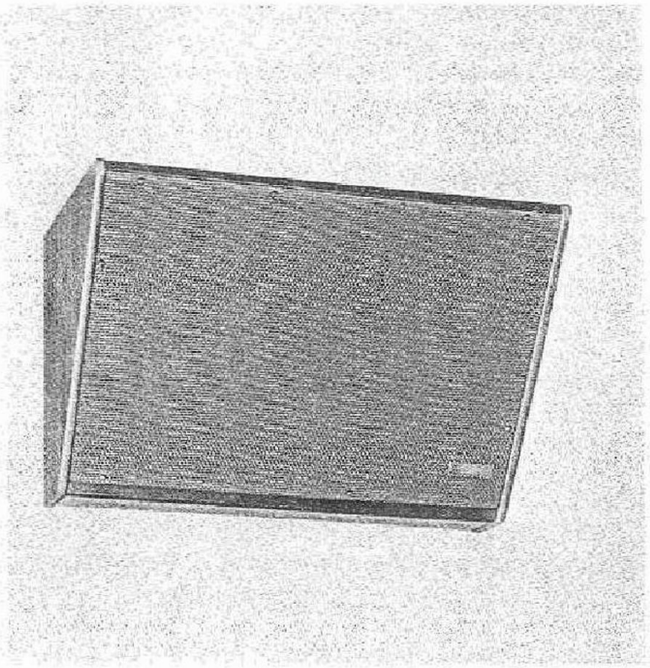
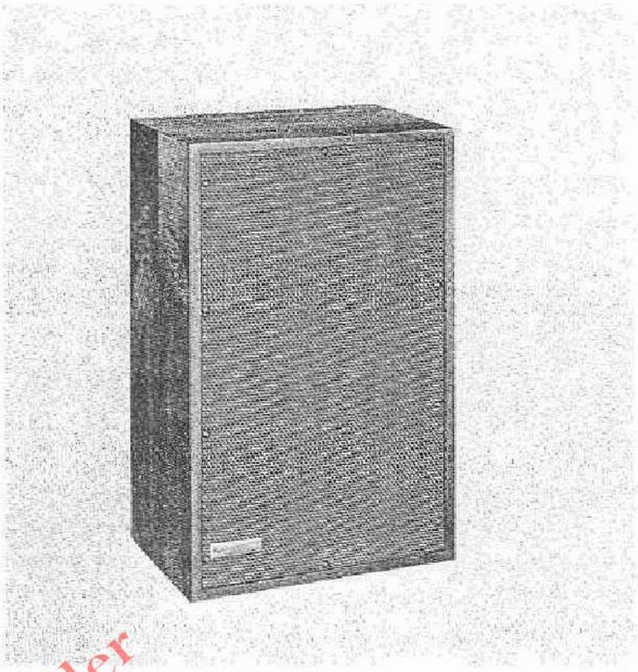


SENTRY IA



SENTRY IIA

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DESCRIPTION AND APPLICATIONS

The newly improved Sentry IA and Sentry IIA studio monitor loudspeaker systems offer a precise audio reference standard for the most exacting use. A most carefully designed acoustically excellent studio; use of the finest professional microphones precisely selected for specific application; and superb operating skills, are of little value without a constant, unchanging and precise reference.

Reality in sound is the promise made – and kept – by Electro-Voice Sentry monitor loudspeaker systems. Flat, "uncolored" audio response provides a known reference point from which all related equipment can be evaluated and adjusted. The high-integrity sound, free from any coloration, affords the opportunity for optimum control over audio quality.

New improvements make the Sentry IA and Sentry IIA even finer tools for exacting studio work, while also more compatible for peripheral use in home high fidelity, high quality sound reinforcement, and similar exacting applications. A redesigned horn compression tweeter has improved and extended frequency response and range by increasing the total energy output above 12 kHz. In addition, enclosure damping has been modified to flatten the frequency response in the area of the enclosure's resonant frequency. Both Sentry IA and Sentry IIA are now 8 ohms nominal impedance.

Adaptable to your physical requirements, the Sentry monitors are ideal for studio and control room monitoring in radio, TV, and recording facilities. Invaluable for critical review in musical instruction courses and classroom use in music appreciation courses.

The Sentry IA is specifically designed for wall or ceiling mounting. Walnut finished on four sides, the Sentry IIA may be used in either vertical or horizontal position.

NOTE: Some studio monitor installations are designed for 150 or 600 ohm transmission lines. For these installations, a means of matching the Sentry 8 ohm impedance is required.

