

## SERIES STH-15S-ULC SUPERVISED HORN LOUDSPEAKER



**SHMP-R  
Adapter Plate**



**STH-15S-ULC (Gray)**  
Also available in red (STH-15SR-ULC)

### Description

Wheelock's Series STH-15S-ULC supervised horn loudspeakers are equipped with a compression driver providing up to 15 Watts RMS power handling capability, superior intelligibility and dispersion to achieve maximum sound projection and penetration.

Weather-resistant metal construction and re-entrant acoustic path assure protection against water, humidity, vermin and corrosion. The mounting bracket allows directional sound dispersion via vertical and horizontal positioning. Provisions are also included for surface or strap mounting to pillars and I-beams.

All models include a built-in 25/70/100 V transformer featuring a screwdriver adjustable, 7 position watt/impedance selection switch. Wiring terminals are protected with a vandal-resistant adapter cover for control equipment utilizing cable or conduit.

A built-in, 5 mfd capacitor is provided on both models for line supervision.

The STH-15S-ULC and STH-15SR-ULC meets or exceeds the ULC Listed standards for audible signal appliances and is capable of operating within an ambient temperature range of 66°C (150°F) to -35°C (-30°F).

### Features

- Approvals include: CAN/ULC-525-99
- 15 Watt High Efficiency Compression Driver
- Built-in 15 Watt, 25/70 V line matching transformer, with power selector switch
- 5 mfd Capacitor for Line Supervision
- Surface Mounting Bracket for Precise Positioning
- Vandal-Resistant, Weatherproof Construction
- Simplified, universal-mounting bracket adjustable in horizontal and vertical planes with banding slots for beam or pillar mounting
- Installation terminals and power selector are recessed mounted, and protected by the metal inter face adapter, or clear plastic shield

### Applications

Wheelock's Series STH-15S-ULC supervised horn loudspeakers are surfacemounting, high efficiency units for life safety and communication system applications. When used with compatible control equipment, they provide high-intelligibility voice reproduction and signal transmission for indoor or outdoor emergency alarm and protective signaling.

### Specifications and Ordering Information

Model Number	Order Code	Product Description	Weight
STH-15S	7937	9" Dia. Supervised, Weatherproof, 15 Watt Horn, Loudspeaker with Transformer, Aluminum, Gray	4.5 lbs. (2.0 kgs.)
STH-15SR	7938	9" Dia. Supervised, Weatherproof, 15 Watt Horn, Loudspeaker with Transformer, Aluminum, Red	4.5 lbs. (2.0 kgs.)
SHMP-R	8154	UL Listed Adapter Plate, Designed to mount the STH-15SR Horn Speaker (7938) to a Series RSSP Strobe Mounting Plate. For Surface Mount Applications, the SBL-2 (6988) Surface mount backbox is required.	
STH-RSSP-KIT	6096	Weatherproof 15 watt supervised 25/70 horn loudspeaker and 15/30/75/110cd strobe with mounting plate, adjustable mounting base for horn and backbox. Red color. This kit includes STH-15SR, SHMP-R, RSSP-24MCW-FR, & SBL-2. FR &	

## Architects and Engineers Specifications

The supervised horn loudspeaker shall be a STH-15S-ULC or STH-15SR-ULC or approved equal. The horn shall be weather resistant and constructed of heavy gauge, treated aluminum. The horn shall be able to operate within any ambient temperature environment ranging from 66 degrees C (150°F) to -35 degrees C (-30°F). The horn shall be a double reentrant type with a 15 watt RMS audio power rated compression driver producing a UL rated 102 dB measured at 15 watts at 10 feet. The horn shall have an impedance selection via a 7 position switch of 5000, 2500, 1300, 666, 333, 89 & 45. Power taps shall be available at 2.0, 4.0, 7.5 & 15 watts for the 100 volt line, .9, 1.8, 3.8, 7.5 & 15 watts for the 70 volt line and .48, .94, 1.8, 7.5 & 15 watts for the 25 volt line. Each power tap shall have a 3dB incremental rating. The frequency response range shall be 400 - 5000 Hz at 8 ohms. The horn shall have a dispersion of 70 degrees. The horn assembly shall be furnished with a mounting bracket that allows adjustment on either a vertical or horizontal plane with a single locking pin and include provisions for mounting, banding or strapping. Wiring terminals shall be fully enclosed and a vandal-resistant adapter cover shall provide connection protection for cable or conduit. The horn shall be 7.875" W x 8.75" H x 9.313" D (200 x 222 x 237 mm). The horn shall be finished in gray (STH-15S-ULC) or red (STH-15SR-ULC) baked epoxy.

**⚠ WARNING: PLEASE READ THESE SPECIFICATIONS AND INSTALLATION INSTRUCTIONS CAREFULLY BEFORE USING, SPECIFYING OR APPLYING THIS PRODUCT. FAILURE TO COMPLY WITH ANY OF THESE INSTRUCTIONS, CAUTIONS AND WARNINGS COULD RESULT IN IMPROPER APPLICATION, INSTALLATION AND/OR OPERATION OF THESE PRODUCTS IN AN EMERGENCY SITUATION, WHICH COULD RESULT IN PROPERTY DAMAGE, AND SERIOUS INJURY OR DEATH TO YOU AND/OR OTHERS.**

### STH-15S-ULC & STH-15SR-ULC Power Switch Selections

Setting	Impedance (Ohms)	70.7 Volts			25 Volts			100 Volts	
		Watts	dB @ 10 Feet		Watts	dB @ 10 Feet		Watts	dB @ 10 Feet
1	5,000	0.9W	93		Not Used	Not Used		2.0W	93
2	2,500	1.8W	96		Not Used	Not Used		4.0W	96
3	1,300	3.8W	96		0.48W	90		7.5W	96
4	666	7.5W	96		0.94W	90		15.0W	102
5	333	15.0W	102		1.8W	93		Not Used	Not Used
6	89	Not Used	Not Used		7.5W	96		Not Used	Not Used
7	45	Not Used	Not Used		15.0W	102		Not Used	Not Used

### Specifications (ULC RATING)

POWER RATING: 15 Watt Continuous  
 FREQUENCY RESPONSE: 400-4,000 Hz  
 SENSITIVITY: 102 dB @ 15 Watts @ 10'

Code-3 Tone	107.2 dBA
Slow Whoop	108.5 dBA
Siren	107.8 dBA

### SPECIFICATIONS GENERAL

DISPERSION ANGLE: 70 Degrees (-6 dB @ 2,000 Hz Octave Band)

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

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