lo	0.057	0.025	0.114	0.026

UL Max. Current

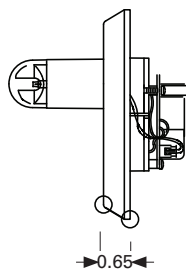
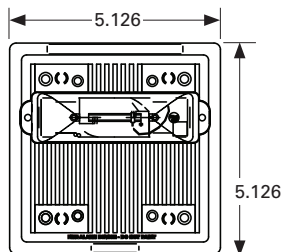
	AH	
	16-33 VDC	8-17.5 VDC
High (99) dBA	0.080	0.192
Med (95) dBA	0.043	0.108
Low (90) dBA	0.021	0.058

ASWP

High	Med	Low
0.168	0.155	0.150
0.168	0.155	0.150
0.355	0.340	0.335
0.480	0.465	0.460
0.355	0.340	0.335
0.480	0.465	0.460

**Wall mount rating only

Colored Lens Appliances



ET, WP, RSSWP Colored Lens Appliances

Available features and options:

- Designed for effective alerting of employees and personnel in industrial, military or government applications
- Wide operating voltage range

Lens Colors: Amber, Blue, Green, Red

Mounting: Wall or Ceiling

Voltage: 24 VDC

Approvals: UL

Product Type	Model Number	Color	Order Code
Weatherproof Strobes	75cd		
	RSSWPA-2475W-NW	Amber	0240
	115/177cd		
	RSSWPA-24MCCH-NW	Amber	6158
	RSSWPB-24MCCH-NW	Blue	6159
	RSSWPG-24MCCH-NW	Green	6160
	RSSWPR-24MCCH-NW	Red	6161
	RSSWPA-24MCCH-ALW	Amber	9094
	135/185		
	RSSWPA-24MCWH-NW	Amber	9093
	RSSWPA-24MCWH-ALW	Amber	9780
Weatherproof Speaker Strobes	ET70WPA-2475W-NW	Amber	0220
Multitones	115/177cd		
	MTA-24MCCH-NW	Amber	6167
	MTB-24MCCH-NW	Blue	6168
	MTG-24MCCH-NW	Green	6169
	MTR-24MCCH-NW	Red	6170
Weatherproof Multitones	MTA-121575W-NW	Amber	0048
Weatherproof Multitones	MTWPA-2475W-NW	Amber	1649
	MTWPB-2475W-NW	Blue	9085
	115/177cd		
	MTWPA-24MCCH-NW	Amber	6171
	MTWPB-24MCCH-NW	Blue	6172
	MTWPG-24MCCH-NW	Green	6173
	MTWPR-24MCCH-NW	Red	6174

Candela is measured on axis per UL 1638. Models with MCC strobes have 4 field selectable candela settings. MCC settings are rated for clear lens—derate approximately 25% for amber, 55% for green and 70% for blue lenses.

UL Max. Current

Series	16–33 VDC		
	15/75cd	115cd	177cd
RSSWP/MTWP	0.138	0.300	0.420



Manual Pull Stations

Pull stations for activation of fire alarm control panels featuring high quality, die-cast metal construction and single, dual and explosion-proof models for long-lasting performance.

Manual Pull Stations



MPS Manual Pull Stations

Available features and options:

- Single or dual action
- Key reset
- Terminal strip connections
- Corrosion-resistant, gold-plated SPST contacts
- Surface and weatherproof backboxes available
- Plastic breakrod
- High-gloss red enamel finish, raised white lettering

Finish Color: Red, die-cast metal

Mounting: Wall

Backbox: Single Gang

Ratings: Normally open contact will close when the pull station is activated and is rated for 30 VDC @ 1 amp and/or 120 VAC @ 1 amp

Approvals: UL, FM, CSFM, MEA and Class I, Division I, Groups B, C and D; Class II, Groups E, F and G; and Class III hazardous environments (MPS-400X)

Model Number	Finish	Order Code	Mounting
Single Pull Station			
MPS-100	Red	8400	MPS-ISB, MPS-WP
MPS-200	Red	8401	MPS-ISB, MPS-WP
Explosion Proof			
MPS-400X	Red	8403	Backbox Provided
Backboxes			
MPS-ISB	Red	8404	
MPS-WP	Red	8405	
Breakrods			
MPS-RODS	Red	8406	



Power Supplies, Sync Modules & Accessories

Remote power supply/battery chargers are available for supervision and expanded power driving capability of fire alarm notification appliance circuits.

Sync modules provide synchronization of strobe flashes and code 3 temporal evacuation alarm produced by Wheelock for single and dual class applications.

Intelligent Notification Controller

Superior supervision, diagnostics and system redundancy



Eaton's Intelligent Notification Controller (INC) is a smart, modular panel that provides power to notification appliances with multiple means of supervision, superior diagnostics, and redundancy to improve the resiliency of life safety systems. In addition, the controller is listed for fire alarm, mass notification, and access and building control, and provides extended battery back up for carbon monoxide (CO) applications. It also features advanced CO signaling capabilities.

Eaton's INC is fully backward compatible with our existing installed base of products that use our latest LED line, Eluxa, as well as our Wheelock xenon product lines. Not only can you use the existing wiring infrastructure, but the Wheelock conventional LED devices and new addressable modules can be installed on the same wires, and in the same field of view, leaving the older xenon devices in place. This drastically reduces installation costs associated with retrofit and expansion, while providing a migration path for our customers to the latest technology.

Eaton's Intelligent Notification Controller has 4 notification appliance circuit (NAC) outputs that can be configured as conventional NACs, addressable NACs, or auxiliary power circuits. Each circuit has the capacity to supply 3 amps of power with a system limit of 10 amps. When configured as addressable NACs, the INC supports both conventional notification appliances and addressable (Sub-NAC) modules on the same pair of wires.

Unique addressable technology

The INC features a unique addressable notification circuit technology with its Sub-NAC modules. These devices provide the ability to current limit or open branch circuits containing a short, thereby, protecting the rest of the system. Additionally, the INC can identify ground faults down to the Sub-NAC ID level. An industry first, this intelligent device utilizes rich data that it collects from branch circuits and reports to the INC to provide a high degree of fault tolerance and system resiliency.

The controller's addressable NACs poll the Sub-NACs, which utilize independent microprocessors to supervise each branch notification circuit. Each of INC's 4 addressable NACs (trunks) support up to 8 Sub-NACs for a total of 32 intelligent Sub-NACs. Each Sub-NAC supports 2 Class B branch notification circuits or 1 Class A branch circuit.

Ease-of-use, programming and maintenance

INC's LCD screen provides a menu driven interface for ease-of-use and efficient programming, diagnostics, testing capability, and ease of maintenance. Fault conditions can be identified by NAC trunk, Sub-NAC address, fault type, and individual branch circuit. The technician links this information to the site specific installed location of each Sub-NAC by completing a mounting location "look-up" table during installation. The table is located on the inner door so future maintenance can easily identify the specific fault location, for example, the Electrical Closet, Room 232. This eliminates costly troubleshooting.

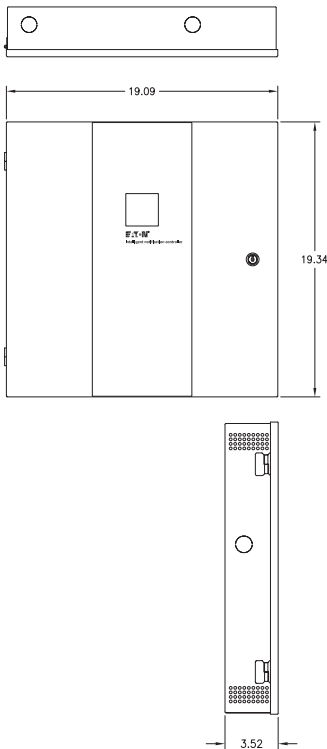
Reduced inventory

The INC NAC control panels are compatible for use with a wide range of fire alarm control panels (FACPs), which reduces inventory levels.

Applications

- Fire alarm
- Mass notification
- Access control
- Active shooter door power and release supported by access control and MNS listings

Power Supplies



INC-PS10 Intelligent Notification Controller

Available features and options:

- Powers notification appliances: Wheelock xenon, LED, and addressable devices on the same pair of wires
- 10 amps Wheelock devices, 4 NACs, 4 inputs, 3 programmable relays, 1 dedicated trouble relay
- Superior diagnostics pinpoint opens, shorts, and ground faults
- Unique addressable Sub-NAC technology: Creates branch circuits allowing long device distances without significant voltage drop
- Unprecedented fault tolerance – opens, shorts, current limits, hybrid Class A and B
- LCD screens with history and real time diagnostics simplifies installation and maintenance
- Compatible for use with the industry's leading fire alarm control panels
- Listed for fire alarm, mass notification, access, and building control

Finish Color: Red

Input Voltage Range: 8-33V, DC or FWR

AC Mains Input Voltage/Maximum Current: 120V, 102V to 132V/ 4.5 amps

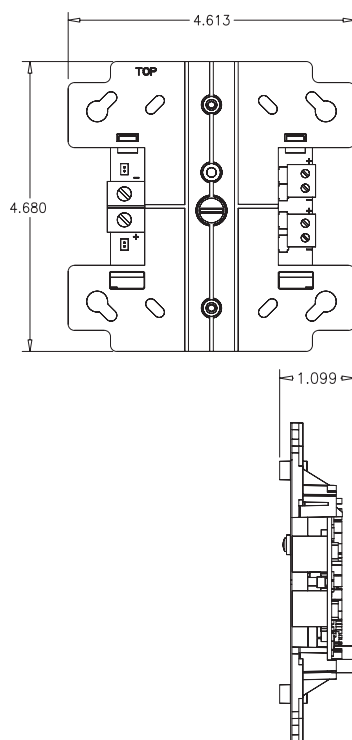
Approvals: UL 294, UL 864, UL 2572; ULC-S527-19, ULC-S576, ULC-S318

Model	Description
INC-PS10	10 amp Intelligent Notification Controller, red enclosure, 120V
INC-CAB1-DOOR	Intelligent Notification Controller cabinet door (replacement unit)
INC-PS10-ELEC	Intelligent Notification Controller mother board with power supply (replacement unit)
INC-CPU	Intelligent Notification Controller base computer with LCD display (replacement unit)
SUB-NAC	Addressable module, branch circuit of notification appliances, white cover
SUITE-SIL	Silence switch, white

Specifications

Physical	
Weight	17.2 lbs (Unit)
Dimensions	19.3"H x 19.1"W x 3.5"D
Enclosure can house up to two 18 AH batteries	18" H x 7" W x 3.1" D
Input Circuits (NAC mode)	
Input voltage range	8-33V, DC or FWR
Input Current @ 12 VDC	3 mA
Input Current @ 24 VDC	5 mA
Output Circuit	
Four (4) Class B or Two (2) Class A or One (1) Class A and Two (2) Class B	3A per output 10A per panel (7A regulated and 10A special application)
AUX (continuous and controlled)	3 Amps per output; 6 Amps per panel
AC Mains	
Input Voltage (AC)	120V, 102V-132V
Maximum current (AC)	4.5 Amps
Secondary Power Charging Capacity	55AH (Max 18Ah inside cabinet)
Output Voltage Range	Rating between 20.4 and 26.4V for easy 24Vdc compatibility
Relays (4)	3 programmable to follow inputs or signal specific troubles; 1 dedicated to troubles; Rated 30V 1A
Operating temperature	32°F to 120°F (0°C - 49°C) 93% RH non-condensing, Indoory dry

Intelligent Notification Controller



SUB-NAC Intelligent Notification Controller

Available features and options:

- Addressable module that communicates with Eaton's Intelligent Notification Controller (INC)
- Provides branch circuits of conventional notification devices
- 2 Class B or 1 Class A branch circuit, supporting up to 1 amp of power per branch circuit
- Detection and reporting of open circuits, shorts, and current limiting by individual branch.
- Isolation of shorts and current limits by branch
- Compliant to the new ULC-S527-19 isolator requirements
- INC ground fault detection to the Sub-NAC level for easy technician troubleshooting

Finish Color: White

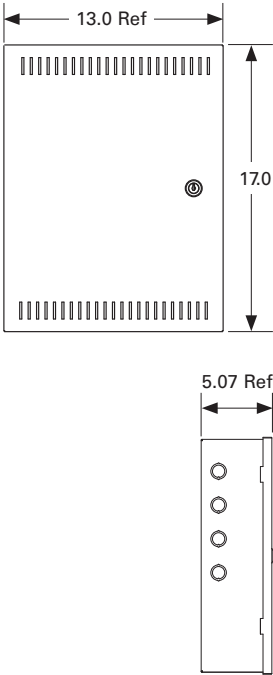
Approvals: UL 294, UL 864, UL 2572; ULC-S527-19, ULC-S576, ULC-S318

Model	Description
SUB-NAC	Addressable module, branch circuits of notification appliances, white cover

Specifications

Physical	
Weight/Dimensions (L x W x D)	9 oz (255 gm) /4.68 x 4.61 x 1.10 in (11.89 x 11.72 x 2.79 cm)
Operating temperature	32°F to 120°F (0°C - 49°C) 93% RH non-condensing, Indoory dry
NAC Input	12-18 AWG
NAC Output	14-18 AWG
Power	
Rated input voltage	18.5 - 24 VDC
Minimum input voltage	16 VDC (last device on the branch)
Standby/Alarm current	10mA/35mA
Maximum current	Class A: 1A or Class B: 1A per circuit (2 amps total)
Isolation	
Class A or B circuits	Independent short circuit isolation for each branch circuit
NAC circuits	Jumper selectable for 1 Class A or 2 Class B NACs
LEDs	Up to 8 Sub-NACs per NAC circuit. Maximum 8 Sub-NACs per NAC and 32 Sub-NACs per INC. Address selection via front panel rotary switch.
Communications	LEDs visible on the front of the Sub-NAC indicate normal, fault, and active conditions.
Field mounting	RS-485, half-duplex
INC enclosure mounting	Mounts to any standard double ganged 4-inch square by 2 1/8 deep electrical backbox
Compatibility:	Up to two (2) Sub-NAC modules
	INC-PS10 (Special applications - Wheelock)

Power Supplies



PS-8-LP Power Supplies

Available features and options:

- Regulated 8 amps of NAC power, 3amps/NAC, 4 NACs (2 Class A)
- 2 input circuits, programming matrix to NAC outputs
- T3 (fire) and T4 (CO) inputs for NACs
- 2 internal programmable relays, including AC Fail w/delay
- Expandable to 8 Class B or 4 Class A NACs (same box)
- Superior diagnostics – up to 37 discrete troubles
- Individual Ground Fault detection by NAC conductor
- Up to 32AH battery charger
- Dedicated Synchronization bus between PS-8s

