

## Series STH Cluster Speakers with MCCH Strobe



**STH-4R24MCCH-NR**

### **Description:**

The Wheelock Series STH Cluster Speaker with MCCH Multi-Candela Strobe is designed for indoor ceiling mounting in high ambient noise environments. It is available with 2, 3 or 4 speakers for wide area coverage. The Cluster Speaker Strobe is supplied with STH-15SR, UL1480 Listed horns and one RSS-24MCCH, UL1971 Listed ceiling strobe mounted to a NEMA 1 steel enclosure. The strobe is synchronizable. The Series STH Cluster Speaker with MCCH Strobe come fully assembled.

Series STH Cluster Speaker with MCCH Strobes is designed for UL Required Fire Life Safety applications.

### **Features for all Cluster Speaker Models:**

- STH-15SR Speakers are UL Standard 1480 Listed.
- RSS-24MCCH Strobes are UL Standard 1971 Listed
- Compliant with ADA, OSHA 1910.165, ANSI 117.1, NFPA 72, NFPA 101, and IFC
- Cluster and Strobe wiring can be monitored for integrity by the Control Panel
- Cluster Speaker Strobes come fully assembled
- High efficiency unit for fire life safety and/or general communication announcing/notification
- Provides high-intelligibility voice reproduction and high intensity visual alerting for emergency life safety applications, alarm and protective signaling
- Speakers and Strobes are prefabricated to a 10" x 10" x 6" NEMA 1 steel enclosure for indoor use.
- Mounts to ceiling
- Only 1 pair of wires needed for audio connections
- Strobes are connected to the NAC Strobe Circuit and are selectable 115 or 177 cd
- Each individual STH-15SR horn is capable of delivering up to 102 dB at 15 watts at 10 feet
- Omni-direction
- Conduit knockouts for 1/2" or 3/4" coupling
- Labor Saving

### **STH-4R24MCCH**

Supplied with four STH-15SR horns and one RSS-24MCCH Strobe. The strobe plate has the following options:

- Red with no lettering
- Red with FIRE lettering
- White with no lettering
- White with FIRE lettering



### **STH-3R24MCCH**

Supplied with three STH-15SR horns and one RSS-24MCCH Strobe. The strobe plate has the following options:

- Red with no lettering
- Red with FIRE lettering
- White with no lettering
- White with FIRE lettering



### **STH-2R24MCCH**

Supplied with two STH-15SR horns and one RSS-24MCCH Strobe. The strobe plate has the following options:

- Red with no lettering
- Red with FIRE lettering



### **STH-90-R24MCCH-NR**

Supplied with two STH-15SR horns and one RSS-24MCCH Strobe, designed for corner mount. The strobe plate has the following options:

- Red with no lettering
- Red with FIRE lettering



### **Applications for Series Cluster Speaker Strobes:**

Designed for use in Manufacturing Plants, and Factories with high ambient noise levels and for UL Required Fire Life Safety Applications.

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

## Architects and Engineers Specifications

The Cluster Speaker Strobe shall be the Series STH with MCCH Strobe or approved equal. The cluster speaker strobe shall be designed for indoor ceiling mounting for high ambient noise environments. The speaker strobe shall be supplied with UL Standard 1480 listed horn(s) and one UL Standard 1971 listed ceiling strobe mounted to a NEMA 1 steel enclosure. The strobe shall be a selectable 115 or 177 candela synchronizable strobe. The Cluster Speaker and Strobe shall be fully assembled. The Cluster Speaker and Strobe shall be capable of use for UL Required Fire Life Safety applications. The Cluster Speaker and strobe wiring shall be able to be monitored for integrity by the Control Panel.

The Series STH Cluster Speaker with MCCH Strobe shall comply with NFPA 72, NFPA 101, OSHA 1910.165, ANSI 117.1, ADA, and IFC.

The speaker horns shall measure 7.87"W x 8.75"H x 9.32"D each and shall be prefabricated on the sides of a 10" x 10" x 6" steel enclosure.

The Strobe shall be a high intensity selectable 115 or 177 candela ceiling strobe with a current draw of 0.195 amps for 115cd @ 24 VDC or 0.270 amps for 177 cd @ 24VDC, and shall be prefabricated on the bottom of the steel enclosure.

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

### STH-15SR Horn Loudspeakers

- UL Standard 1480 Listed
- 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 watt-age 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
- Refer to Data Sheet S0100 for detailed specs on horn

### RSS-24MCCH Strobe

- UL Standard 1971 Listed
- High intensity selectable 115 or 177 candela ceiling strobe
- Factory setting is 177 candela
- Synchronizable when used with DSM or Wheelock Power Supplies or Wheelock's SAFEPATH or SAFEPATH4
- 24 VDC input voltage
- 2-Wire connection
- Current draw @ 24 VDC: 115cd - 0.195  
177cd - 0.270
- Strobes produce 1 flash per second over the regulated voltage range
- Refer to Data Sheet S0410 for detailed strobe specs

### Specifications and Ordering Information\*

Model Number	Order Code	Description	Strobe Plate
STH-4R24MCCH-NR	3089	Supervised Speaker Strobe supplied with four STH-15SR horns and one RSS-24MCCH ceiling strobe mounted to a NEMA 1 steel enclosure.	Red with no lettering
STH-4R24MCCH-FR	3090		Red with FIRE lettering
STH-4R24MCCH-NW	0239		White with no lettering
STH-4R24MCCH-FW	0235		White with FIRE lettering
STH-3R24MCCH-NR	3144	Supervised Speaker Strobe supplied with three STH-15SR horns and one RSS-24MCCH ceiling strobe mounted to a NEMA 1 steel enclosure.	Red with no lettering
STH-3R24MCCH-FR	3145		Red with FIRE lettering
STH-3R24MCCH-NW	0238		White with no lettering
STH-3R24MCCH-FW	0234		White with FIRE lettering
STH-2R24MCCH-NR	3146	Supervised Speaker Strobe supplied with two STH-15SR horns and one RSS-24MCCH ceiling strobe mounted to a NEMA 1 steel enclosure.	Red with no lettering
STH-2R24MCCH-FR	3143		Red with FIRE lettering
STH-90-R24MCCH-NR	3227	Supervised Speaker Strobe supplied with two STH-15SR horns mounted adjacent to each other, designed for a corner mount configuration and one RSS-24MCCH ceiling strobe mounted to a NEMA 1 steel enclosure.	Red with no lettering
STH-90-R24MCCH-FR	0522		Red with FIRE lettering

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



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION  
3 YEAR WARRANTY

S9009 STH RSS 06/11

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