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# STH-15S Series Supervised Horn Loudspeakers



- ▶ **Weather-resistant, vandal-resistant aluminum construction**
- ▶ **25 V, 75 V, 100 V transformer with seven-position adjustable switch for wattage and impedance**
- ▶ **5 mF capacitor for line supervision**
- ▶ **Universal mounting bracket adjustable in both horizontal and vertical planes with slots for bands for pillar or beam mounting**

Wheelock's STH-15S Series Horn Loudspeakers are equipped with a compression driver that provides up to 15 W RMS power handling capability with excellent clarity and sound dispersion to achieve maximum sound projection and penetration. Weather-resistant metal construction assures protection against water, humidity, vermin, and corrosion. The mounting bracket adjusts both horizontally and vertically to allow directional sound dispersion.

## Functions

### Sound Settings

Each speaker has a slotted rotating switch used to set the output decibels. Refer to the installation instructions packed with the product for specific information about these settings.

### Strobe Option

The STH-15S Series Horn Loudspeakers can be mounted using an SBL-R Surface-mount Back Box with an SHMP-R or SHMP-W Adapter Plate and an RSSP Series Retrofit Strobe Plate.

## Certifications and Approvals

Cooper Wheelock, Inc. holds these Listings and Approvals:

Region	Certification	
USA	UL	UEAY: Speakers (UL464), UUMW: Speakers and Amplifiers for Fire Protective Signaling Systems (UL1480, UL1711, and UL2043)
	CSFM	7320-0785: 144
	NFPA	Complies with National Fire Protection Association NFPA 72 and 101
	OSHA	Complies with Occupational Safety and Health Administration OSHA 1910.165

## Installation/Configuration Notes

### Compatibility Information

The STH-15S Series Horn Loudspeakers are compatible with the Wheelock SAFEPATH4 system. They can be used with other amplifier networks that provide the necessary power and input impedance.

### Mounting Considerations

Wall mount the horn loudspeaker using appropriate mounting hardware. Slots are provided in the swivel base for banding straps to allow mounting on beams, poles, and girders.

### Wiring Considerations

The interface adapter is threaded for standard half-inch pipe and accommodates metal-clad cable or flexible or rigid conduit with matching connectors.

### Technical Specifications

#### Environmental Considerations

Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	-30°F to +150°F (-35°C to +66°C)

#### Mechanical Properties

Color:	STH-15S: grey; STH-15SR: red
Dimensions (H x W x D):	8.75 in. x 7.875 in. x 9.3125 in. (22.2 cm x 20.0 cm x 23.7 cm)
Material:	Aluminum with baked epoxy finish

#### Speaker Specifications

##### Power Specifications

Constant Voltage Line:	25 VRMS or 70 VRMS
Power Handling Capacity:	15 W

##### Sound Specifications

Frequency Response:	400 Hz to 4 kHz
Sound Dispersion:	70°
Sound Level (peak):	102 dB at 15 W at 10 ft (3 m)

### Trademarks

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SAFEPath4 is a registered trademark of Wheelock, Inc.

### Ordering Information

#### STH-15S Supervised Horn Loudspeaker (grey) STH-15S

Grey weather-resistant and vandal-resistant loudspeaker providing up to 15 W (RMS) power capability

#### STH-15SR Supervised Horn Loudspeaker (red) STH-15SR

Red weather-resistant and vandal-resistant loudspeaker providing up to 15 W (RMS) power capability

### Accessories

#### SBL2-R Retrofit Device Back Box (red) SBL2-R

dimensions 27.8 cm (10.9 in.) x 15.5 cm (6.1 in.) x 4.3 cm (1.7 in.)

#### SHMP-R Adapter Plate (red) SHMP-R

Red adapter plate

#### SHMP-W Adapter Plate (white) SHMP-W

White adapter plate

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