

# Signaling Appliances

## Supervised Horn Loudspeaker

Models S-15WR and SHMPS-R

### ARCHITECT AND ENGINEER SPECIFICATIONS

- 15-Watt, high-efficiency compression driver
- 25 / 70V transformer featuring a screwdriver adjustable, (7) seven-position Watt / impedance selection switch
- 5 microfarad (MFD) capacitor for line supervision
- 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 interface adapter, or clear plastic shield
- Re-entrant acoustic path



S-15WR  
(Red Horn)



SHMPS-R Adapter  
Plate

- Weather-resistant, vandal-resistant aluminum construction assures protection against water, humidity, vermin, and corrosion
- Red-baked epoxy finish
  - Model S-15WR
- **UL Standard 1480 Listed;**  
CSFM and NYC Fire Department Approved

### Product Overview

The Siemens Industry, Inc. Supervised Horn Loudspeakers are surface-mounting, high-efficiency units for life-safety and communication system applications. When used with compatible control equipment, Model S-15WR provides high-intelligibility voice reproduction and signal transmission for indoor or outdoor emergency alarm and protective signaling.

Series S-15WR 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 a reentrant 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 / 70V 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 microfarad (MFD) capacitor is provided on both models for line supervision.

All models meet or exceed the **UL** Listed standards for audible signal appliances and are capable of operating within an ambient temperature range of -30°F (-35°C) to 150°F (66°C).

### Specifications

The supervised horn loudspeaker shall be a Model S-15WR or approved equal. The horn shall be weather resistant and constructed of heavy-gauge, treated aluminum. The horn shall be able to operate within an ambient temperature range of -30°F (-35°C) to 150°F (66°C). The horn shall be a double-reentrant type with a 15-Watt, RMS audio-power-rated compression driver that produces a **UL**-rated 102 dB, measured at 15 watts at 10 feet.

The horn shall have an impedance selection via a seven (7) position switch of 5000, 2500, 1300, 666, 333, 89 & 45.

Supervised Horn Loudspeaker **2569**

## Specifications – (continued)

Power taps shall be available at:

- 0.9, 1.8, 3.8, 7.5 & 15 Watts for the 70-Volt line
- .48, 0.94, 1.8, 7.5 & 15 Watts for the 25-Volt line

Each power tap shall have a 3dB incremental rating, and the frequency-response range shall be 400 - 14000 Hz. Model S-15WR shall have a dispersion angle of 70 degrees.

## Technical Data

<i>Wattage Selector Switch Settings and dBA</i>				
Setting	70V	dB	25V	dB
1	0.9W	90	Not Used	Not Used
2	1.8W	93	Not Used	Not Used
3	3.8W	96	0.48W	87
4	7.5W	99	0.94W	90
5	15.0W	102	1.8W	93
6	Not Used	Not Used	7.5W	96
7	Not Used	Not Used	15.0W	99

### NOTES:

1. Power Handling Capacity (RMS): 15W
2. Sound Dispersion: 70 Degrees
3. Constant Voltage Line: 25V or 70V
4. Frequency Response: 400 - 4,000Hz (@ Full Rated Output)
5. Sound Level (Peak): 120dB @ 15W, 1 Meter

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. Model S-15WR horn shall be 7.9" (20.1 cm.) [W] –x– 8.8" (22.4 cm.) [H] –x– 9.3" (23.6 cm.) [D], and shall be finished in red-baked epoxy.

## Details for Ordering

Model Number	Part Number	Description
S-15WR	500-649494	Supervised Horn Loudspeaker, Red
SHMPS-R	500-636128	Supervised Horn Adapter Plate

**Notice:** This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.

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