Finish Color: Red or Black

Input Voltage Range: 8–33 VDC

Primary PS-8-LP (120VAC): 105 to 130VAC, 50/60 Hz @ 5.32 amps
International 210-260 VAC: see models below

Approvals: UL Standard 864, 1481, 2572; CSFM; FM

Model Number	Order code	Description
PS-8-LP	105540	8 amp power supply, red enclosure, 120V
PS-8E-LP	105542	8 amp power supply, red enclosure, 220V
PS-8-B-LP	105587	8 amp power supply, black enclosure, 120V
PS-8E-B-LP	105555	8 amp power supply, black enclosure, 240V
PS-8-EXP-LP	105553	8 amp power supply with preinstalled expansion module, red enclosure, 120V
PS-8E-EXP-LP	105552	8 amp power supply with preinstalled expansion module, red enclosure, 240V
PS-EXP	105334	4 class B or 2 class A expan. mod

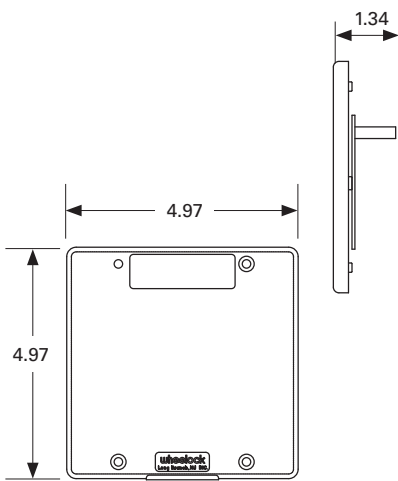
Input Circuit	Input Voltage and Current
Input voltage Range	8 to 33 VDC
Input Current @ 12 VDC	0.005 amps
Input Current @ 24 VDC	0.005 amps

Model	Dimensions	Comments
PS-8-LP	17"H x 13"W x 3.5"D	Small profile
PS-EXP	4.3"H x 3.7"W x 1"D	Plugs into main pcb on all models

Input Circuit	Input Voltage and Current
Four (4) Class B or	24 VDC @ up to 3 amps per curcuit
Two (2) Class A or	
One (1) Class A and Two (2) Class "B" or	
8 Class B or 4 Class A (optional PS-EXP module necessary)	
Standby Current	0.129 Amps
Alarm Current	0.129 Amps
Primary Panel Power (120 VAC models)	105 to 130 VAC, 60 Hz @ 5.0 Amps
Primary Panel Power (240 VAC models)	210 to 260 VAC, 60 Hz @ 2.5 Amps
Secondary Power Charging Capacity	32 Amp hours
Enclosure can house 7 AH batteries	

Aux Output	
CP Mode	PS-8 up to 250 mA
MP Mode	2.5A during non alarm

Sync Module



DSM Sync Module

Available features and options:

- Uniquely designed to accept an independent strobe and audible input from the FACP and convert to a single output. Can be used for all Wheelock NFPA/ADA compliant products.
- Synchronizes Wheelock strobes, horn strobes, and speaker strobes
- 3-Ampere-per-circuit current handling at 12 or 24 VDC
- Compatible with all standard fire alarm control panels
- Meets the NFPA-72 requirement for Temporal Pattern when used with the Series AS/AH
- 3-year warranty

Finish Color: Red

Mounting: Wall

Voltage: 12 or 24 VDC (3 ampere per circuit)

Approvals: UL, CSFM, MEA, BFP, FM, ULC

Model Number	Finish	Order Code
DSM-12/24-R	Red	6374



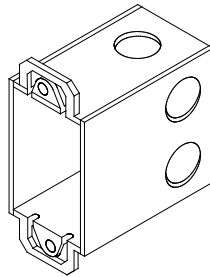
Accessories

- Mounting Options
- Appliance Enclosures
- Agency Approvals

(B) Single-Gang, Flush (B0)

Used with Series MIZ

See Notes 1 & 8

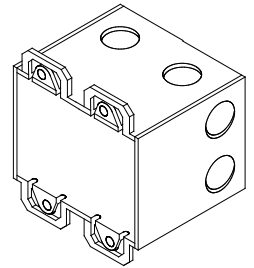


Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(F) Double-Gang, Flush (B0)

See Note 4

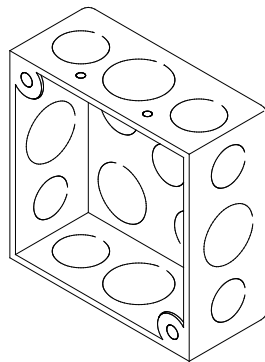


Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(D) 4" Square, Flush (B0)

See Note 2



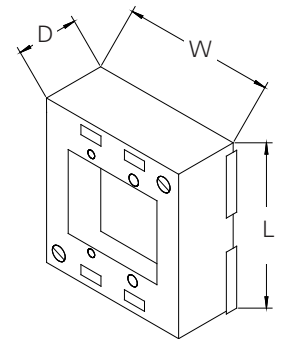
1-1/2" deep

Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(G) Double-Gang, Surface (B0)

See Note 5



Length	Width	Depth	Gang #
4-3/4"	4-3/4"	1-3/4"	2

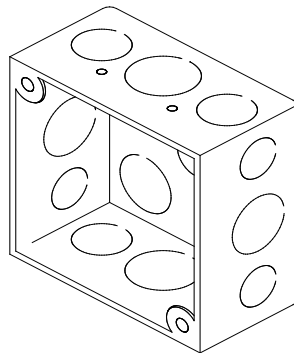
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(E) 4" Square, Deep, Flush (B0)

Used with Series 31T, 43T, AMT, ET-1010, MB, RSSP

See Note 3



2-1/8" deep

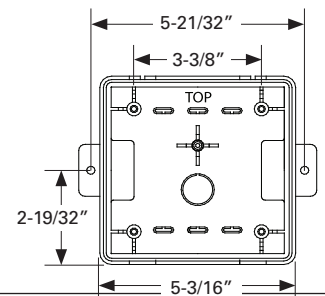
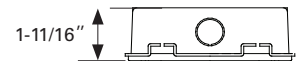
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

(I) WPBB (Order Code: 9014)

For surface mounting AS outdoor products

Used with Series ASWP Weatherproof



Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

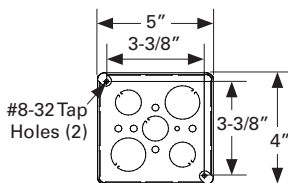
Mounting Options

(J) BB Backbox (Order Codes: Red 2830, Gray 2349)

Standard steel backbox with knockouts for interior surface mounting, concealed conduit mounting or semi-flush applications. It is painted to match the signal.

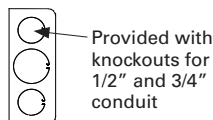
Used with Series 31T, 43T, MB

See Note 9



Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

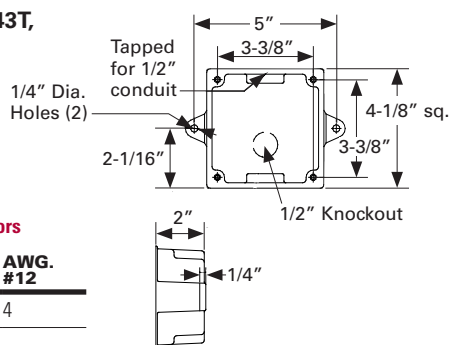


(K) WBB Weather Resistant Backbox (Order Codes: Red 2959, White 2411)

Sturdy die-cast housing, threaded conduit hole and knockout for outdoor applications. It is painted to match the signal.

Used with Series 31T, 43T, AHWP, ET-1010, MB

See Note 2

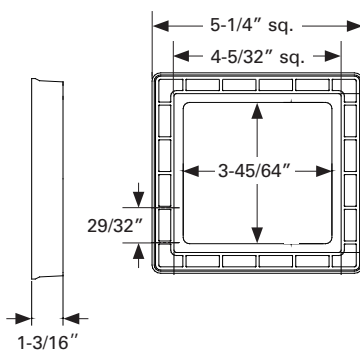


Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(L) ISP2 Surface Adapter (Order Code: Red 3194, White 3195)

Used with Series AMT

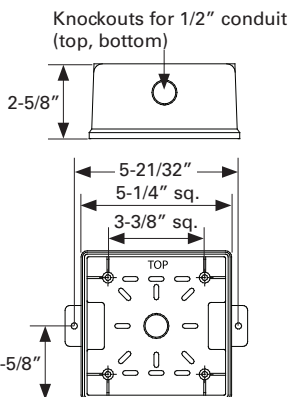


(M) IOB Backbox (Order Codes: Red 5046, White 5047)

For surface mounting products

Used with Series AMT, ET70WP, MTWP

See Note 10



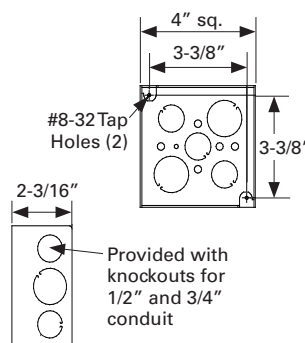
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

(N) DBB Backbox (Order Code: 2955)

Standard steel backbox provided with knockouts for interior surface mounting, concealed conduit mounting or semi-flush applications. It is painted to match the signal.

Used with Series 31T, 43T, AMT, ET-1010, MB

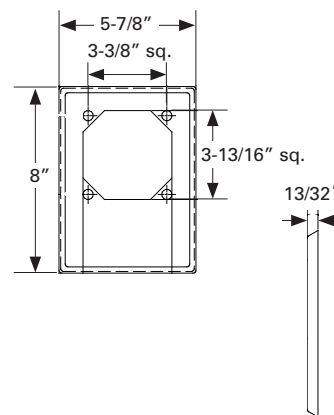


Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

(O) RP-R Retrofit Plate (Order Code: 5042)

Used with Series 31T, 43T, AMT, ET-1010, ET-1080, MB

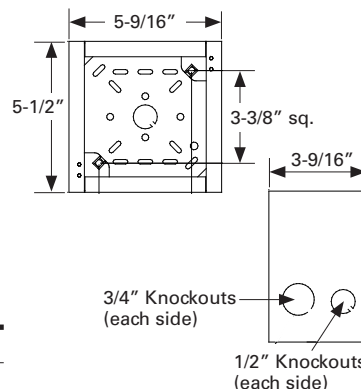


(P) SBB Backbox (Order Codes: Red 3204, White 3193)

For surface mounting speakers, chimes, and electronic applications

Used with Series 43T, AMT, ET-1080, MB

See Note 11



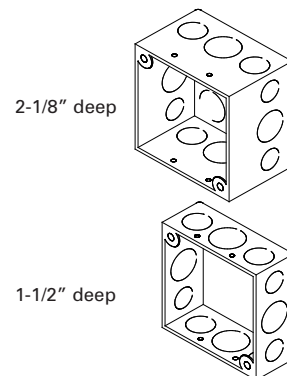
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

(Q) 4" Square Deep w/ Extension Ring, Flush (B0)

Used with Series ET-1080

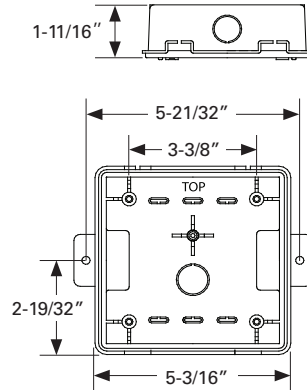
See Note 6



Exterior Ring Depth	1-1/2"	2-1/8"
AWG. #18	8	8
AWG. #16	8	8
AWG. #14	8	8
AWG. #12	4	8

(T) WPSBB-R (Order Codes: Red 9751, White 3033)

Used with Series RSSWP
Weatherproof



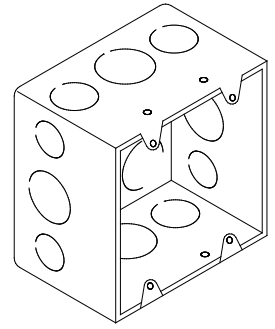
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
8	8	8	8

(W) 4-11/16" Square, Deep Surface (B0)

Used with Series DSM

See Note 7

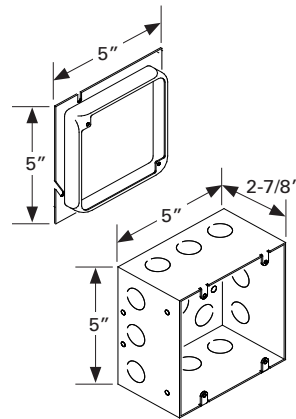


Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
10	10	10	10

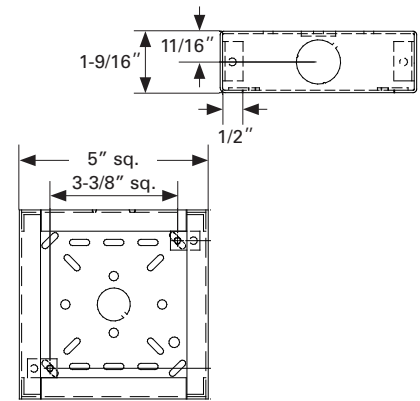
(U) 5" Square Backbox w/ Extension Ring, Flush (B0)

Used with Series ET-1080



(X) SHBB Square, Surface Backbox (Order Codes: Red 7254, White 7255)

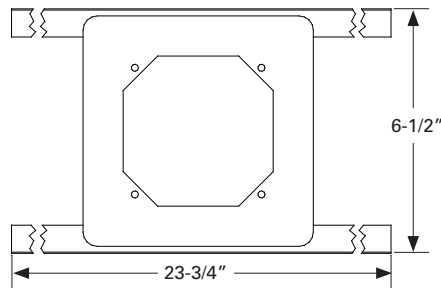
Used with Series 43T,
MB



(V) SSB-4 Ceiling Support Bridge (Order Code: 3380)

Provisions for (4) J-nuts #8-32 ib 3-3/8" square. Material: Steel

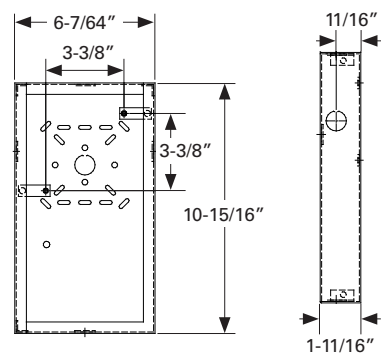
Used with Series ET-1080



Mounting Options

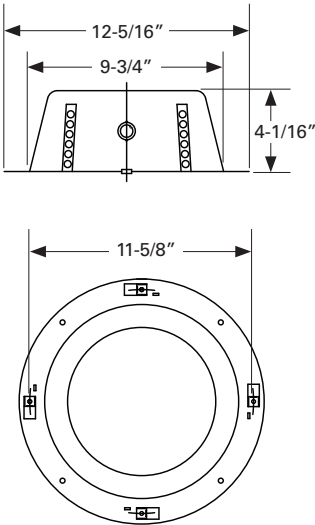
(Z) SBL-2 Backbox (Order Codes: Red 6988, White 6989)