SPECIFICATIONS

Sentry IA	
Frequency Response:	30–20,000 Hz
EIA Sensitivity:	48 dB
Sound Pressure Level, (4' on axis/20 watts):	110 dB
Impedance:	8 ohms
Power Handling Capacity:	20 watts
Finish:	Walnut
Size:	21-3/4" h. at rear, 37" w. 16-3/8" d. at top
Weight:	82 lbs.

Sentry IIA	
Frequency Response:	30–20,000 Hz
EIA Sensitivity:	48 dB
Sound Pressure Level, (4' on axis/20 watts):	110 dB
Impedance:	8 ohms
Power Handling Capacity:	20 watts
Finish:	Walnut
Size:	20" h. x 31-7/8" w. x 13" d.
Weight:	74 lbs.

WARRANTY

Electro-Voice Sentry studio monitor speaker systems are guaranteed for the life of the product against malfunction due to defects in workmanship and materials. If malfunction from this cause occurs, the product will be repaired or replaced (at our option) without charge for materials or labor, if delivered to Electro-Voice or its service agency. The unit will be returned prepaid. Warranty does not cover finishes or malfunction due to abuse or operation at other than specified ratings. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

For correct shipping address and instructions on return of Electro-Voice products for repair and locations of authorized service agencies, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831).

Electro-Voice also maintains complete facilities for non-warranty service.

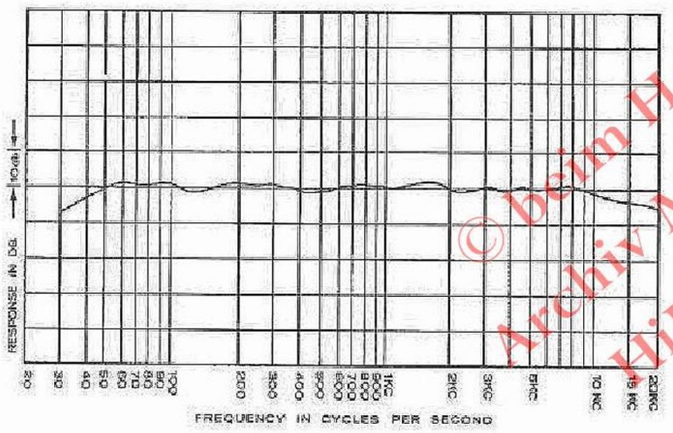

Figure 1 — Frequency Response

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The speaker system shall be an Electro-Voice Sentry (specify IA or IIA) studio monitor speaker system or equivalent. Frequency response shall be flat within ± 3 dB from 30 to 20,000 Hz. Power handling capacity shall be 20 watts continuous program level and 40 watts for momentary peaks. EIA sensitivity rating shall be 48 dB. A 12" low- and mid-range cone speaker, a very-high-frequency driver (utilizing the Sonophase principle of throat design), and a high-frequency cross-over network shall be provided, each selected for specific performance so that when combined in a Sentry (specify IA or IIA) monitor cabinet, specified frequency response is assured.

The Sentry IA monitor speaker cabinet finish shall be walnut. Its dimensions shall be 21¾-inches high (at rear), 37-inches wide, and 16-3/8-inches deep (at top). Net weight shall not exceed 82 pounds. Access to terminal board shall be by removal of front grille panel. The cabinet shall be so constructed that it may be mounted on either a wall or ceiling.

The Sentry IIA monitor speaker cabinet finish shall be walnut. Its dimensions shall be 20-inches high, 31-7/8 inches wide, 13-inches deep. Net weight shall not exceed 74 pounds. A terminal board shall be provided on the rear panel.

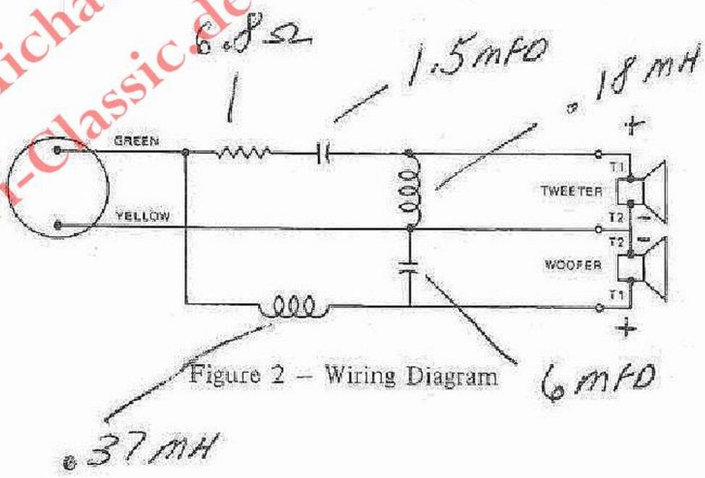

Figure 2 — Wiring Diagram

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