

## Series STH Cluster Speakers with Three Strobes

**STH-4R24MCCH110R-NR**  
**STH-4R24MCCH110B-NR**  
**STH-4R24MCCH110G-NR**  
**STH-4R24MCCH110A-NR**



### **Description:**

The Wheelock Series STH Cluster Speaker with three Strobes include:

- Four (4) STH-15SR, UL 1480 Listed horns
- One (1) RSS-24MCCH Multi-Candela, UL1971 Listed synchronizable ceiling strobe
- Two (2) RSS (red, blue, green or amber) colored strobes

All horns and strobes are mounted to a NEMA 1 steel enclosure and come fully assembled.

### **STH-4R24MCCH110R-NR**

Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with red lens mounted to NEMA 1 steel enclosure

### **STH-4R24MCCH110B-NR**

Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with blue lens mounted to NEMA 1 steel enclosure

### **STH-4R24MCCH110G-NR**

Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with green lens mounted to NEMA 1 steel enclosure

### **STH-4R24MCCH110A-NR**

Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with amber lens mounted to NEMA 1 steel enclosure

### **Features:**

- STH-15SR Speakers are UL Standard 1480 Listed
- RSS-24MCCH Strobes are UL Standard 1971 Listed
- Two RSS ceiling strobes – Note: RSS Strobe candela output is based on a clear lens, when a colored lens is used the candela output is de-rated to:
  - Red Lens strobe, 22 candela
  - Blue Lens strobe, 49.5 candela
  - Green Lens strobe, 33 candela
  - Amber Lens strobe, 82.5 candela
- 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 for 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
- RSS-24MCCH Strobes are connected to the NAC Strobe Circuit and are selectable 115 or 177 candela
- Each individual STH-15SR horn is capable of delivering up to 102 dB at 15 watts at 10 feet
- The Cluster Speakers delivers omni-directional sound
- Conduit knockouts for ½" or ¾" coupling
- Labor Saving

## Architects and Engineers Specifications

The Cluster Speaker Strobe shall be the Series STH speaker with three strobes or approved equal. The cluster speaker strobe shall be designed for indoor ceiling mounting for high ambient noise environments. The cluster speaker strobe shall be supplied with UL Standard 1480 listed speaker horn(s), one (1) UL Standard 1971 listed selectable 115 or 177 candela synchronizable ceiling strobe and two (2) UL Listed 1638 110 candela ceiling strobes (with either a Red, Blue, Green or Amber lens) mounted to a NEMA 1 steel enclosure. 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 three strobes 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 one (1) UL Standard 1971 listed 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.

The two (2) UL Standard 1638 listed strobes shall be a 110 candela ceiling strobe with a current draw of 0.195 amps @ 24 VDC. The colored lens strobes shall have following candela output ratings: Red lens: 22 candela, Blue lens: 49.5 candela, Green lens: 33 candela, Amber lens: 82.5 candela.

All speaker horns and strobes 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.

### RSS 110 Colored Lens Strobe

- UL Standard 1638 Listed
- Strobe Candela output:
- Red Lens strobe, 22 candela
- Blue Lens strobe, 49.5 candela
- Green Lens strobe, 33 candela
- Amber Lens strobe, 82.5 candela
- Synchronizable when used with DSM or Wheelock's Power Supplies or Wheelock's SAFEPATH or SAFEPATH4
- 24 VDC input voltage
- 2-Wire connection
- Current draw @ 24 VDC is 0.195
- Strobes produce 1 flash per second over the regulated voltage range
- Refer to Data Sheet S9020 for detailed strobe specs

### 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 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
- 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's 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\*

\*The Series Cluster Speakers with Max Strobe are a special order. Please consult customer service for availability.

Model Number	Description	Order Code	Weight
STH-4R24MCCH110R-NR	Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with red lens mounted to NEMA 1 steel enclosure	3810	40.0
STH-4R24MCCH110B-NR	Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with blue lens mounted to NEMA 1 steel enclosure	3827	40.0
STH-4R24MCCH110G-NR	Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with green lens mounted to NEMA 1 steel enclosure	3826	40.0
STH-4R24MCCH110A-NR	Supervised Speaker Strobe with four STH-15SR horns and one RSS-24MCCH ceiling strobe, no lettering, red plate and two RSS strobes with amber lens mounted to NEMA 1 steel enclosure	3829	40.0

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.



WE ENCOURAGE AND SUPPORT NICET CERTIFICATION

3 YEAR WARRANTY

S9030 STH MCCH110 02/08

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