Used with Series RSSP



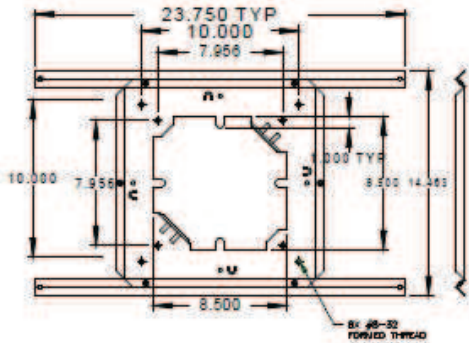
(DD) CBB-8 8" Ceiling Speaker Backbox (Order Code: 3314)

Used with Series S 8" Ceiling Speakers

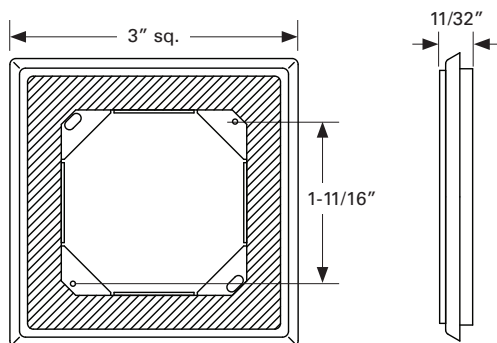


(CC) SSB-8 8" Ceiling Support Bridge (Order Code: 3573)

Used with Series S 8" Ceiling Speakers



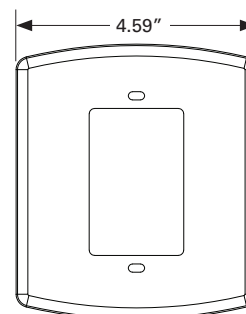
(GG) WFP Plate (Order Codes: Red 4696, White 4697)



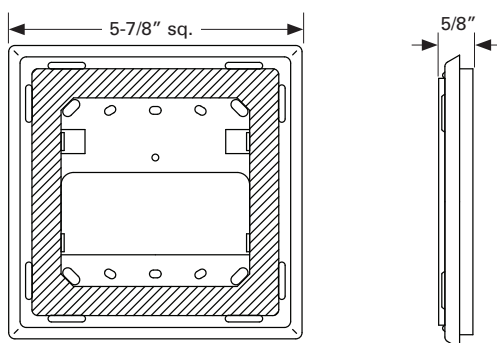
(KK) ESB-KIT (Order Codes: Red 0533, White 0534)

Trim Plate Kit for Eluxa

**Used with Eluxa versions
ELST, ELHS, ELHN**

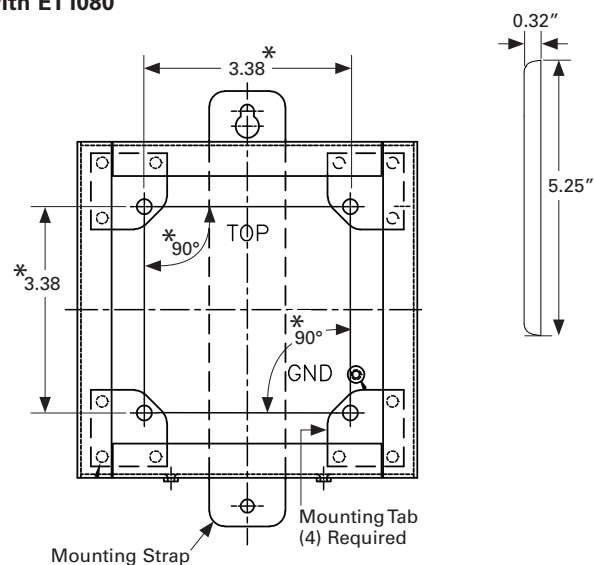


(HH) WFPA Plate (Order Codes: Red 4696, White 4697)



(MM) OSB

Used with ET1080

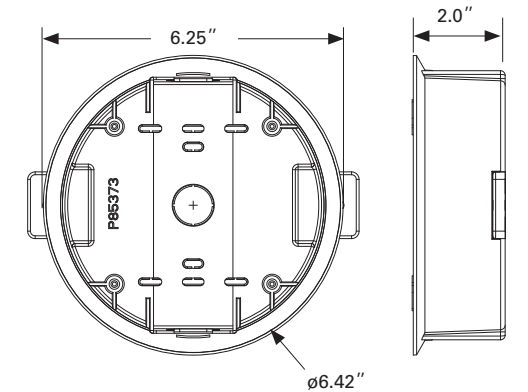


*Refer to specification sheet S7000 for mounting option details.

Mounting Options

(00) LSPKBB-C Backbox (Order Codes: Red 0927, White 1003)

Used with Ceiling Eluxa Ceiling ELCHC, ELCHSC, ELHNC, ELHSC, ELFHNC, ELFHSC, ELMTSC, ELSPKC, ELSPSTC, ELSTC



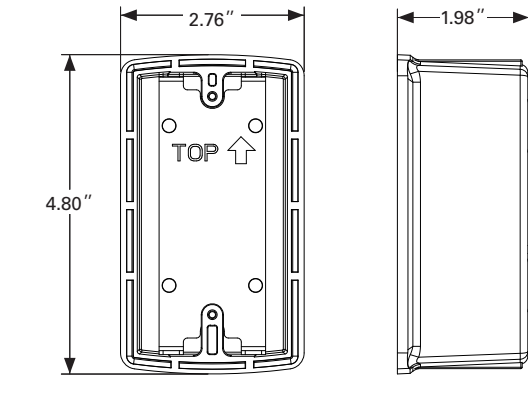
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(QQ) ELSBB Backbox (Order Codes: Red 110752, White 110753)

For indoor surface mounting of Eluxa horns, horn strobes and strobes (wall models)

Used with Eluxa ELHN, ELHS, ELST



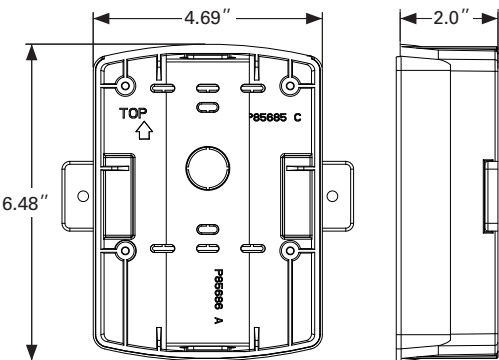
Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

(RR) ELSPKBB Backbox (Order Codes: Red 110754, White 110755)

For indoor surface mounting of Eluxa speaker and low frequency sounders (wall models)

Used with Eluxa ELSPK, ELSPST, ELFHN, ELFHS, ELCH, ELCHS, ELMT, ELMTS



Maximum Number of Conductors

AWG. #18	AWG. #16	AWG. #14	AWG. #12
4	4	4	4

- Figure B is typical of a Steel City LXM-WOW box or equal. Figure B should be a 3.5" deep backbox for conduit installations and is typical of a Steel City CY-1/2 box or equal.
- Figure D is typical of a Steel City 52151 box or equal.
- Figure E is typical of a Steel City 52171 box or equal.
- Figure F is typical of two Steel City LXM-WOW boxes or equal.
- Figure G is typical of a Wiremold 5748-2 box or equal.
- Figure Q is typical of a Steel City 52171 box with a Steel City 53151 extension ring or equal.
- Figure W is typical of a Steel City 72171-1 box or equal.
- Use 3.5" deep backbox on all MIZ products when EMT conduit is used.
- When used with AC Horn (J), "BB" must be used for surface mount.
- MTWP Strobe are for outdoor mounting.
- Use with Series RSSP.
- Figure U is typical of a RANDL Industries backbox. ("Total Number of conductors shall be in accordance with NEC table 314.16 (B)").

Mounting Matrix

	Eluxa ELHN, ELHS, ELST	Eluxa ELSPK, ELSPT, ELFHN, ELFHS ELCH, ELCHS, ELMT, ELMTS	Eluxa ELCHC, ELCHSC, ELHNC, ELHSC, ELFHC, ELFHCSC, ELMTSC, ELSPKC, ELSPTC, ELSTC	Series RSSP	Series 31T	Series 43T Bells	Series ET1010	Series MB Motor Bells	Series MIZ/MIZ-TC	Series SM/DSM	Series AMT	Series RSSWP(1), ASWP(2), AHWP(3), MTWP(4), MT-12/24(4), ET70WP(4)	Series S8
(B) 1-GANG x 2" Deep – Flush (B0) Note 1 & 8									X				
(D) 4" x 4" x 1.5" Deep – Flush (B0) Note 2				X	X	X		X					
(E) 4" x 4" x 2.125 Deep – Flush (B0) Note 3				X	X	X		X			X		
(F) 2-Gang x 3.5" Deep – Flush (B0) Note 4 & 8											X		
(I) WPBB-R Weatherproof Backbox for ASWP												2	
(J) BB Surface (WSI) Note 9					X	X		X					
(K) WBB Weatherproof (WSI)					X	X	X	X				3	
(L) ISP Adapter (WSI) for Square Products											X		
(M) IOB Surface & Weatherproof (WSI) Note 10											X	4	
(N) DBB Surface (WSI)					X	X	X	X			X		
(O) RP-R Retrofit Plate					X	X		X			X		
(P) SBB Surface (WSI) Note 11						X		X			X		
(Q) 4" x 4" x 2.125" Box w/ 1.5" Extension Ring – Flush (B0) Note 6				X									
(T) WPSBB-R Weatherproof Backbox for RSSWP												1	
(U) 5" Square Backbox w/ Extension Ring, Flush (B0)													
(V) SSB-4 Ceiling (WSI) Support Bridge													
(W) 4.6875" x 4.6875" x 2.125" Deep Surface (B0)										X			
(X) SHBB (WSI) Shallow Surface						X		X					
(Y) SER Semi-Flush Extension Ring (Retrofit Appl.)													
(Z) SBL-2 Surface (WSI) Note 11				X	X	X		X					
(CC) SSB-8 8" Speaker Support Tile Bridge													X
(DD) CBB-8 8" Ceiling Speaker Backbox													X
(OO) LSPKBB-C Backbox			X										
(QQ) ELSBB	X												
(RR) ELSPKBB Backbox		X											

Mounting Options

Mounting Notes

⚠ Caution: The mounting options figures show the maximum number of field wires (conductors) that can enter the backbox used with each mounting option. If these limits are exceeded, there may be insufficient space in the backbox to accommodate the field wires and stresses from the wires could damage the product. Although the limits shown for each mounting option comply with the National Electrical code (NEC), Wheelock recommends use of the largest backbox option and the use of approved stranded field wires whenever possible, to provide additional wiring room for easy installation and minimum stress on the product from wiring.

⚠ Caution: Check that the installed product will have sufficient clearance and wiring room prior to installing backboxes and conduit, especially if sheathed multiconductor cable or 3/4" conduit fittings are used.

1. Mounting hardware for each mounting option is supplied.
2. Conduit entrances to the backbox should be selected to provide sufficient wiring clearance for the installed product. When extension rings are required, conduit should enter through the backbox, not the extension ring. Use Steel City #53151 (1-1/2" deep) or #53171 (2-1/8" deep) extension rings (as noted in the mounting options) or equal with the same cut-out area.
3. When terminating field wires, do not use more lead length than required. Excess lead length could result in insufficient wiring space for the appliance.
4. Use care and proper techniques to position the field wires in the backbox so that they use minimum space and produce minimum stress on the product. This is especially important for stiff, heavy gauge wires and wires with thick insulation or sheathing.
5. Do not pass additional wires (used for other than the appliance) through the backbox "unless the backbox is of a sufficient size to permit additional wiring as described in NEC 314.16 (B)". Such additional wires could result in insufficient wiring space for the appliance.

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

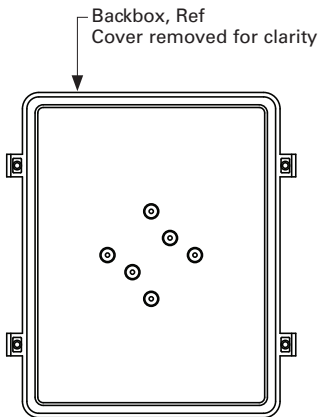
Backbox Mounting Heights for Wheelock Wall-Mounted Horizontal Strobe Appliances

NFPA-72 (2002)

7.5.4* Appliance Location. Wall-mounted appliances shall be mounted such that the entire lens is not less than 2.0 m (80 in.) and not greater than 2.4 m (96 in.) above the finished floor.

Backbox Mounting Options*	RSSP Flush Surface Retrofit	Eluxa ELHN, ELHS, ELST		Eluxa ELSPK, ELSPST, ELFHN, ELFHS	
	80 In.	80 In.	6 In.	80 In.	6 In.
(B) 1-Gang x 2" Deep – Flush (BO)		80 ⁵ / ₁₆	5 ¹¹ / ₁₆		
(D) 4" x 4" x 1.5" Deep – Flush (BO)	83 ¹⁵ / ₁₆			81 ¹ / ₈	4 ⁷ / ₈
(E) 4" x 4" x 2.125" Deep – Flush (BO)	83 ¹⁵ / ₁₆			81 ¹ / ₈	4 ⁷ / ₈
(Q) 4" x 4" x 2.125" Box w/ 1.5" Extension Ring – Flush (BO)	83 ¹⁵ / ₁₆				
(U) 5" Square Backbox w/ Extension Ring, Flush (BO)	83 ⁷ / ₁₆				
(Z) SBL-2 Surface (WSI)	80 ¹ / ₂				
(QQ) ELSBB Backbox 4.8" x 2.76" x 1.98"		79 ³ / ₈	6 ⁵ / ₈		
(RR) ELSPKBB Backbox 6.48" x 4.69" x 2.0"				79 ¹ / ₄	6 ³ / ₄

Appliance Enclosures



Enclosure dimensions (approx.):
9.59"H x 7.59"W x 8.259"D

EWR, EWP Appliance Enclosures

Available features and options:

- Vandal resistant
- Easy installation and access for service
- Provides protection from incidental contact with equipment, falling dirt, falling liquids, light splashes, rain, etc.
- UV stabilized against discoloration

Options: Slotted, weather-resistant enclosure with drain screen (EWR); weatherproof enclosure with drain screen (EWP)

EWR Dimensions: 9.59"H x 7.59"W x 8.259"D

EWP Dimensions: 9.59"H x 7.59"W x 8.259"D

EN4 Dimensions: 9.59"H x 7.59"W x 8.259"D

Approvals: UL Listed

Model Number	Order Code
EWR	8151
EWP	8150

Agency Approvals

Model	Agency Approvals				
	UL	MEA	CSFM	FM	ULC
31T-115R	X	*	X	X	*
31T-115-R-ULC	X	X	X	X	X
43T-G10-115-R	X	*	X	X	X
43T-G10-24-R	X	*	X	X	X
43T-G6-115-R	X	*	X	X	X
43T-G6-24-R	X	*	X	X	X
AH-12WP-R	X	X	X	X	*
AH-24WP-R	X	X	X	X	X
AMT-12/24-R	X	X	X	X	X
AMT-24MCW-FR	X	*	X	X	X
AMT-24MCW-FW	X	*	X	X	X
ASWP-2475W-FR	X	*	X	*	X
ELCH	X	*	X	X	X
ELCHC	X	*	X	X	X
ELCHS	X	*	X	X	X
ELCHSC	X	*	X	X	X
ELFHN	X	*	X	X	X
ELFHNC	X	*	X	X	X
ELFHS	X	*	X	X	X
ELFHSC	X	*	X	X	X
ELHN	X	*	X	X	X
ELHNC	X	*	X	X	X
ELHS	X	*	X	X	X
ELHSC	X	*	X	X	X
ELFHNC	X	*	X	X	X
ELFHSC	X	*	X	X	X
ELMT	X	*	X	X	X
ELMTS	X	*	X	X	X
ELMTSC	X	*	X	X	X
ELSPK	X	*	X	X	X
ELSPKC	X	*	X	X	X
ELSPST	X	*	X	X	X
ELSPSTC	X	*	X	X	X
ELST	X	*	X	X	X
ELSTC	X	*	X	X	X

Model	Agency Approvals				
	UL	MEA	CSFM	FM	ULC
ET-1010-R	X	X	X	X	X
ET-1010-W	X	X	X	X	X
ET-1080-R	X	X	X	X	X
INC-PS10	X	*	*	*	X
MB-G10-12-R	*	X	X	*	*
MB-G10-24-R	*	X	X	*	*
MB-G6-12-R	*	X	X	*	*
MB-G6-24-R	*	X	X	*	*
MIZ-24S-R	X	X	X	X	X
MIZ-24S-W	X	X	X	X	X
PS-8-LP	X	*	X	X	*
SUB-NAC	X	*	*	*	X



Explosion-Proof and Hazardous Signaling

Eaton offers a wide range of signaling devices for explosion-proof and hazardous applications.

