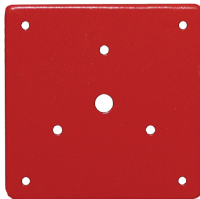


STH cluster speaker with MAX strobe



STH-4MSR



SHMP-R

Description

The Wheelock cluster speakers are designed for ceiling or wall mount applications for high ambient noise environments. The cluster speakers are available in multiple configurations—a speaker/visual (Series STH-MSR) and speaker only (Series STH-R or STH-G). All cluster speakers are equipped with UL listed STH-15SR or STH-15S supervised horn loudspeakers and the speaker/visual system has a UL listed DC-MAX-C strobe, mounted to a steel enclosure.

- STH-4MSR and STH-4R supplied with four STH-15SR Horns
- STH-3MSR and STH-3R supplied with three STH-15SR Horns
- STH-2MSR and STH-2R supplied with two STH-15SR Horns
- STH-2G supplied with two STH-15S Horns

All STH MSR series cluster speakers are supplied with one DC-MAX-C strobe with clear lens.

The SHMP-R is a UL listed adapter plate designed for mounting one STH-15SR horn to a series RSSP strobe mounting plate. For surface mount applications, the SBL-R surface mount backbox is required.

Application

Designed for use in manufacturing plants, processing plants and factories with high ambient noise levels.

- Hazard warning/alerting
- Industrial audible and visual signaling
- Process control area notification
- Warning lights
- Security alert indication



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Features & benefits

- Cluster speaker systems come fully assembled
- High-efficiency unit for life safety and/or general communication announcing/notification
- Provides high-intelligibility voice reproduction and strobe models feature high-intensity visual alerting for emergency alarm and protective signaling
- Speakers and strobes are prefabricated to a 10" x 10" x 6" steel enclosure for indoor use
- Mounts to ceiling or wall
- Only 1 pair of wires needed for audio connections
- Each individual STH-15SR or STH-15S horn is capable of delivering up to 102 dB at 15 watts at 10 feet
- Omni-directional sound
- Conduit knockouts for 1/2" or 3/4" coupling

Note: Please read these specifications and associated installation instructions before using, specifying, or installing this product. Visit Eaton.com/massnotification for current installation instructions.

Approvals & compliances

- UL 1480, UL 1638, NFPA 72, NFPA 101
- Complies with OSHA 1910.165

Drawings

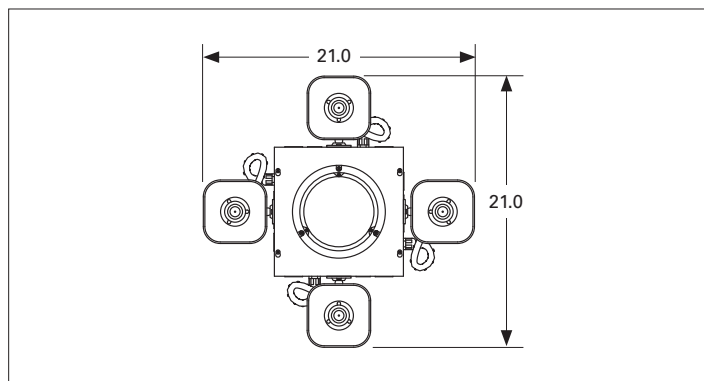


Figure 1. STH front view

STH-15SR or STH-15S horn loudspeakers

- Supervised weatherproof horn speaker
- Up to 15 watts RMS of power handling capability
- Superior intelligibility and sound dispersion
- Built-in 25/70 Volt transformer w/screwdriver adjustable wattage tape selector
- Frequency response: 400–14,000 Hz
- Power taps:
 - 25 Volts: .48, .94, 1.8, 7.5, and 15
 - 70 Volts: .9, 1.8, 3.8, 7.5, and 15
- Swivel mounted for easy angle adjustment
- Complies with UL Standard 1480
- Refer to STH-15S data sheet for detailed specs

DC-MAX-C strobe

- High intensity MAX strobe
- Clear lens made of Lexan
- Powerful 7.5 Joules double flash light burst
- 100 candela, 60 double flashes per minute
- Voltage range: 10.5 VDC to 31.0 VDC
- Complies with UL Standard 1638
- Refer to DC-MAX-C data sheet for detailed specs

Notes: 1. Special orders of different colored lenses are available in blue, red or amber. Please contact Eaton for details.
 2. The cluster speaker with MAX strobe is NOT designed to operate on a synchronized circuit.

Table 1. Specifications and ordering information^①

Model Number	Finish	Order Code	Description
STH-4MS-R	Red	8157	Speaker/visual systems supplied with four STH-15SR horns and one DC-MAX-C Strobe mounted to a NEMA Type 1 steel enclosure
STH-3MS-R	Red	8156	Speaker/visual systems supplied with three STH-15SR horns and one DC-MAX-C Strobe mounted to a NEMA Type 1 steel enclosure
STH-2MS-R	Red	8155	Speaker/visual systems supplied with two STH-15SR horns and one DC-MAX-C Strobe mounted to a NEMA Type 1 steel enclosure
SHMP-R	Red	8154	UL Listed adapter plate, designed to mount the STH-15SR horn speaker (7938) to a Series RSSP strobe mounting plate. For surface mounting applications, the SBLZ-R (6988) surface mount backbox is required.
STH-4R	Red	8186	Speaker System supplied with four STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-3R	Red	9753	Speaker System supplied with three STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-2R	Red	9752	Speaker System supplied with two STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-2G	Gray	0101	Speaker System supplied with two STH-15S horns mounted to a NEMA Type 1 gray steel enclosure

^① The cluster speakers with max strobe are made-to-order products.

Notes: 3 The Wheelock cluster speakers with max strobes (STH-4MSR, STH-3MSR, & STH-2MSR) are not intended for UL required fire life safety applications. See Wheelock STH cluster speaker with MCCH strobe meets fire life safety applications.
 4. Not intended for washdown areas.

Architects and engineers specifications

The cluster speaker shall be the STH-4MSR, STH-4R or STH-3MSR, STH-3R or STH-2MSR, STH-2R, STH-2G or approved equal. The cluster speaker shall consist of four (4) STH-15SR supervised horns for the STH-4MSR, STH-4R or three (3) STH-15SR supervised horns for the STH-3MSR, STH-3R or two (2) STH-15SR or STH-15S (for the STH-2G) supervised horns for the STH-2MSR, STH-2R, STH-2G or equivalent. The Wheelock STH-MSR cluster speakers shall also consist of one (1) supervised 100 candela DC-MAX-C strobe or equivalent.

The cluster speaker shall comply with UL Standard 1480, NFPA 72, NFPA 101 and OSHA 1910.165. The cluster speakers with strobe shall also comply with UL Standard 1638.

The STH-15SR or STH-15S horns shall be supervised horns measuring 7.87"W x 8.75"H x 9.32"D and prefabricated on the sides of a 10" x 10" x 6" steel enclosure.

The DC-MAX-C strobe shall be 6.2" diameter and prefabricated in the center of the cover of a 10" x 10" x 6" steel enclosure, for Wheelock STH-MSR.

Mounting of the cluster speaker shall be accomplished by using the four pre-drilled holes in the enclosure or by drilling new holes in order to be compatible with other mounting conditions.

The SHMP-R shall be a 4" x 4" UL listed adapter plate with pre drilled holes for mounting the STH-15SR or STH-15S to a RSSP plate.

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



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Printed in USA
Publication No. TD450059EN
October 2016