



EV Innovative Design

EVID C4.2 Ceiling
4" Two-way
Coaxial Ceiling
Loudspeaker System



Key Features:

- 4" coaxial two-way
- Waveguide coupled Ti tweeter
- Full bandwidth overload protection
- Front baffle wattage tap adjustment
- Integrated low loss matching transformer allows for either 70v/100v or 8 Ω operation
- Includes tile bridge and mounting ring for easy installation
- Integrated ported enclosure for extended bass response



General Description:

The Electro-Voice EVID C4.2 loudspeaker system is a complete two-way ceiling loudspeaker package. The package consists of a bezel assembly, grille, rear enclosure, 4-inch coax two-way loudspeaker and internal line-matching transformer. The loudspeaker features a waveguide coupled titanium coated dome tweeter. The EVID C4.2 loudspeaker utilizes a 2nd order crossover network at 3.3kHz, with a comprehensive protection circuit to protect the network, woofer, and tweeter drivers from excessive power levels. The C4.2 utilizes a transformer that offers a selection of 1.88 (70-V only), 3.75, 7.5, 15 or 30 watts delivered to the loudspeaker system using either 70-V or 100-V lines, or 8 Ω bypass. Selection is via a convenient switch on the front baffle. The perforated grille is finished in semi-gloss white powder-coated enamel. The baffle and bezel are constructed from UL 94V-0 rated ABS. The rear enclosure is constructed from zinc-plated, heavy gauge steel. The rear enclosure, with fiberglass damping material, provides an optimum internal volume for extended low-frequency performance. A rear cover, with provision for a junction box fitting, provides access to a 4-pin terminal block that allows direct connection to the speaker with 12-gauge wire and provides pass-through to additional speakers. The EVID C2.4D model features a 3-pin fire-safety rated input block. A tile bridge is included for safe suspension of the C4.2 ceiling systems in a drop ceiling that uses mineral wool, or other fiber-based ceiling tiles. The EVID line of ceiling speakers has been designed to work together as a complete system in a wide range of different ceiling constructions. They provide wide dispersion, high-efficiency, high-maximum output, ease of installation, and wide-range reproduction of music or voice.

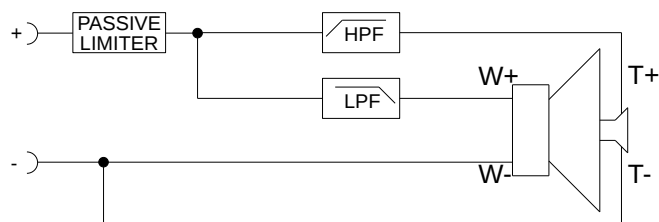
Technical Specifications:

Freq. Range (-10dB):	65Hz–20kHz
Coverage (Conical):	130°
Power Handling:	50W Cont. / 200W Peak
Sensitivity (SPL 1W/1m):	86dB
Max Calculated SPL:	103dB Cont./109dB Peak
Impedance:	8 Ω nominal (transformer bypass)
Network:	Network and transducers protected, 12dB/oct 3.3kHz
LF Transducer:	4 in. (100mm) Polypropylene cone
HF Transducer:	.75 in. (19mm) Ti Mylar laminate
Transformer Taps:	70V: 1.88, 3.75, 7.5, 15, or 30W 100V: 3.75, 7.5, 15, or 30W Bypass: 8 Ω
Connectors:	C4.2: Phoenix type removable, with screw terminals and "loop-thru", accepts 12 ga wire C4.2D: Fire-safety rated input block, 3 terminal barrier strip accepts 12 ga wire
Enclosure Material:	Baffle - UL 94V-O rated ABS Backcan - Zinc plated steel
Grille:	Perforated powder-coated steel with safety tether
Support Hardware:	Tile bridge, backing plate support, cutout template, paint shield
Dim (H x Dia.):	6.9" x 7.1" (176mm x 181mm)
Cutout Size:	7.188" (183mm)
Net Weight (each):	6.0lbs (2.7kg)
Shipping Weight (pair):	14.0lbs (6.4kg)
Safety Agency Ratings:	UL 1480 Safe for use in air handling spaces per UL 2043