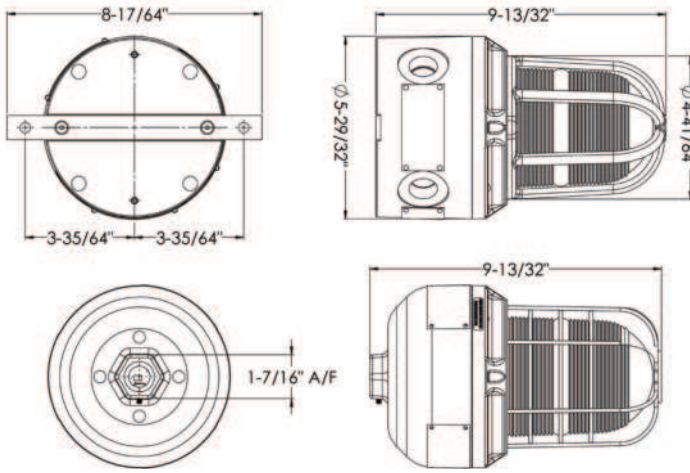
- Strobes
- Horns, Speakers & Combo Units
- Call Points, Bells & Relay



Explosion-Proof and Hazardous Strobes

Eaton offers a variety of strobes for use in potentially harsh atmospheres and environmental conditions including UL listed, high output, and a number of color, voltage and candela models.

Strobes



MEDC LD15 Strobes

Available features and options:

- NEMA 4x & 6, IP66 & 67
- Corrosion-free GRP
- Optional stainless steel backstrap
- Optional cast aluminum or wire stainless steel guard
- Up to 3 x 1/2" or up to 3 x 3/4" NPT
- Remote and local function selection

Lens Color: Red, blue, green, amber, clear, and yellow

Voltage: 12V d.c. to 48V d.c., 110V a.c. to 254V a.c.

Certified Temperature: -67°F to +158°F (-55°C to +70°C)

Weight: Pipe mount: 6.8lb (3.1kg) direct mount: 7.7lb (3.5kg)

Material: aluminium LM25M

Entries: 1 x 1/2" / 3/4" NPT or 3 x 1/2" / 3/4" NPT

Approvals:

- UL certified for USA and Canada
 - Hazardous locations:
 - Class I, Div. 2, Groups A, B, C & D
 - Class II, Div. 2 Groups F & G
 - Class I, Zone 1, AExd IIC T5/T6
- ULC certified to Canadian Safety Standards
- ATEX certified Ex II 2GD
- IECEx certified Gb, Db
- SIL 1 certified

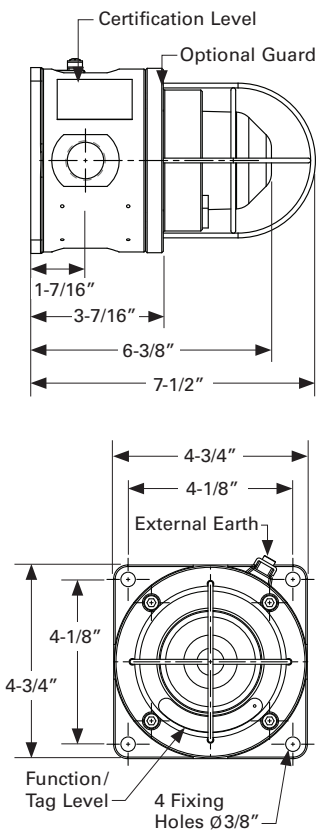
Model Number	Description	Order Code
LD15ULDCWBNR	STRB, LED, CLEAR LENS, 12-48VDC, UL, CLASS 1 DIV 2, RED FINISH	PX37900204
LD15UCDCCNBNR	STRB, LED, CLEAR LENS, 12-48VDC, ULC, CLASS 1 DIV 2, RED FINISH	PX37900478
LD15UCDCRNBNN	STRB, LED, RED LENS, 12-48VDC, ULC, CLASS 1 DIV 2, BLACK FINISH	PX37900123

Additional configuration options available.

See the LD15 product specification sheet or contact the Eaton Customer Service Team.

	DC			AC 60 Hz			
Voltage	12	24	48	110	120	230	240
Current (mA) - steady	430	220	120	90	80	50	50
Current (mA) - 60/80/120fpm	880	420	220	100	100	60	60

Strobes



MEDC **SM87HXB** Strobes

Available features and options:

- IP66 & 67
- Light weight, corrosion resistant
- 4-Wire monitored connection

Lens Color: Red, Blue, Green, Yellow, Amber, Clear

Voltage: 24 VDC, 48 VDC, 110 VAC, 120 VAC, 230 VAC, 240 VAC, 254 VAC

Certified Temperature: -67°F to +158°F (-55°C)

Weight: 4.4lb (2.0 kg approx)

Material: LM25 TF Marine Grade Alloy

Entries: Up to 4 off 1/2" or 3/4" NPT

Approvals:

- UL listed for US and Canada
 - Class I, Div 1, Groups C and D
 - Class I, Zone 1, AExd IIB
- cUL listed
- CSA certified

Model Number	Description	Order Code
SM87HXBAUL024RN4R4LNNR	STRB, RED LENS, 24VDC, 29CD, CLASS 1 DIV 1, RD	PX56201144
SM87HXBAUL024CN4R4LNNR	STRB, CLEAR LENS, 24VDC, 29CD, CLASS 1 DIV 1, RD	PX56201072
SM87HXBAUL110AN3R3LNNR	STRB, AMBER LENS, 110VAC, 29CD, CLASS 1 DIV 1, RD	PX869166

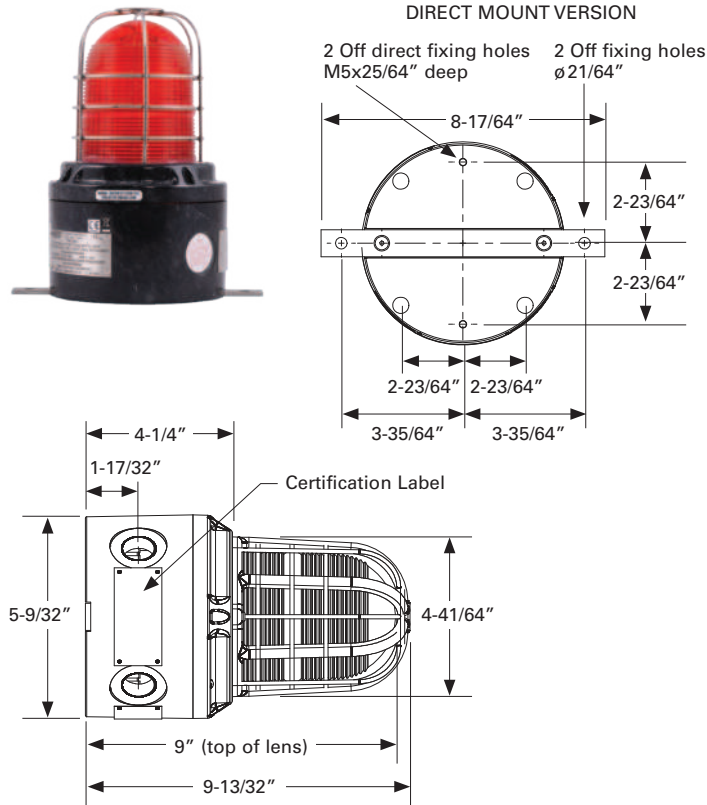
Additional configuration options available: Body & lens color, tag & duty labels, certification, lens guard, flash rate, voltages 24–48 VDC, 110–254 VAC.

See the SM87HXB product specification sheet or contact the Eaton Customer Service Team.

	DC		AC 50/60 Hz			
Voltage	24	48	110	120	240	254
Peak Current	393	175	250	275	135	153
Consumption (mA)						
Effective Intensity	29	29	32	39	39	44
Tube Energy	5	5	6	7	7	8

Lens Color	Multiplying factor for colored lenses
Red	0.15
Blue	0.12
Amber	0.51
Green	0.49
Yellow	0.86

Strobes



MEDC XB15 High Intensity Strobes

Available features and options:

- NEMA 4x and 6, IP66 & 67
- 4-Wire monitored connection
- Automatic synchronization from the same power source and on a single loop
- 15 Joule - 382 candela
10 Joule - 280 candela
5 Joule - 107 candela

Lens Color: Red, Blue, Green, Yellow, Amber, Clear

Voltage: 24 VDC, 48 VDC, 110 VAC, 120 VAC, 230 VAC, 240 VAC

Certified Temperature: -67°F to +158°F (-55°C to +70°C)

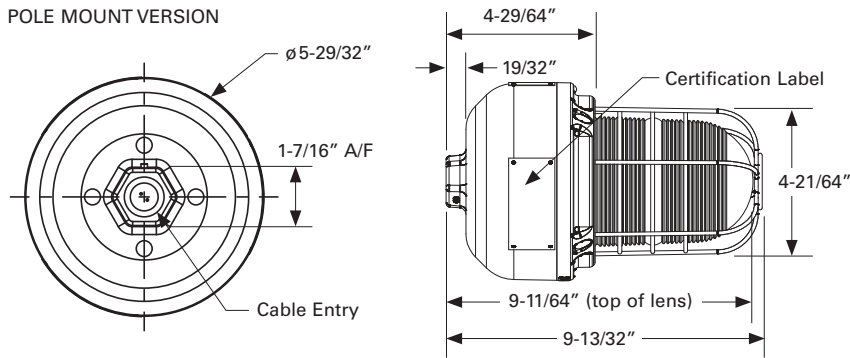
Finish: Red or Black

Weight: 5-3/4 lbs/2.6 kg Pipe Mount, 6-1/2 lbs/3.0 kg Direct Mount

Material: Corrosion-free GRP

Approvals:

- UL listed for US and Canada
 - Class I, Div 2, Groups A, B, C and D
 - Class II, Div 2, Groups F and G
 - Class I, Zone 1, AExd IIC T4/T5/T6



Suggested Model Numbers	Joules	Description	Order Code
XB15UL0241506CWBAR	15	STRB, CLEAR LENS, 24VDC, 382CD, CLASS 1 DIV 2, RD	PX37601475
XB15UL0241506RWBAN	15	STRB, RED LENS, 24VDC, 382CD, CLASS 1 DIV 2, BLK	PX37601476
XB15UL0241506RWPAN	15	STRB, RED LENS, PIPE MT, 24VDC, 382CD, CL 1 DIV 2, BLK	PX37601477

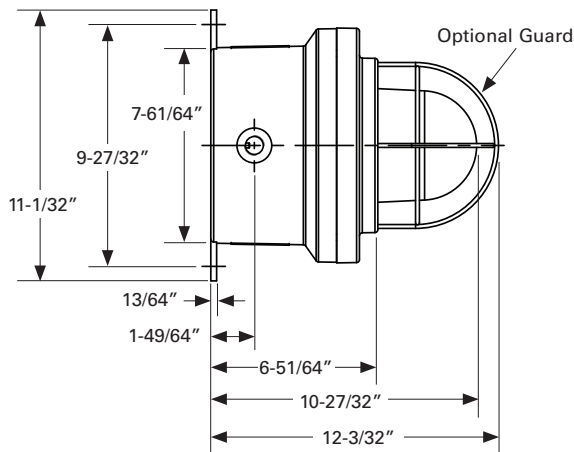
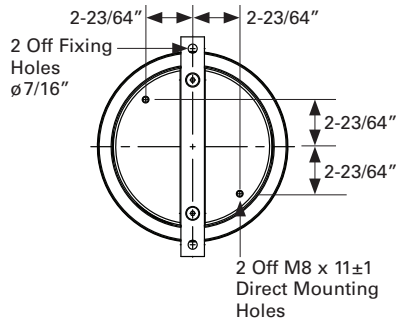
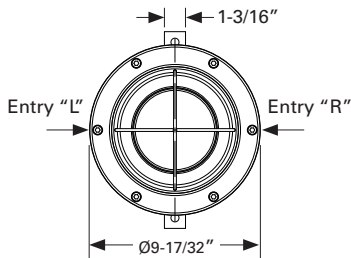
Additional configuration options available: Body & lens color, relay initiate, flash rate, voltages 24–48 VDC, 110–240 VAC. See the XB15 product specification sheet or contact the Eaton Customer Service Team.

	DC		AC 50/60 Hz			
Voltage	24	48	110	120	230	240
XB15 Tube Energy (Joules)	15	15	15	15	15	15
Effective Intensity	382	330	330	330	330	330
Tube energy (Joules)	10	10	10	10	10	10
Effective Intensity	280	280	280	280	280	280
Tube energy (Joules)	5	5	5	5	5	5
Effective Intensity	107	107	107	107	107	107

Lens Color	Multiplying factor for colored lenses
Red	0.12
Blue	0.11
Amber	0.29
Green	0.22
Yellow	0.74

See product specs here, or contact your local representative for more information.

