

STH-15S SUPERVISED LOUD SPEAKER

Description

Series STH-15S supervised horn loudspeakers are equipped with a compression driver providing up to 15 Watt 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 screw-driver 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.

All models meet or exceed the UL Listed standards for audible signal appliances and are capable of operating within an ambient temperature range of 66°C (150°F) to -35°C (-30°F). Models comply with UL Standard 1480 — Speakers for Fire Protective Signaling Systems and California State Fire Marshal (Title 19).

Operational Specifications

Power Rating	15 Watt continuous
Frequency Response	400 - 4000 Hz
Sensitivity	102dB @ 15 Watt @ 10' (3dB UL rating increment)
Dispersion Angle	70° (degrees) (-6dB @ 2000 Hz active band)



Approvals

UL 464 Listed

California State Fire Marshal (CSFM)

Features

- 15 Watt high efficiency compression driver
- Re-entrant acoustic path
- Weather resistant
- Universal mounting
- 25/70/100 V line matching transformer with a 7 position Watt/impedance selection switch

Engineer Specifications

The supervised horn loudspeaker shall be a STH-15S/STH-15SR. 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 re-entrant 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, and 45. Power taps shall be available at 2.0, 4.0, 7.5, and 15 Watt for the 100 volt line, .9, 1.8, 3.8, 7.5, and 15 Watt for the 70 volt line and .94, 1.8, 7.5, and 15 Watt for the 25 volt line. Each power tap shall have a 3 dB 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 grey (STH-15S) or red (STH-15SR) baked epoxy.

Ordering Information

Part Number

71768

71769

Description

15 watt-Horn Loud Speaker, Grey (STH-15S)

15 watt-Horn Loud Speaker, Red (STH-15SR)

Specifications and wiring information are provided for information only and are believed to be accurate. Gamewell assumes no responsibility for their use. Data and design are subject to change without notice. Installation and wiring instructions shipped with the product shall always be used for actual installation. For more information, contact Gamewell.



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