COOPER Wheelock

Series STH Cluster Speakers

STH-4MSR   STH-4R
STH-3MSR   STH-3R
STH-2MSR   STH-2R
SHMP-R   STH-2G

STH-4MSR

Description:

The Wheelock Series Cluster Speakers are designed for ceiling or wall mounting 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) alerting system. All alerting systems 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.

Applications for Series Cluster Speakers:

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

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.

Features for all Cluster Speaker Models:

*   Complies with UL Standard 1480, NFPA 72, NFPA 101 and OSHA 1910.165. Speaker/visual system also complies with UL Standard 1638
*   Cluster Speaker systems come fully assembled.
*   High efficiency unit for life safety and/or general communication announcing/notification
*   Provides high-intelligibility voice reproduction and available 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
*   Labor savings – (both time and money)
*   Conduit knockouts for ½" or ¾" coupling
*   Shipped in one box

SHMP-R

UL

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 Series 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 series 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 Series RSSP plate.

STH-15SR or STH-15S Horn Loudspeakers

- Supervised weather proof 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 Data Sheet S0100 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 Data Sheet I1008 for detailed specs

Note: Special orders of different colored lenses are available in Blue, Red or Amber. Please contact Wheelock for details.

Note: The Series Cluster speaker with MAX Strobe is NOT designed to operate on a synchronized circuit.

Specifications and Ordering Information*

Model Number	Order Code	Description
STH-4MSR	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-3MSR	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-2MSR	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	8154	UL Listedadapter plate, designed to mount the STH-15SR horn speaker (7938) to a Series RSSP Strobe Mounting Plate. For surface mountapplications, the SBL2-R (6988) surface mount backbox is required.
STH-4R	8186	Speaker System supplied with four STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-3R	9753	Speaker System supplied with three STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-2R	9752	Speaker System supplied with two STH-15SR horns mounted to a NEMA Type 1 steel enclosure
STH-2G	0101	Speaker System supplied with two STH-15S horns mounted to a NEMA Type 1 gray steel enclosure

*The Series Cluster Speakers with Max Strobe are a special order.

NOTE: The Series Cluster Speakers with MAX Strobes (STH-4MSR, STH-3MSR, & STH-2MSR) are not intended for UL required Fire Life Safety applications. See Series STH Cluster Speaker with MCCH Strobe to meet Fire Life Safety Applications.

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.

NOTE: Not intended for washdown areas.