Strobes



MEDC **XB12** Strobes

Available features and options:

- NEMA 4x and 6, IP66 & 67
- 4-Wire monitored connection

Lens Color: Red, Blue, Green, Yellow, Amber, Clear

Voltage: 24 VDC, 110–240 VAC

Certified Temperature: –67°F to +158°F (–55°C to +70°C)

Weight: 15.5 lb (7.0 kg)

Entries: Up to 2–1/2" NPT

Material: Corrosion-free GRP

Approvals:

- UL listed for US and Canada
 - Class I, Div 2, Groups C and D
 - Class I, Zones 1 and 2, AExd IIB T4/T5
 - CSFM approved

Model Number	Description	Order Code
XB12UL02406CNBNNNR	STRB, CLEAR LENS, 24VDC, 255CD, CLASS 1 DIV 2, RD	PX22600456

Additional configuration options available: Body & lens color, tag & duty labels, lens guard, flash rate, certification, mounting method voltages 24 VDC, 110–240 VAC.

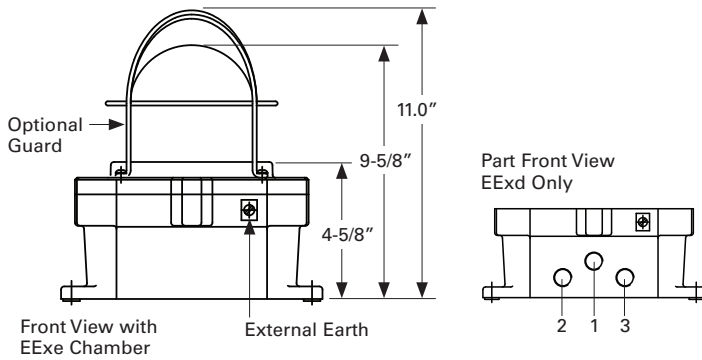
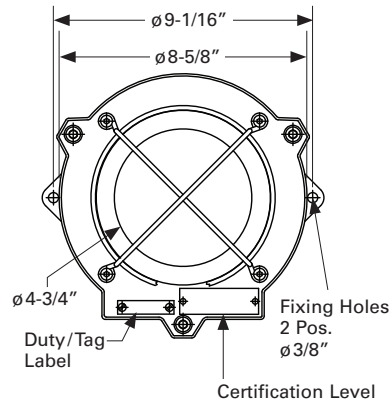
See the XB12 product specification sheet or contact the Eaton Customer Service Team.

	DC	AC 50/60 Hz	
Voltage	24	110	240
XB12 Tube Energy (Joules)	21	21	21
Peak Current Consumption (mA)	1400	350	185
Effective Intensity	355	355	355

Lens Color	Multiplying factor for colored lenses
Red	0.15
Blue	0.12
Amber	0.51
Green	0.49
Yellow	0.86

Note: The cd figures are for a clear lens @ 1Hz flash rate.

Strobes

**MEDC XB4 Strobes****Available features and options:**

- NEMA 4x and 6, IP66 & 67
- 4-Wire monitored connection

Lens Color: Red, Blue, Green, Yellow, Amber, Clear**Voltage:** 24VDC, 110 VAC, 240 VAC**Certified Temperature:** -67°F to +158°F (-55°C to +70°C)**Finish:** Red**Weight:** LM25: 14.5 lb (6.6 kg); Stainless Steel: add 18.5 lb (8.5 kg)**Entries:** Up to 3 x 1/2" or 3/4" NPT**Material:** Alloy or Stainless Steel**Approvals:**

- UL listed for US and Canada
 - Class I, Div 1, Groups C and D
 - Class I, Zone 1, AExd IIB T4

Model Number	Description	Order Code
XB4ULB8D2E3E06ANCN1R	STRB, CLEAR LENS, 24VDC, 355CD, CL 1 DIV 1, RD	PX18800386
XB4ULB8D2E3E06ANRN1R	STRB, RED LENS, 24VDC, 355CD, CL 1 DIV 1, RD	PX869121

Additional configuration options available: Body & lens color, tag & duty labels, lens guard, flash rate, certification, voltages 24 VDC, 110 VAC, 240 VAC.

See the XB4 product specification sheet or contact the Eaton Customer Service Team.

	DC	AC 50/60 Hz	
Voltage	24	110	240
XB4 Tube Energy (Joules)	21	21	21
Peak Current Consumption (mA)	1400	350	185
Effective Intensity	355	355	355

Lens Color	Multiplying factor for colored lenses
Red	0.15
Blue	0.12
Amber	0.51
Green	0.49
Yellow	0.86

Note: The cd figures are for a clear lens @ 1Hz flash rate.

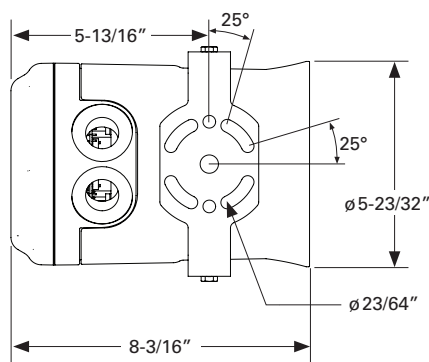
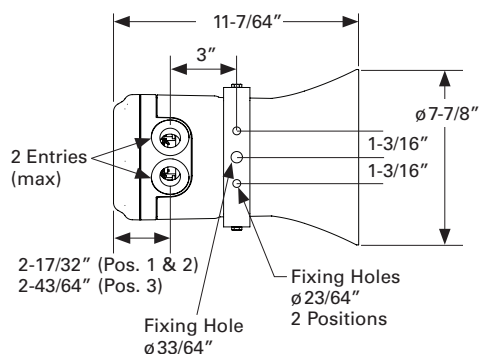
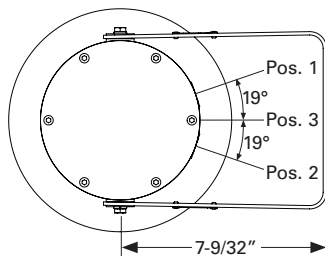


Explosion-Proof and Hazardous Area Horns, Speakers & Combination Units

Eaton features a variety of horns, speakers and combination horn strobes and speaker strobes designed to cope with the harsh environmental conditions found offshore and onshore in the oil, gas and petrochemical industries.



Horns



MEDC DB3B Horns

Available features and options:

- Glass Reinforced Polyester (GRP) with high-impact thermoplastic polyester
- NEMA 4x & 6, IP66 & 67
- Integral volume control
- Up to 112 dB output @ 10 ft
- 28 Tones, user selectable

Finish: Natural Black, Red, Special Finish

Mounting: Stainless steel bracket and cover screws

Voltage: 12–48 VDC, 110 VAC up to 254 VAC

Certified Temperature: -67°F to +185°F (-55°C to +85°C)

Entries: Up to 2 x 1/2" NPT

Weight: 10 lb (4.6 kg)

Approvals:

- UL listed for US and Canada
 - Class I, Div 2, Groups A–D
 - Class I, Zone 1, Ex d IIC/AEx d IIC Gb
 - Class II, Div 2, Groups F and G
 - Zone 21, AEx tb IIIC
 - Class III, Div 1

Model Number	Description	Order Code
DB3BULG048N2CPNR	MULTITONE, 48VDC, 115dB, CL 1 DIV 2, RD	PX41900061
DB3BULG120N2CPNR	MULTITONE, 110VAC, 115dB, CL 1 DIV 2, RD	PX41900103

Additional configuration options available: Body Color, tag & duty labels, end of line resistor, certification, voltages 12–48 VDC, up to 254 VAC. See the DB3B product specification sheet or contact the Eaton Customer Service Team.

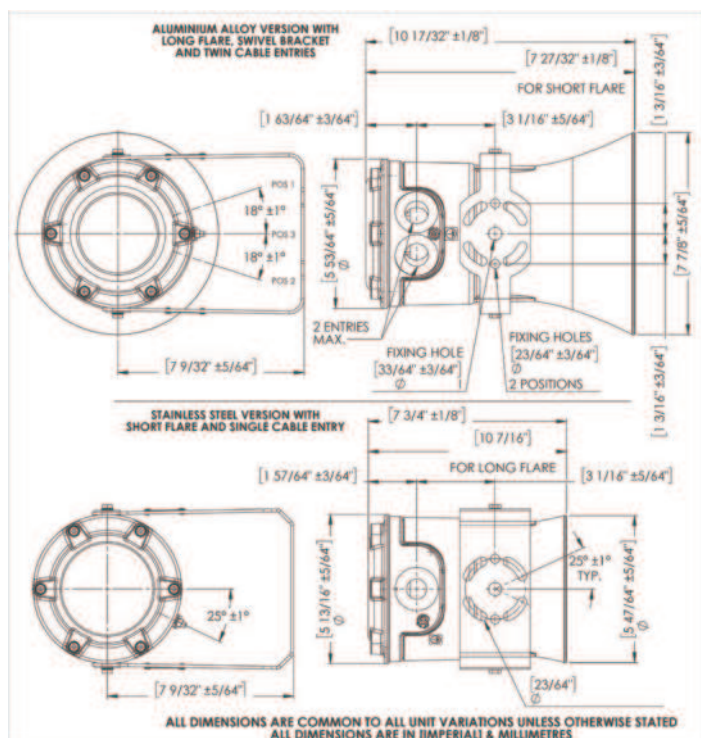
Max Sound Levels

Flare Type	Maximum output (dB) 1400 Hz @ 10 ft.
Short GD	103dB
Long GD	106dB
Short G	109dB
Long G	112dB

Current Consumptions

Voltage	IIC unit	IIIC unit
12 VDC	700 mA	716 mA
24 VDC	329 mA	339 mA
48 VDC	171 mA	173 mA
110 VAC	115 mA	122 mA
120 VAC	106 mA	113 mA
220 VAC	59 mA	63 mA
230 VAC	52 mA	55 mA
240 VAC	55 mA	58 mA
254 VAC	59 mA	63 mA

Horns



MEDC DB3BM Horns

Available features and options:

- UL certified for USA and Canada
Class I, Div 1, Groups A, B, C & D
Canada B, C & D
Class I, Div 2, Groups A, B, C & D
Class I, Zone 1
Class II, Div 2, Groups F & G
Zone 21
Class III, Div. 2
Fire alarm and general use
- Certified temperature -60°C to +85°C (-76°F to + 185°F)
- IP66 & IP67
- Up to 106dB output @ 10 feet
- Integral volume control
- 28 tones, user selectable
- 3 stage unit remotely switchable
- Tones can be programmed to customer's specification
- DC supply voltage between 12V and 48V
- End of line resistor option
- Horn and strobe combination units available, for further details contact MEDC
- Ex enclosure - 316L stainless steel or LM25TF marine grade alloy
- Flare - high impact thermoplastic polyester
- Stainless steel mounting bracket and cover screws
- Mounting bracket has ratchet facility as standard
- Optional swivel bracket available

Finish: Body- Painted black. Flare- natural black, natural red or painted as specified

Mounting: Stainless steel bracket with ratchet facility, optional swivel bracket available

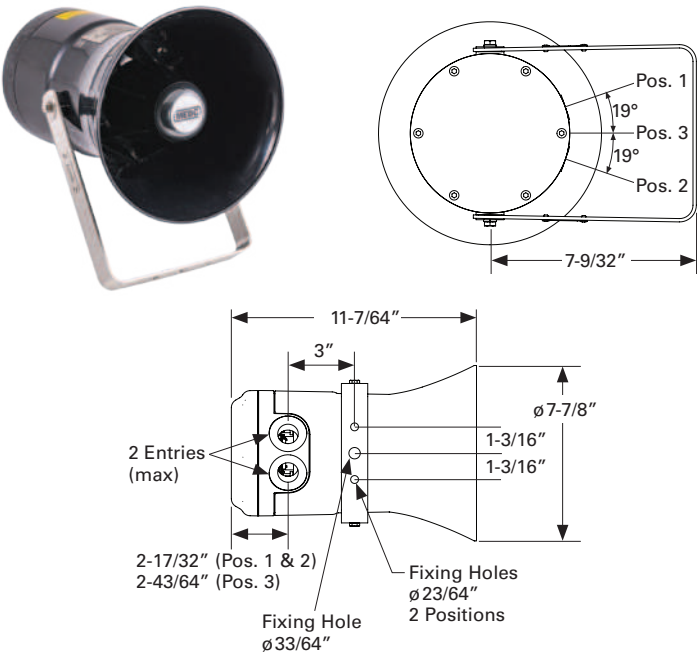
Voltage: 12-48Vdc, Up to 240Vac

Certified Temperature: -76°F to +185°F (-60°C to +85°C) T4/T135°C
-76°F to +131°F (-60°C to +55°C) T5/T100°C
-76°F to +104°F (-60°C to +40°C) T6/T85°C

Entries: Up to 2 x M20 or M25 or 1/2" or 3/4" NPT. Blanking plug available

Weight: Alloy - 9 3/4 lbs/ 4.4 kg, stainless steel 18 1/2 lbs/ 8.35 kg long flare DC unit

Speakers



MEDC DB4B Speakers

Available features and options:

- Corrosion-resistant GRP
- NEMA 4x and 6, IP66 & 67
- 114 dB at 25 watts @ 10 ft
- 8, 15, and 25 Watt versions
- Power tapings, via integral transformer

Color: Red

Mounting: Bracket with ratchet facility

Power: 8 watts, 15 watts, 25 watts

Certified Temperature: -67°F to +158°F (-55°C to +70°C)

Entries: Up to 2 x 1/2" NPT

Weight: 11 lbs (5.0 kg)

Approvals:

- UL listed for US and Canada
 - Class I, Div 2, Groups A–D
 - Class I, Zone 1, Ex d IIC/AEx d IIC Gb
 - Class II, Div 2, Groups F and G
 - Zone 21, AEx tb IIIC
 - Class III, Div 1

Model Number	Description	Order Code
DB4BULG1570N2CPCR	SPKR, 70 VRMS, 15W TRANSFORMER, CL 1,DIV 2, RD, 1.5 µF cap	PX39900057
DB4BULG2570N2CPCR	SPKR, 70 VRMS, 25W TRANSFORMER, CL 1 DIV 2, RD, 1.5 µF cap	PX39900058

Additional configuration options available: Body Color, tag & duty labels, transformer, certification, power 25W, 15W, 8W.

See the DB4B product specification sheet or contact the Eaton Customer Service Team.

Note: For fire system applications, a transformer and 1.5µF capacitor is required on all DB4B products and should be noted on your order.

