

Technical Specification

FEATURES:

- INDOOR OR OUTDOOR USE
- LONG HOOKUP CABLE
- ROTARY TAP SWITCH
- AVAILABLE IN 15 OR 30 WATT MODELS
- OMNI DIRECTIONAL MOUNTING

DESCRIPTION:

Designed to minimize installation and adjustment time, the Clarity SX Series paging horns provide several unique features. The ball joint (Omni-Lock System) mounting arrangement allows the horn to be positioned at any angle required. Pop-on mounting of the horn to the base allows easy installation. SX paging horns are weather resistant for both outdoor and indoor paging applications. Fading and streaking due to sunlight and rust are minimized by the use of ultra-violet inhibitors and stainless steel hardware. The shatter resistant universal base mounts to eight of the most popular electrical boxes. Included with the horn is a clamp that allows mounting directly to metal beams. A built-in diffuser provides better dispersion of the higher frequencies. A rotary selector switch allows adjustment of the audio level in 3 dB adjustments. The paging horns are available in beige, grey and white. The SX Series paging horns operate on 25, 70 and 100 Volt speaker lines. For hostile environments such as salt air, freezers, indoor hotel pools and sterile rooms, the SX Series paging horns are available in marine versions (M versions). These horns are white with stainless hardware and are guaranteed against fading and cracking.

Specifications:

SOUND PRESSURE LEVEL

109 dB @ 4 Feet on Axis with 1 Watt Input

LINE TRANSFORMER

25, 70.7 and 100 Volts

TRANSFORMER TAPS

15 Watt - 15, 7.5, 3.8 and 1.9 Watts

30 Watt - 30, 15, 7.5, 3.8 and 1.9 Watt

FREQUENCY RESPONSE

300 Hz to 10 kHz

DISPERSION

120° Horizontal and 90° Vertical

HOUSING AND FINISH:

The horn is made of high impact ABS plastic. The mounting base is constructed of ultra-high impact LEXAN® plastic.

ENVIRONMENT:

Temperature: -20 to +55 °C (-35 to +131 °F)

Humidity: -0-85% Non-Precipitating

DIMENSIONS AND WEIGHT:

15 Watt: 6.5" H x 8.25" W x 9.5" D
(16.5 cm x 20.96 cm x 24.13 cm)

Weight: 4.0 lbs. (1.8 kg)

30 Watt: 7.38" H x 10.0" W x 10.4" D
(18.75 cm x 25.4 cm x 26.42 cm)

Weight: 5.0 lbs. (2.25 kg.)

MOUNTING:

Omni-Directional Mounting, Fully Adjustable,
360° Horizontal and 90° Vertical

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ARCHITECTS' AND ENGINEERS

The paging horn, ____ Watt, model _____, shall be a weather resistant high-efficiency re-entrant type horn. It shall be equipped with a ball and socket type mounting to allow base removal for easy mounting. A single knob shall be used to allow precise positioning in both the horizontal and vertical planes with a single adjustment.

The frequency response of the horn shall be 300 Hz to 10 kHz. The continuous power rating of the horn shall be ____ Watts. Dispersion shall be 120° horizontal and 90° vertical. Sound pressure level with a ____ Watt input shall be ____ dB measured at 4 feet on axis.

The paging horn shall be 25, 70.7 or 100 Volt operation and have a rotary tap switch to set the output level. The tap settings for SX30-T versions shall be 30, 15, 7.5, 3.8 or 1.9 Watts. The tap settings for SX15-T versions shall be 15, 7.5, 3.8 or 1.9 Watts.

The housing shall be of ABS plastic construction, the color is beige with brown accent. Horns are also available in gray (-GY) or white (M). The mounting base shall be constructed of LEXAN®.

Dimensions of the 15 Watt horn shall be 6.5" (16.5 cm) H x 8.25" (20.96 cm) W x 9.5" (24.13 cm) D. Weight shall be approximately 4.0 lbs. (1.8 kg).

Dimensions of the 30 Watt horn shall be 7.38" (18.75 cm) H x 10.0" (25.4 cm) W x 10.4" (26.42 cm) D. Weight shall be approximately 5.0 lbs. (2.25 kg).

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MODELS:

15 Watt - SX15-T (25, 70.7, 100 V), SX15-T-GY (25, 70.7, 100 V Gray),
SX15-TM (25, 70.7, 100 V Marine)

30 Watt - SX30-T (25, 70.7, 100 V), SX30-T-GY (25, 70.7, 100 V Gray),
SX30-TM (25, 70.7, 100 V Marine)

Horns are Beige with Brown Accent except (-GY) Gray, and M (Marine) White

CLARITY LIMITED WARRANTY

Clarity warrants its products only to the original purchaser, for its own use, to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. This Limited Warranty obligation shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Clarity indicates the validity of the claim;
2. the defect is not the result of damage, misuse or negligence after the original shipment;
3. the product has not been altered in any way or repaired by others and that factory sealed units are unopened (a service charge plus parts and labor will be applied to units defaced or physically damaged);
4. freight charges for the return of products to Clarity are prepaid;
5. all units 'out of warranty' are subject to a service charge. The service charge will cover minor repairs (major repairs will be subject to additional charges for parts and labor).

This Limited Warranty is in lieu of and excludes all other warranties, expressed or implied and in no event shall Clarity be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation, maintenance, installation, removal or use of the product. The maximum liability of Clarity under this warranty is limited to the purchase price of the specific Product covered by the warranty.

Disclaimer. Except for the Limited Warranty provided herein, the product is provided "as-is" without any warranty of any kind whatsoever including, without limitation, any **WARRANTY OF MERCHANTABILITY, FITNESS FOR A PARTICULAR PURPOSE OR NON-INFRINGEMENT.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.