

# Series STH-15S Supervised Horn Loudspeaker

**Description:**

Wheelock's Series STH-15S Supervised Horn Loudspeakers are equipped with a compression driver providing up to 15 watts of power handling capability, superior intelligibility and dispersion to achieve maximum sound projection and penetration.

**Features:**

- Approvals Include: UL Standard 1480 - (Speakers for Fire Protective Signaling Systems), California State Fire Marshal (CSFM)
- 15-Watt High Efficiency Compression Driver
- Weather-resistant, vandal-resistant aluminum construction assures protection against water, humidity, vermin, and corrosion
- Reentrant acoustic path
- 25/70/100V transformer featuring a screwdriver adjustable, 7 position watt/impedance selection switch
- 5 mfd Capacitor for Line Supervision
- Universal-mounting bracket
- Installation terminals and power selector are recessed mounted, and protected by the metal interface adapter, or clear plastic shield



**Series STH-15S**



**Series SHMP-R**

**Specification and Ordering Information**

Model Number	Order Code	Description
STH-15S	7937	Supervised, Weatherproof, 15 Watt Horn, Loudspeaker w/ Transformer, Aluminum, Grey
STH-15SR	7938	Supervised, Weatherproof, 15 Watt Horn, Loudspeaker w/ Transformer, Aluminum, Red
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.

Power Rating: 15 Watt Continuous  
 Frequency Response: 400-4,000 Hz  
 Sensitivity: 102 dB @ 15 Watts @ 10' (3 dB UL Rating Increment)

**Specifications General**

Dispersion Angle: 70 Degrees (-6 dB @ 2,000 Hz Octave Band)  
 Weight: STH-15S 4.5 Lbs. (2.0 Kgs.)  
 STH-15SR 4.5 Lbs. (2.0 Kgs.)  
 Finish: STH-15S Grey Baked Epoxy  
 STH-15SR Red Baked Epoxy

**Specifications (Anechoic)**

Frequency Response: 400-14,000 Hz (Nominal)  
 500-6,000Hz (+/- 5 dB)  
 Sensitivity: 120 dB @ 15 Watts Peak @ 1 Meter  
 116 dB @ 15 Waatts @ 1 Meter (Avg.)  
 500-6,000 Hz  
 106 dB @ 1 Watt @ 1 Meter (Avg.)  
 450-6,500 Hz

SWITCH POSITION	IMPEDENCE (ohms)	WATTS @ 25 V	WATTS @ 70 V	WATTS @ 100 V
1	5,000	—	.9	2.0
2	2,500	—	1.8	4.0
3	1,300	.48	3.8	7.5
4	666	.94	7.5	15.0
5	333	1.8	15.0	—
6	89	7.5	—	—
7	45	15.0	—	—