Transformer Trappings	Power		
	25W*	15W*	8W*
1:2	25.0	15.0	8.0
2:3	12.5	7.5	4.0
3:4	6.0	5.0	2.0
1:3	4.0	4.0	1.5
2:4	2.0	2.0	0.7
1:4	1.0	0.8	0.4

* Include blocking capacitor for DC supervision of field wiring.

Transformer Options:

- i) Loop in/Loop out: (4 x 2) terminal tap change (8 terminals)
- ii) Optional Tapping: 4 terminal tap change with 2 terminals (5 & 6) directly connected to driver (8 ohms).

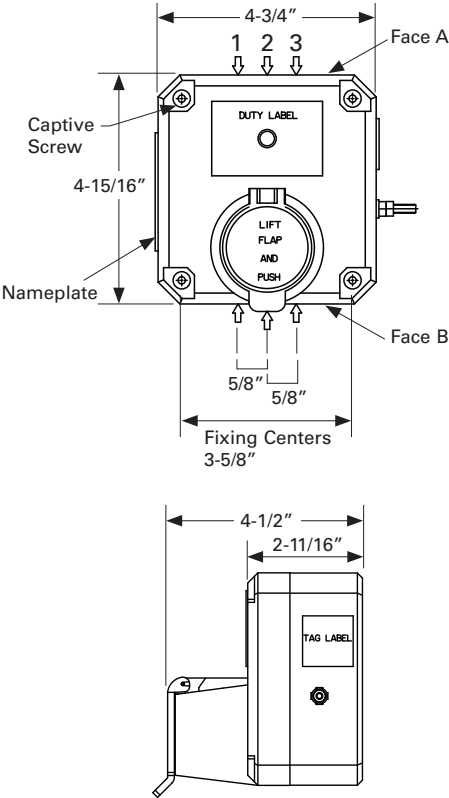
Frequency Range: 400Hz to 8kHz



Explosion-Proof & Hazardous Location Call Points & Bells

Eaton offers a broad range of Explosion-Proof and Hazardous Location Call Points designed for activation of fire alarm panel and UL certified bells.

Call Points



MEDC PB Call Points

Available features and options:

- Manual Alarm Call Points designed for hazardous locations
- NEMA 4x & 6, IP66
- In-line and end-of-line resistors fitted
- Optional LED to indicate operation
- Glass Reinforced Polyester (GRP)

Color: Red

Certified Temperature: -13°F to +131°F (-25°C to +55°C)

Weight: 2.6lbs / 1.2Kg - model dependent

Entries: Up to 4 entries 1/2" NPT

Weight: 2.6 lb (1.2 kg) varies with model & entries

Approvals:

- UL listed
 - Class I, Div 2, Groups A–D
 - Class II, Div 2, Groups F and G
 - Class I, Zone 2
- CSA

Model Number	Description	Order Code
PBUL4C6C4DSN7R	PUSH BUTTON, CL 1 DIV 2, FIRE LABEL, RD	PX48000098

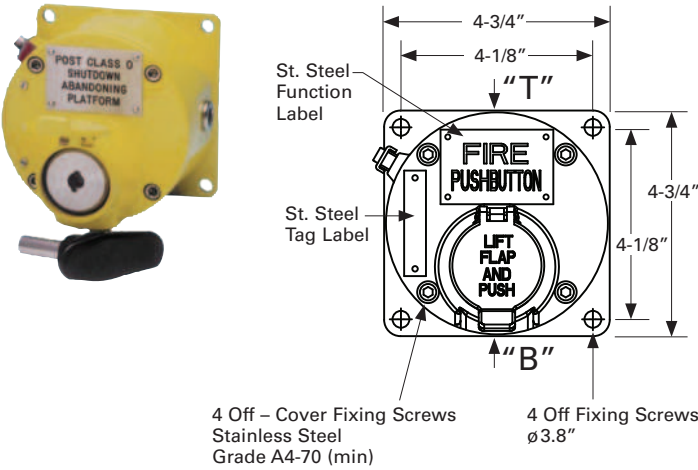
Additional configuration options available: Body color, LED, series & EOL resistors, diode, earth continuity (not UL), turn & push, self reset, tag & duty labels.

See the product specification sheet or contact the Eaton Customer Service Team.

Terminals: Will accept up to 14AWG cable

Material: Corrosion-free GRP

Call Points



MEDC **SM87PBL** Call Points

Available features and options:

- Call Point designed for hazardous environmental conditions
- Easy to install and maintain
- IP66 & 67

Color: Red, Blue, Yellow, Yellow/Black Stripes

Certified Temperature: -40°F to +158°F (-40°C to +70°C)

Entries: Up to 4 entries 1/2" or 3/4" NPT

Weight: 5.5 lb (2.5 kg) varies with model & entries

Approvals:

- UL listed
 - Class I, Div 1, Groups C and D
 - Class I, Zone 1
- CSA

Model Number	Description	Order Code
SM87PBLAUL3T3B3NNR	PUSH BUTTON, CL 1 DIV 1, FIRE LABEL, RD	PX36200102

Additional configuration options available: Body color, LED, series & EOL resistors, diode, earth continuity (not UL), turn & push, self reset, tag & duty labels.

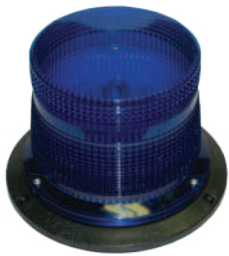
See the product specification sheet or contact the Eaton Customer Service Team.

Terminals:	Will accept up to 14AWG cable
Material:	LM25 TF Marine Grade Alloy
Resistors:	470R minimum
Switch Rating:	2 amp, 2 pole c/o, wired to terminals



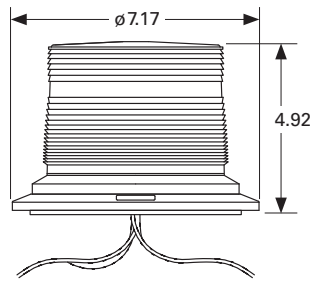
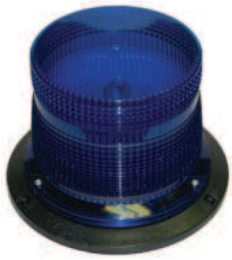
Industrial Signals

- Strobes
- Multitones & Multitone Strobes
- Bells
- Horns



Industrial Strobes and Multitone

Strobes



MAX Strobes

Available features and options:

- Designed for high-intensity, weather-resistant visible warning
- Powerful double flash light burst
- 60 Double flashes per minute
- Durable, high-impact Lexan, construction
- Intended for supplemental warning

Strobe Colors: Amber, Blue, Clear and Red

Mounting: 1/2" pipe, surface mount, flange mount, standard 4" square electrical box or Wheelock WBB weather resistant backbox (order code 2959)

Approvals: UL Standard 1638 for indoor and outdoor use

Model Number

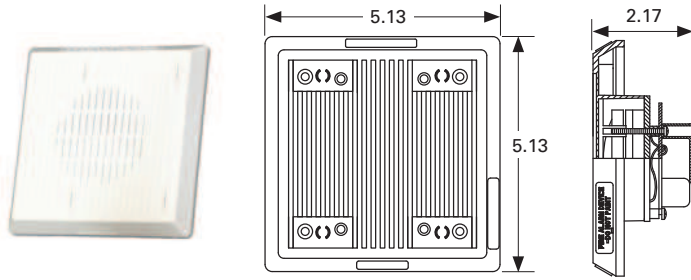
120 VAC	Finish	Order Code
Double Flash		
AC-MAX-A	Amber	8120
AC-MAX-B	Blue	8121
AC-MAX-C	Clear	8122
AC-MAX-R	Red	8124
10.5 - 31.0 VDC Double Flash		
DC-MAX-A	Amber	8130
DC-MAX-B	Blue	8131
DC-MAX-C	Clear	8132
DC-MAX-R	Red	8134
Double Flash w/ two 7 watt lamps		
DC-MAXS-A	Amber	8135
DC-MAXS-B	Blue	8136
DC-MAXS-C	Clear	8137
DC-MAXS-R	Red	8139

AC-MAX

Color	Effective Candela (cd)	Current Draw
Amber	80cd	0.20 @ 120 VAC
Blue	12cd	
Clear	100cd	
Red	20cd	

DC-MAX and DC-MAXS

Color	Effective Candela (cd)	Current Draw
Amber	80cd	1227 mA @10.5 VDC
Blue	12cd	1010 mA @12 VDC
Clear	100cd	470 mA @ 24 VDC
Red	20cd	344 mA @ 31 VDC

Multitone**AMT Multitone****Available features and options:**

- 3 Distinct prioritized audible signals from 3 isolated inputs
- Ideal for combination fire and burglary and suppression systems

Finish Color: Red or White**Mounting:** Wall or Ceiling**Voltage:** 12/24 VDC horn only; 24 VDC horn strobe**Strobe Candela:** 15/30/75/110cd or 135/185cd**Approvals:** UL, CSFM, FM, ULC**Wall or Ceiling Mount Multitones**

Model Number	Finish	Order Code
AMT-12/24-R	Red	5887
AMT-12/24-W	White	5893

Mounting Options: D, E, F, L, M, N, O, P, R

UL Max. Current

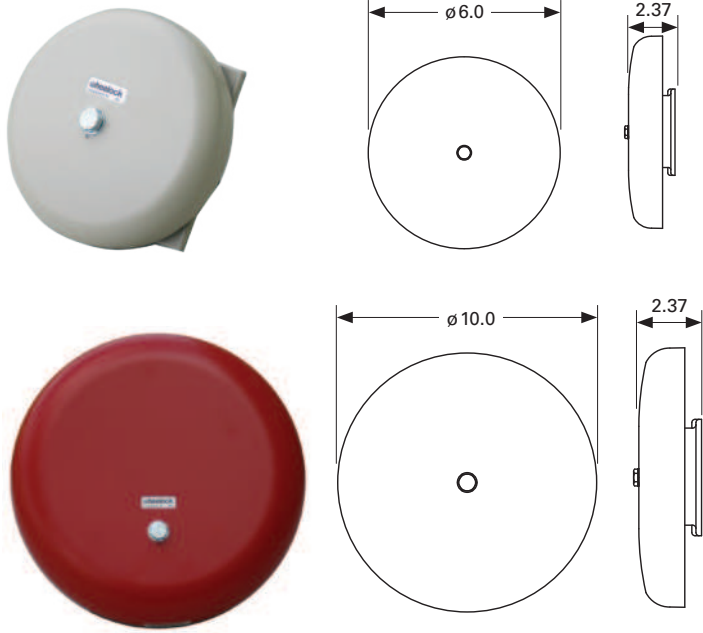
	16-33 VDC		8-17.5 VDC	
	HI Out	STD Out	HI Out	STD Out
Horn	0.108	0.043	0.210	0.058
Bell	0.057	0.026	0.117	0.031
March Time Horn	0.108	0.035	0.210	0.059
Code-3 Horn	0.108	0.043	0.210	0.057
Code-3 Tone	0.060	0.030	0.168	0.052
Slow Whoop	0.112	0.044	0.182	0.056
Siren	0.102	0.038	0.177	0.055
Hi/Lo	0.064	0.030	0.131	0.028
Vibrating Chime	0.041	0.020	0.090	0.028



Bells

- 43T Vibrating Bells
- MB Motor Bells
- dGW21 signaling bell for hazardous areas

Motor Bells



MB Motor Bells

Available features and options:

- Aluminum bell housing
- Screw terminal connections
- Motor driven
- Low power consumption
- Semi-flush mounting to standard 4" square backboxes or surface mounting to Wheelock's surface backboxes

Finish Color: Gray or Red

Mounting: Wall

Sell Size: 6" and 10"

dBA @ 10 Feet: 92

Approvals: UL, MEA, CSFM, FM, BFP, ULC

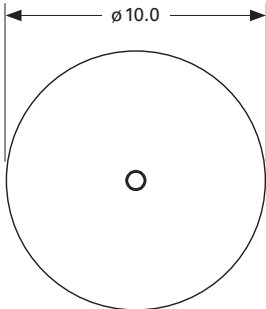
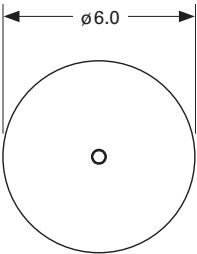
Model Number	Finish	Order Code
6" Bells		
MB-G6-12-R	Red	3942
MB-G6-12-S	Gray	4221
MB-G6-24-R	Red	3941
MB-G6-24-S	Gray	4222
10" Bells		
MB-G10-12-R	Red	3944
MB-G10-12-S	Gray	4223
MB-G10-24-R	Red	3943
MB-G10-24-S	Gray	4224

Mounting Options: D, E, J, K, R, S, Z

UL Max. Current

16-33 VDC	8-17.5 VDC	dBA @ 10 ft.
0.040	0.090	92

Vibrating Bells



43T Vibrating Bells

Available features and options:

- Aluminum bell housing
- Screw terminal connections
- Solenoid
- Low power consumption
- Semi-flush mounting to standard 4" square backboxes or surface mounting to Wheelock's surface backboxes

Finish Color: Gray or Red

Mounting: Wall

Sell Size: 6" and 10"

dBA @ 10 Feet: 86 - 88

Approvals: UL, MEA, CSFM, FM, BFP, ULC

Model Number	Finish	Order Code
6" Bells		
43T-G6-24-R	Red	1627
43T-G6-24-S	Gray	1626
43T-G6-115-R	Red	1631
43T-G6-115-S	Gray	1630
10" Bells		
43T-G10-24-R	Red	1647
43T-G10-24-S	Gray	3800
43T-G10-115-R	Red	1651
43T-G10-115-S	Gray	3693

Mounting Options: D, E, J, K, R, S, Z

Input Current

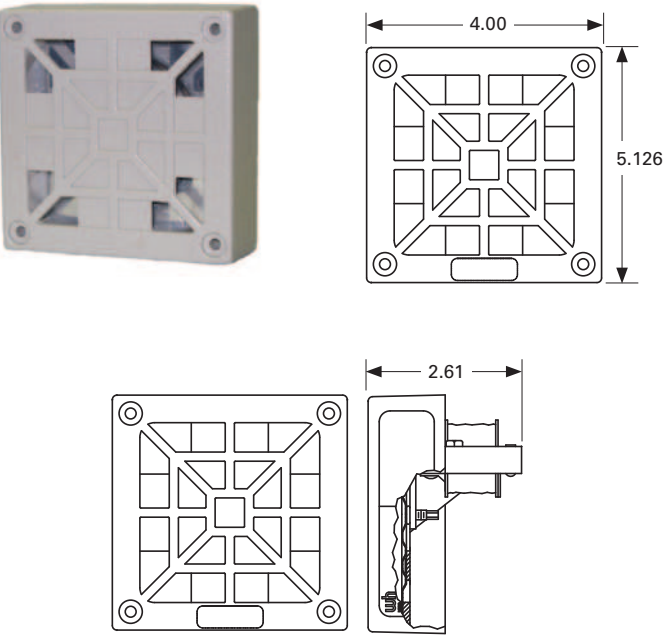
16-33 VDC	115VAC	dBA @ 10 ft.
0.410	0.085	86 - 88



Industrial Horns

- 31T Electronic Horns

Electronic Horns



31T Electronic Horns

Available features and options:

- High-performance mechanical horn
- Ideal for life safety applications
- Low current draw

Finish Color: Red or Gray

Mounting: Wall

dBA Rating: 95

Voltage: 115 VAC

Approvals: UL, FM, CSFM

Model Number	Finish	Order Code
31T-115-R	Red	2805
31T-115-S	Gray	0521

Mounting Options: D, E, J, K, N, O, R

UL Max. Current

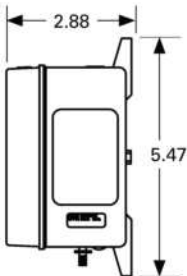
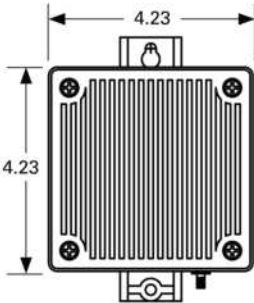
115 VAC	dBA @ 10 ft.
0.160	95

Note: Reference pages 52-60 for additional mounting information.



