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Loudspeakers - Component



CO810

8" Round Coaxial Loudspeaker, 15 Watt, 10 Oz.

FEATURES

- 8" round coaxial loudspeaker
- Built-in transformer mounting facilities
- Rugged high temperature voice coil
- Smooth extended frequency response
- Pole mounted tweeter produces a loudspeaker with low distortion



POWER:	15 Watts R.M.S. (On 8-Ohm setting)
FREQUENCY RESPONSE:	80 - 18,000 Hz. +/- 5dB
INPUT:	8 Ohm, optional line matching transformers available
TRANSFORMER TAPS:	Optional, see chart below
SENSITIVITY:	93dB (1W1M) Average over given frequency response
DIMENSIONS:	8-1/16"(20.5cm) round, 3-1/8"(7.7cm) deep
DISPERSION ANGLES:	-3dB down at 75 degrees, -6dB down at 110 degrees
DISTORTION:	3.5% max over rated frequency response

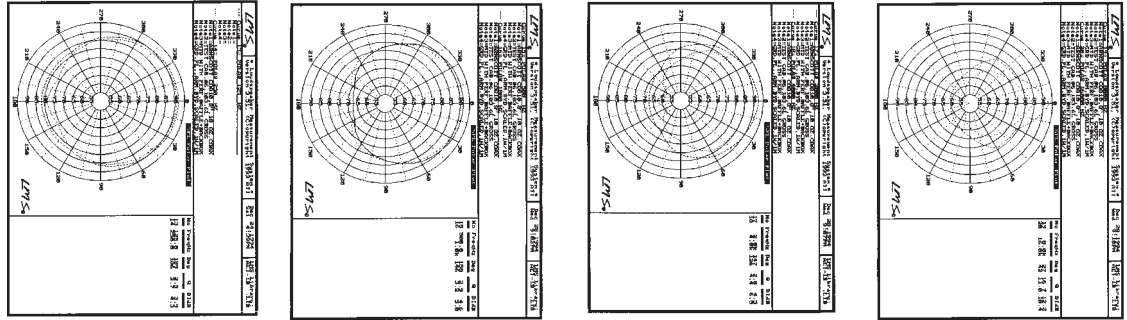
The CO810 is a high quality, 8" 10oz. 15W RMS coaxial loudspeaker. This model is designed to be used in restaurants, night clubs, lounges, theaters, airports, shopping malls, houses of worship, or other high quality standard ceiling height installations. This speaker is both economically priced, and High Quality. For optimum results, use this unit in Arnscott larger Volume Enclosures such as E10-6L or E10-10L. The CO810 comes complete with field transformer mounting facilities for the high quality Models of transformers listed below. Speaker/transformer assemblies are also available (transformers are ordered separately).

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15 Watt, 10 oz.

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SPECIFICATIONS



ARCHITECTS AND ENGINEERS SPECIFICATIONS

The loudspeaker shall be AEI Model CO810 or approved equal. The unit shall be an eight inch, permanent magnet, paper cone type using a 10oz. oriented ferrite magnet on the low frequency reproducer, and 2.35oz. on the high frequency transducer. The continuous power rating shall be 15 watts, and the uniform frequency range shall be from 80 to 18,000 Hertz. The minimum axial sensitivity of the CO810 shall be 95dB (at 1m with 1 watt input). The tweeter shall be of the conventional paper cone type, 2-1/8" in diameter. The depth of the CO810 shall not exceed 7.7cm (3 1/8"). The CO810 shall be used wherever a full audio range, eight inch coaxial loudspeaker is recommended.

SPEAKER / TRANSFORMER COMBINATIONS AVAILABLE						
Model Number	Transformer	Transformer Voltage	Transformer Max. Power	Transformer Power taps (Watts)	Transformer Frequency Response	Insertion Loss
C81-7010L	A70-10L	70.7V	10W	0.64, 1.25, 2.5, 5, 10	+1.5dB, 100 - 10kHz.	1.5dB.
C81-708	A70-8	70.7V	8W	1, 2, 4, 8	+1.0dB, 45 - 15kHz.	0.6dB.
C81-716	A70-16	70.7V	16W	2, 4, 8, 16	+1.0dB, 45 - 15kHz.	0.6dB.