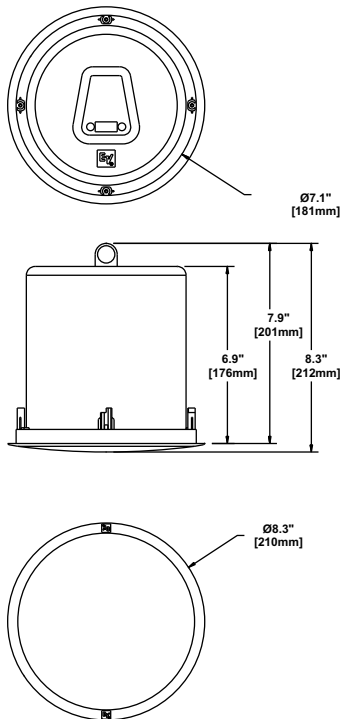
Architects' and Engineers' Specifications:

The EVID C4.2 loudspeaker system shall be comprised of a UL 94V-0 fire rated ABS baffle/bezel assembly, zinc plated steel rear enclosure, powder coated grille with safety tether, transformer with 8 Ω bypass and 4-inch polypropylenelaw frequency transducer with coaxially-mounted waveguide loaded 3/4-inch titanium coated dome tweeter. The louspeaker shall meet the following criteria: power rating shall be 50 watts of EIA RS-426A pink noise (6dB crest factor). Frequency response, uniform from 65Hz to 20Hz. Pressure sensitivity, 86dB SPL at 1meter (3.3 feet) on axis with one watt of pink noise (ref. 20 μ PA). Minimum impedance, 6.0 Ω . The loudspeaker shall be 181mm (7.1in.) in diameter and 176mm (6.9in) deep. Weight shall be 2.7kg (6.0lb). The coaxial ceiling louspeaker shall be the Electro-Voice model EVID C4.2.

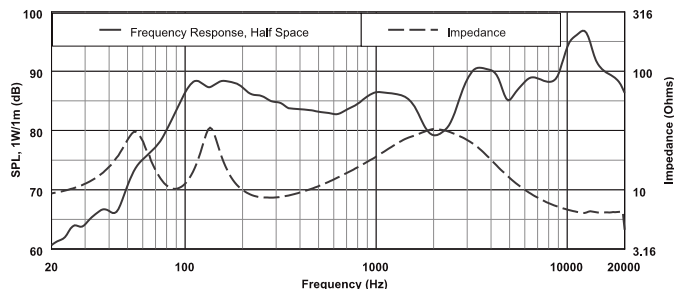
Block Diagram:



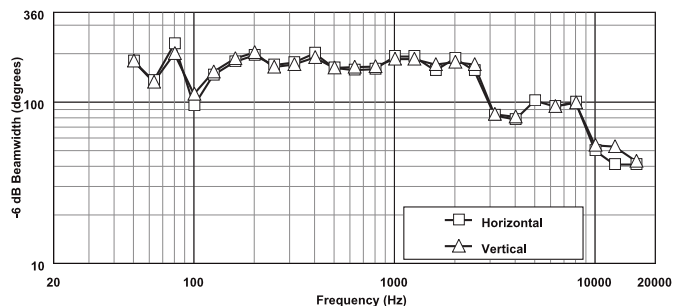
Dimension Drawings:



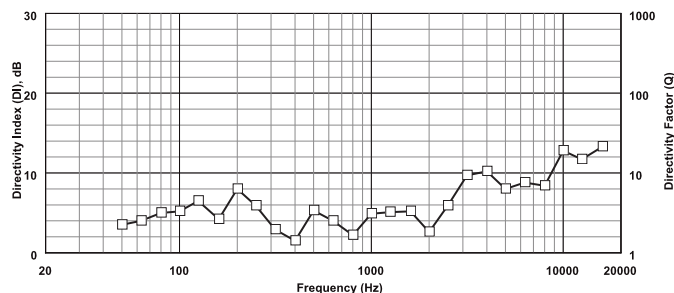
Frequency Response:



Beamwidth:



Directivity:



Performance Match

- EVID C10.1 Subwoofer
- CPS-1 Power Amplifier
- CPS-2 Power Amplifier
- CPS-2T Power Amplifier
- MA-1206 Mixer Amplifier
- MA-1212 Mixer Amplifier

EVID C4.2 Commercial Code

- EVID C4.2

EVID C4.2D Commercial Code

- PRD000263100

Warranty:

Please refer to the Limited Warranty information found at:
www.electrovoice.com

Electro-Voice

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www.electrovoice.com

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800/392-3497 Fax: 800/955-6831

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For warranty repair or service information, contact the Service Repair department at:

800/685-2606

For technical assistance, contact Technical Support at: 866/78AUDIO

Specifications subject to change without notice.