Telephone Signaling & Commercial Voice Evacuation

Telephone Alerts



UTA Universal Telephone Alerts

Available features and options:

- Loud attention getting electronic ringers
- Designed for use in noisy locations or for wide area coverage
- Operates off the telephone ringer voltage
- Low current draw and REN
- Tamper resistant volume control
- Dip switch selectable

Color: Gray

Four selectable sound patterns: Horn, Bell, Vibrating Chime, Single Chime

High output 109 dB piezo speaker

Approvals: UL Standard 1950, CSA, IC, DOC

Multiple voltage activation

Model Number	Color	Order Code	Power Requirements
UTA-1	Gray	6338	24 VDC, 24 VAC, 48 VDC, 90 VRMS/20-30Hz
w/ Strobe			
UTA-WH-VPS	Gray	6348	115 VAC power for strobe and piezo operation telephone ring trigger for activation via 24 VDC, 24 VAC, 48 VDC, 90 VRMS/20-30Hz

Tone Volume Range and Description

	UTA-1	UTA-WH	Description
Horn	73–108 dB	82–109 dB	Broadband Horn
Bell	61–100 dB	76–104 dB	1560 Hz Modulated (0.07 Sec. ON/Repeat)
Vibrating Chime	57–97 dB	68–94 dB	700 Hz (1.0 Sec. Decay/Repeat)
Single Chime	57–96 dB	68–94 dB	700 Hz (1.0 Sec. Decay)

Model Number	Tones	dB @ 3 feet (1 meter)				Ring Voltage Current Draw mA			REN
		48 VDC	24 VDC	24 VAC	90 VRMS 20 Hz	48 VDC	24 VDC	24 VAC	90 VRMS 20 Hz
UTA-1	Horn	107	108	105	104	26	30	46	1.6
	Bell	100	100	102	100	10	9	35	1.4
	Vibrating Chime	94	96	99	97	7	6	29	1.25
	Single Chime	94	96	100	96	6	6	34	1.25
UTA-WH-VPS	Horn	109	109	109	109	3	2.5	4	0.5
	Bell	104	104	104	104	3	2.5	4	0.5
	Vibrating Chime	94	94	94	94	3	2.5	4	0.5
	Single Chime	94	94	94	94	3	2.5	4	0.5
Voltage Range:						36–60	20–30	20–30	40–130

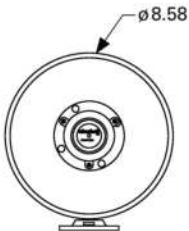
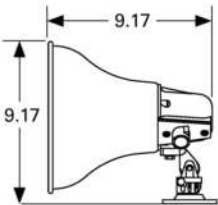
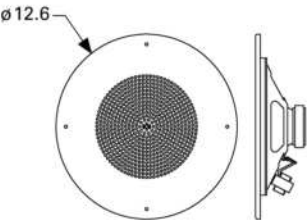


Paging Speakers, Horns, Volume Controls

Paging speakers and horns for clear, audible output of voice paging, background music, and tone alerting.

Volume controls for setting the loudness of speakers in individual rooms or areas.

Paging Speakers & Horns



Model Number	Color	Order Code
8", flush mount		
ST-C8	White	4114
ST-C8M (metal)	White	8474
8", flush mount, recessed volume control		
ST-C8V	White	4871
8" D, 15 Watt		
STH-15-B	Beige	5147
10", 30 Watt		
STH-30	Beige	5148

	dBa @ 1 meter	Frequency Response
8"	86	80 Hz–14,000Hz

Sound output measured at 1W @ 2KHz for ST-B4, ST-C8, ST-C8V, ST-C8MV.

	dBa @ 1 meter	Frequency Response
15 Watt	122	275 Hz–10,000 KHz
30 Watt	125	275 Hz–10,000 KHz

Full rated power for STH15-B and STH30.

ST Paging Speakers and Horns

Available features and options:

- Provides clear, audible output for voice paging, background music and tone alerting.

Speaker Size: 8" or 10"

Mounting: Flush or surface mount

Grilles: Metal or plastic

Color: White, beige

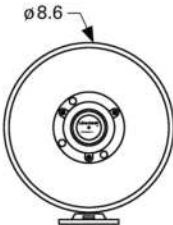
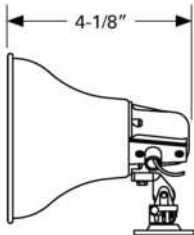
STH-30 Wattage Selector Switch Positions

	1	2	3	4	5	6	7
25V	0.3	0.5	0.9	1.9	3.8	6.9	13.9
70V	2.0	3.8	7.5	15.0	30.0	–	–
100V	4.0	7.5	15.0	30.0	–	–	–

STH-15B Wattage Selector Switch Positions

	1	2	3	4	5	6	7
25V	–	–	0.48	0.94	1.8	7.5	15.0
70V	1.0	2.0	3.8	7.5	15.0	–	–
100V	2.0	4	7.5	15.0	–	–	–

Horns



SA Self-Amplified Paging Horns

Available features and options:

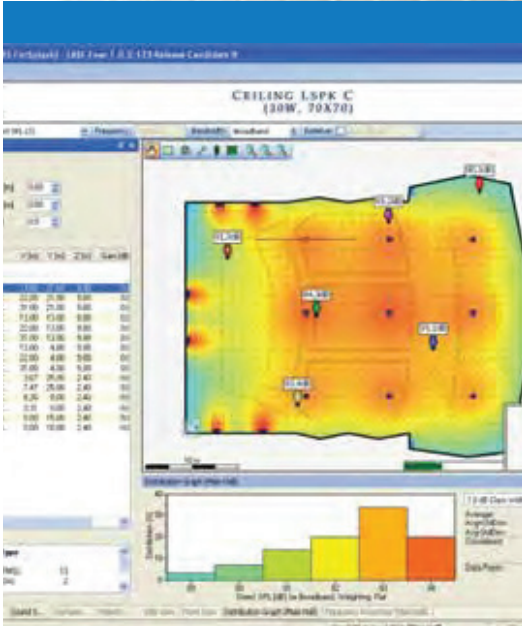
- Universal, fully adjustable mounting base with banding slots for beams and pillars
- Conduit interface adapter with clear plastic shield
- Weatherproof

Mounting: Surface

Model Number	Color	Order Code
8", 5 Watt		
SA-H5-B	Beige	5145
8", 15 Watt		
SA-H15-B	Beige	5146

	dBA @ 1 meter	Frequency Response	Power Output @ 1000 Hz/ Nominal Current
5 Watt	114	375 Hz–14,000 Hz	5 watts/325 mA
15 Watt	117	375 Hz–14,000 Hz	15 watts/1.4 Amps 7.5 watts/900mA

SA Series speakers have barrier, clamp-type screw terminals, impedance: 600 Ohms/operating voltage: 18-28 VDC. Sound output (dBA @ 1 meter) measured at rated power output at 100 Hz.



Available exclusively from AMFG

To order EASE Evac software or register for a trial version, visit: <http://evac.afmg.eu/>

For technical support on EASE Evac:

Email: support-us@afmg.eu
Hotline: 855-411-2364

Eaton is not endorsing, supporting or selling AFMG's EASE Evac voice evacuation software. We are pleased to offer speaker data files for EASE Evac to help integrators and installers design for intelligibility. Eaton makes no representations whatsoever with regard to the quality or function of AFMG's EASE Evac software.

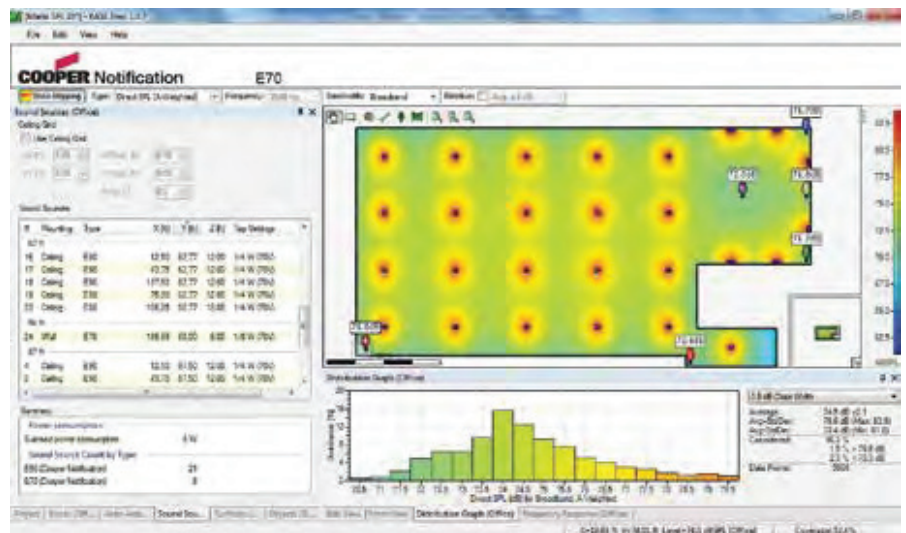
EASE and AFMG are registered trademarks of AFMG Technologies GmbH.

Eaton is pleased to offer speaker data files for EASE Evac software program. The GLL files include data on our full product line

- Import of image files, Google Sketchup, AutoCAD DXF as well as EASE models as a basis for the entry of room geometry by mouse or in a table.
- Auto-arrange function for fast layout of ceiling-mounted sound systems.
- Insertion and modification of individual ceiling- and wall-mounted sound sources.
- Top view, side, and front view for easy loudspeaker placement and intuitive investigation of sound distribution in the vertical plane.
- Mapping of Direct SPL (Z or A-Weighted), Total SPL (Z or A-Weighted), S/N Ratio.
- Room acoustic calculations based on definition of reverberation time or assignment of acoustic materials to surfaces according to Eyring & Sabine.
- Mapping of speech intelligibility as STI (IEC 60268-16), CIS, ALCons.
- Analysis in 1/3rd octave, 1/1 octave, 3/1 octave bandwidth or broadband, frequency range from 100 Hz to 10 kHz.
- Relative mapping function and distribution graph for statistical analysis of coverage.
- Frequency response plots for multiple receiver locations, relative or absolute display.
- Section plan for user-defined mappings in the vertical plane.
- Printable report document including all results and drawing details.
- Export of drawings in AutoCAD DXF, Google Sketchup, EASE formats or as image file.
- Calculation engine based on EASE 4.3 industry standard for electro- and room-acoustic modeling.
- Expandable database of common noise levels, surface materials, 3D objects and sound sources.
- Supports multiple rooms within one project.
- Display and data entry in metric units or US units.
- User-defined colors and window layout.

To import speaker data files:

Visit <http://www.eaton.com/massnotification/software> and scroll to Wheelock EASE Evac Software.





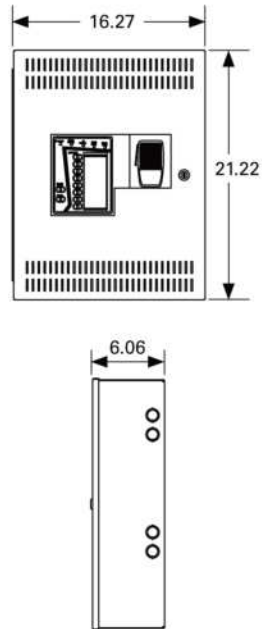
Voice Evacuation

Providing voice evacuation/emergency communications systems, for delivering real-time information to people in a building.



Indoor Communications System & Accessories

The SAFEPath voice evacuation system (SP40S) and accessories provide supervised in-building emergency communications. The multi-use system can function as an evacuation system, emergency messaging system, paging system, employee notification system and a background music system.

Voice Evacuation System**SAFEPATH SP40S Voice Evacuation System****Available features and options:**

- Multi-Function Supervised Paging, Messaging, Background Music Delivery and Emergency Voice Evacuation System
- 24 VDC battery backup
- On-board digital voice messaging system with 8 standard messages
- Hand-held microphone and power supply/battery charger
- Expandable to 5280 watts
- Contact closure message activation
- 40 Watts supervised audio power
- Compatible with all Wheelock power supplies, speakers, strobes, clusters, and high power speaker arrays

Approvals: UL, CSMF, MEA, FCC

Model Number	Order Code	Description
SP40S	9929	Single channel system with 40 watts of supervised audio power and 2 amps of supervised 24 VDC synchronized strobe power and 8 standard messages. (Batteries not included, 2 required.) Red Enclosure.
SP40S-B	9935	Same as above but with black enclosure
SP40S-D	9781	Single channel system with 40 watts of supervised audio power and 2 amps of supervised 24 VDC synchronized strobe power and 8 standard messages. (Batteries not included, 2 required.) Red Enclosure. Includes 10-minute message time-out feature.
SP40S-D-B	9854	Same as SP40S-D but with black enclosure
BAT-1212	7390	12 volt, 12-ampere hour battery
AM-SP40S-SMK	9937	SP40S After Market 8 Message Standard Message Kit
AM-SP40S-PMK	9938	SP40S After Market 8 Message Programmed Message Kit
AM-SP40S-NBT	9939	SP40S After Market Narrow Band Signal Tone Kit
SP-COA	9908	C.O. Port Adapter for the SP40S Recommended 24 VDC Power Supply is Wheelock RPS-2406 (Order Code 3770)

Audio/Technical Specifications

Switch mode, Class D amplifier (40 Watts)	
Speaker Outputs	25V or 70.7V power limited
Frequency Response	Voice: 275 Hz–6.5 kHz BGM: 100 Hz–15 kHz Meets UL Voice Evacuation Requirements of 800–2800 Hz
Signal to Noise Ratio	Better than 65 dB
Dynamic Range	Better than 65 dB
Total Harmonic Distortion	Less than 2%
Stand by Current Draw	130 mA
Alarm Current Draw	4.7 amps

SAFEPATH Remote Microphone and Expansion Module

Available features and options:

SPRM

- Remote Microphone for use with the SAFEPATH Facility Communications System SP40S or SP4-RMX.
- Can be mounted up to 2,000 feet away from the SP40S

SP4-RMX

- Remote Microphone Expansion Module expands one microphone from the SP40S or up to 3 remote microphones
- Provides for an auxiliary input for connection of an external VoiceLink message repeater for additional messages

Microphone & Expansion Module



Model Number	Order Code	Description
SPRM	8996	Remote Microphone for use with the SP40S, SPB-320, SPB-160, SPB-80/4 or SP4-RMX; red plate
SPRM-GP	9927	General Paging Microphone for use with the SPB-320, SPB-160, or SPB-80/4; black plate

- The SP4-RMX will provide the capability of connecting up to (3) three Remote Microphone Stations (SPRM)
- When connected to the SP40S, two SP4-RMX units can be cascaded together to provide up to six remote microphones
- Can accept a line level input coupled with a contact closure for broadcasting of other information
- OSHA 1910.165, ADA and UFC compliant

Enclosure:

Dimensions: 13"H x 7.6"W x 2.15"D
 Color: Black
 Wall mountable

Approvals: UL

Model Number	Order Code	Description
SP4-RMX	9919	Remote Microphone Expansion Module

- Supervised hand-held push-to-talk microphone
- Key required to enable remote microphone use
- Wiring terminals for quick connect/disconnect accepting 12–22 AWG
- Individual front panel LED indication for System Normal, System Trouble and Alarm
- Remote microphone usage disengages background music and general paging
- 6-Wire connection to the SP40S or SP4-RMX
- Mounting plate is red and measures 8-3/4" x 5-1/4", fits into a 4-gang back box
- All output circuitry is Power Limited

Input current: Standby: 23mA, Alarm: 30mA

Approvals: UL, CSFM

Speaker Audio Splitter



SAFEPATH Speaker Audio Splitter

Available features and options:

- Supervised 2-Zone Class A or 4-Zone Class B Speaker Audio Splitter for the SP40S or Audio Booster
- Enables a single supervised speaker audio output to drive up to two Class A supervised speaker audio outputs or four Class B supervised speaker audio outputs
- 2 Class A or 4 Class B
- Removable wiring terminals for quick connect/disconnect accepting 12–22 AWG
- LEDs Power and Trouble LEDs, Individual zone short and open LED indication
- Space provided to allow for naming of the zones
- Standby and Alarm current at 24VDC: 15mA

Approvals: UL, CSFM, MEA

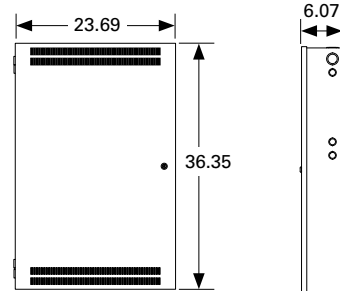
Model Number	Order Code	Description
SP4Z-A/B	9900	Supervised 2-Zone Class A or 4-Zone Class B Speaker Audio Splitter for the SP40S or Audio Boosters
SPMB4Z	9907	Mounting Bracket for the SP4Z-A/B is required when used with the Audio Boosters

Note: The Speaker Splitter-Mounting Bracket (SPMB4Z) is required when the Speaker Splitter is used in Audio Boosters. The SPMB4Z can support two splitters.

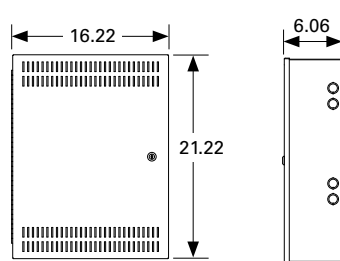
Audio Boosters



SPB-320



SPB-80/4, SPB-160

SAFEPATH **SPB** Audio Boosters

Available features and options:

- Designed to provide for additional supervised audio power for live voice, pre-recorded messages or background music (BGM)
- Fully supervised patent pending circuitry is always in effect
- The SPB-320, SPB-160 and the SPB-80/4 easily connects to the Wheelock SP40S
- Multiple SPB-320, SPB-160 and SPB-80/4 Audio Boosters can be interconnected to accommodate large installations

Approvals: UL Standard 864, 9th edition, and California State Fire Marshal (CSFM), New York City (MEA)

Compliance: OSHA 1910.165, ADA, UFC

Input from SP40S: 70V or 25V

Input from SP4-RMX: 1 Volt input from

80 watt Speaker output circuits (SPB-320 has four, SPB-160 has two and the SPB-80/4 has one and two 2-amp strobe circuits)

Audio Speaker Outputs: 70V or 25V

Model Number	Order Code	Description
SPB-320	9918	320 Watt Supervised (four 80 watt circuits)
SPB-320E	6336	320 Watt Supervised (four 80 watt circuits), 220 VAC input
SPB-320E-B	6353	320 Watt Supervised (four 80 watt circuits), 220 VAC input, black enclosure
SPB-160	8989	160 Watt Supervised (two 80 watt circuits), red enclosure
SPB-160-B	9930	160 Watt Supervised (two 80 watt circuits), black enclosure
SPB-160E	6149	160 Watt Supervised (two 80 watt circuits), 220 VAC input
SPB-160E-B	6150	160 Watt Supervised (two 80 watt circuits), 220 VAC input, black enclosure
SPB-80/4	8988	80 Watt Supervised with 4 Amps of Supervised and Synchronized Strobe Power (two 2 Amp circuits), red enclosure
SPB-80/4-B	9931	80 Watt Supervised with 4 Amps of Supervised and Synchronized Strobe Power (two 2 Amp circuits), black enclosure
SPB-80/4E	6147	80 Watt Supervised with 4 Amps of Supervised and Synchronized Strobe Power (two 2 Amp circuits), 220 VAC input
SPB-80/4E-B	6148	80 Watt Supervised with 4 Amps of Supervised and Synchronized Strobe Power (two 2 Amp circuits), 220 VAC input, black enclosure

Technical Specifications

120VAC, 3.8A, 60 Hz input	
SP40SE Models 240 VAC, 2.5A, 50-60 Hz	
Standby current draw	120mA, per amplifier board
Alarm current draw	9 Amps, per amplifier board
SPB-80/4 and SPB-160 have one amplifier board	
SPB-320 has two amplifier boards	
System Frequency Response	Voice: 400 Hz–6.5 kHz BGM: 275 Hz–15 kHz
Removable quick connect/disconnect terminals, accept 12–22 AWG	
Multiple LED's for easy indication of system diagnostic conditions	
Signal to Noise Ratio	> 70 dB
Dynamic Range	> 65 dB
Total Harmonic Distortion	2%

Paging Splitter



SAFEPATH Paging Splitter

Available features and options:

- Addressable speaker zone splitter
- Mounts inside the SP40S, SPB-80/4, SPB-160 or SPB-320
- Operates on 24 VDC, supplied by the SP40S, SPB-80/4, SPB-160, SPB-320
- Handles 40 watts of supervised audio per zone
- UL Standard 864, 9th edition listed

Model Number	Order Code	Description
SP4Z-APS	9920	Addressable Paging Splitter

Telephone Zone Controller**SAFEPATH Telephone Zone Controller****Available features and options:**

- Designed for the ability to access individual or multiple speaker zones throughout the SP40S System via telephone
- Custom user programmable
- All call or selected zone(s) telephone paging
- Background music (BGM) zone(s) selectable
- Telephone input and background music (BGM) input

Model Number	Order Code	Description
SP4-TZC	9923	SP4-TZC Programming Cable

The combination of 1 SP4-TZC (controller) and up to 17 SP4-APS (splitters) can provide:

Class B

4 zones per splitter
Up to 68 individual zones (17 splitters)
17 fixed zones (groups of 4)
9 logical zones

Class A

2 zones per splitter
Up to 34 individual zones (17 splitters)
17 fixed zones (groups of 2)
9 logical zones

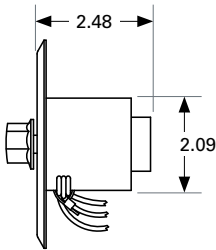
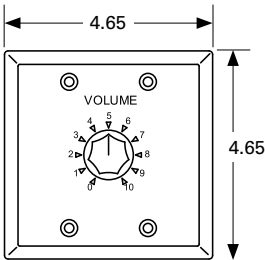
Enclosure:

Dimensions: 13"H x 7.6"W x 2.15"D
Color: Black
Wall mountable
Requires 24 VDC, model RPS-2406
Allows selections of speaker zones via a telephone keypad (DTMF tones)
One SP4-TZC (controller) can control up to 17 SP4-APS (splitters)
Telephone page input connects to stand alone telephone, unused CO port, page port
USB connection for logical zone grouping and BGM programming (supports Windows 2000 and Windows XP)
Up to 9 logical zones, (a logical zone is a user selected group of up to 5 zones, individual or fixed)
RS-485 digital control to the SP4-APS speaker splitters
Connects to the SP40S via the BGM input

RPS-2406

- 24 VDC, 600 mA, wall mounted with 6 ft. AC power cord
- Current limited, short circuit and overload protected with auto shutdown and reset

Volume Control



SAFEPATH Volume Control

Available features and options:

- Allows manual volume setting for telephone paging and background music for a specific speaker or speaker zone
- Supervised volume control for use with UL Listed Life Safety Applications
- Operates in Class B or Class A wiring (for Class A, the SP4-APS is required)
- Mounts to a double gang, 3-1/2" deep back box or 4" square and 1-1/2" deep box with a 1-1/2" extension ring and a double gang mud ring
- Stainless steel mounting plate with a black knob

Approvals: UL Standard 864 and California State Fire Marshal (CSFM) listed for use with the SP40S or SPB Audio Boosters

Compliance: OSHA 1910.165, ADA

Model Number	Order Code	Description
SP-SVC	9926	Supervised Volume Control for use with the SAFEPATH® system

Audio Power Input	Can handle up to 35 watts of 70.7 volt audio power input
Adjustment Settings	0–10, in 3dB increments
Wiring	Operates in Class B or Class A wiring (for Class A, the SP4-APS is required)
Back Box	Requires a double gang, 3-1/2" deep back box or 4" square and 1-1/2" deep box with a 1-1/2" extension ring
Maximum RMS Current	10.0mA

Operating Console



Series SAFEPATH Local Operating Console

Available features and options:

- Designed for indoor use with the SAFEPATH panels for voice evacuation applications
- Contains SAFEPATH SPRM Remote Microphone and black push-on/push-off buttons.
- All message wiring is pre-wired to a terminal block
- Internal terminal block accepts up to 16 AWG wiring for field wiring
- All output circuitry is power limited
- SP4-LOC is available in flush and surface models
- Optional HVAC Emergency Shutoff mushroom push button kit
- Can be mounted up to 2,000 feet away from SAFEPATH panel
- Remote microphone usage disengages background music and general paging

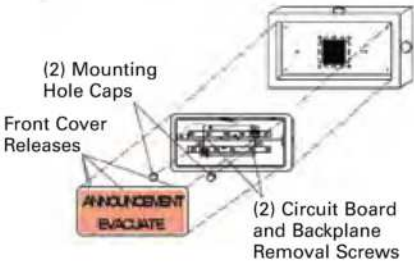
Model Number	Order Code	Description
SP4-LOC-SB	4120	Surface Mount Local Operator Console
SP4-LOC-FB	4121	Flush Mount Local Operator Console
SP4-LOC-KIT	4122	HVAC Emergency Shutoff Switch Kit*

*Currently not UL Listed

Message Display



Dimensions:
8"H x 14-1/2 W" x 2" D



LEMD Message Display

Available features and options:

- Illuminated text sign designed for mass notification systems, where a text sign is required over the door of egress stairwells or other locations.
- Two messages can be activated; Announcement or Evacuate
- Messages can be activated independently
- Message can be either steady on or flashing, set independently
- Compatible with reverse polarity supervision circuits
- Accepts #14 to #22 AWG wires
- Component Recognized to standard UL 48.

Model Number	Order Code	Description
LEMD-M	6334	LED Emergency Message Display

Voltage:	24 VDC
Current draw:	70 mA per circuit

Push Buttons

**Dimensions:**

5"H x 3-1/4 W" x 1-1/2" D

NPS Push Buttons Available**features and options:**

- For manual activation of SAFEPATH® Voice Evacuation Systems prerecorded messages
- Custom wording available
- Polycarbonate faceplate
- Stainless steel backplate
- ADA Compliant
- Mounts to single gang electrical box
- Interchangeable or replaceable Normally Open (NO) and Normally Closed (NC) Single Pole, Single Throw gold plated contact blocks rated for 3 amps @ 600 VAC or 1 amp @ 250 VDC
- Can be reset by depressing the "Push" button, and turning clockwise a 1/4 turn
- Comes with one (NO) contact and one (NC) contact

Available Colors: Red, Green, Yellow, White or Blue

Model Number	Order Code	Color	Description
NPS-R	9767	Red	Push Station for manual message activation
NPS-G	9768	Green	
NPS-Y	9769	Yellow	
NPS-W	9770	White	
NPS-B	9771	Blue	
NPS-NO	0523		Push Station Normally Open Contact
NPS-NC	0524		Push Station Normally Closed Contact

Wording Matrix for the top of the Push Station

Any "wording suffix" can be printed on any color push station.

Note: Custom wording is available, please contact customer service.

Examples:

9767-003 NPS-R-003 Red Push Station, Colors
 9771-010 NPS-B-010 Blue Push Station, Low

Wording Matrix

Wording	Model Suffix	Wording	Model Suffix
Land Attack	-001	Strobe	-024
Sea Attack	-002	Alert	-025
Colors	-003	Emergencia	-026
Low Threat	-004	Alarm Yellow	-027
Medium Threat	-005	Delta	-028
High Threat	-006	Alarm Red	-029
Small Craft	-007	Withdrawal	-030
Unknown Object	-008	Emergency	-031
Code Bravo	-009	Audio Test	-032
Low	-010	All Clear	-033
Medium	-011	Fire Test	-034
High	-012	Evac Drill	-035
Water Attack	-013	Weather	-036
Chemical Spill	-014	Chem-Bio	-037
Gas Release	-015	Suspicious	-038
Evacuation	-016	Fire	-039
Help	-017	All	-040
Assistance	-018	Bomb	-041
Severe Weather	-019	Test	-042
Tornado	-020	Area	-043
Medical Alert	-021	Bomb Threat	-044
Power Shut Down	-022	Terrorist Threat	-045
Blank / No Wording	-023	Toxic Chemical	-046
		Disaster	-047

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Printed in USA
Publication No. CA450001EN
February 2024

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