

TANNOY®



CMS50 ICT

The Tannoy CMS50 ICT is a full-bandwidth (85Hz - 22kHz), high quality ceiling monitor system based around a 130mm (5") point source transducer, made for applications requiring sonic quality for music and speech reinforcement - with exceptional reliability.

The design of the ICT™ drive unit addresses the two most common component failures experienced in background music and sound reinforcement systems; the tweeter and the crossover. ICT or Inductive Coupling Technology uses a wireless electromagnetic tweeter that does not require a crossover and cannot be burned out from heavy use or misuse. The ICT driver uses a moulded plastic cone and nitrile rubber surround, further enhancing durability and long term reliability.

The CMS50 ICT is designed for blind mount applications, offering simple and cost-effective installation in new and existing buildings, while providing quality music reproduction and voice intelligibility for critical applications.

The optimally tuned, rigid enclosure provides superior low frequency extension. The transformer settings on the CMS50T ICT (30, 15, 7.5, 3.75 Watts) are selectable via a rotary switch located on the front baffle for quick and simple commissioning.

The CMS50 ICT is available as the CMS50 ICT for use in 6Ω operation and the CMS50T ICT, supplied with a THP 30 Watt transformer.



REAR DETAIL



TAP SWITCH



INSTALLED



CLAMP DETAIL



CEILING MONITOR SYSTEMS

CMS50 ICT

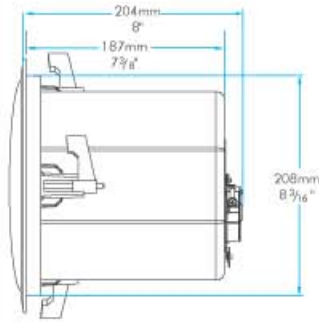
SYSTEM

System Type	Ceiling Monitor Loudspeaker	
Frequency Response (1)	+/- 3dB -10dB	85Hz - 22kHz 63Hz
Recommended Amplifier Power (2)	20 - 100 Watt / 6Ω	
Power Handling	Average Programme Peak	50 Watt 100 Watt 200 Watt
Sensitivity 2.83 Volts @ 1 metre (3)	92dB (half space)	
Maximum SPL	THP 30 Transformer Low Impedance	106dB (average) 109dB (average) 115dB (peak)
Impedance	Nominal	6Ω
Wattage Tap Selections	30, 15, 7.5, 3.75 Watts	
Dispersion	See Beamwidth Plot	90° Conical
Driver Complement	1 x 130mm (5") ICT™ Point Source	
Crossover	7kHz - Inductively Coupled	

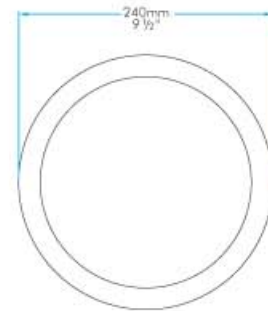
CONSTRUCTION

Enclosure	4.3 litres, vented	
Finish	White - paintable	
Connectors	Barrier Strip with removable plug	
Dimensions	Can Height Baffle diameter Cutout Size Maximum Panel Thickness	187mm (7 ³ / ₈ ") 204mm (8") incl. tie back ring 240mm (9 ¹ / ₂ ") 210mm (8 ¹ / ₄ ") 38mm (1 ¹ / ₂ ")
Weight (each)	CMS50 ICT CMS50T ICT	2.6kg (5lbs 13oz) 3.1kg (6lbs 14oz)
Shipping	Quantity CMS50 ICT CMS50T ICT Pack Dimensions	2 6.7kg (14lbs 13oz) 8kg (17lbs 1oz) 267 x 572 x 318mm (10 ¹ / ₂ " x 22 ¹ / ₂ " x 12 ¹ / ₂ ")
Accessories (Optional)	CMS50 C ring CMS50 Tile bridge CMS50 Plaster Ring	
Safety Features	Rear safety tie back ring for attachment of a load bearing safety bond	

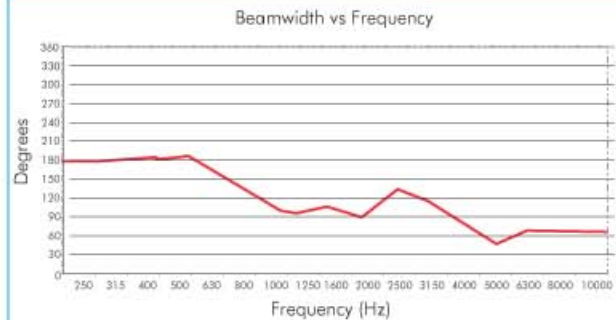
SIDE ELEVATION



FRONT ELEVATION



BEAMWIDTH PLOT



NOTES: (1) Average over stated bandwidth. Measured at 1 metre on axis. (2) Long term power handling capacity as defined in IEC standard RS - 426A. (3) Unweighted pink noise input, measured at 1 metre in an anechoic chamber.

A full range of measurements, performance data, and Ease™ Data can be downloaded from www.tannoy.com

Tannoy operates a policy of continuous research and development. The introduction of new materials or manufacturing methods will always equal or exceed the published specifications, which Tannoy reserves the right to alter without prior notice. Please verify the latest specifications when dealing with critical applications.

APPLICATIONS

- Foreground music & paging systems
- High level music and speech reinforcement
- Lounges, bars, boutiques
- Reception / waiting rooms
- Airports, convention centres, hotels
- Business music systems
- Boardrooms & offices
- Cruise ships
- Retail outlets
- Houses of worship

FEATURES

- 5" ICT™ Transducer for greater durability and longevity
- 90° controlled conical dispersion for optimum coverage and forward gain
- Low insertion loss 30 Watt line transformer - for a more powerful and dynamic performance (CMS50T ICT)
- Front baffle switch for line voltage settings (CMS50T ICT)
- High power handling for higher output
- Phase coherent design for superior vocal articulation and music quality
- No crossover required - better phase, impedance and sensitivity response
- Extended bandwidth for high fidelity
- Intuitive design for fast and easy installation
- Five year loudspeaker warranty

ARCHITECTURAL SPECIFICATIONS

The Ceiling Monitor system shall consist of a 130mm (5") full range, ICT™ transducer. The transducer shall be mounted in a vented, injection moulded front baffle.

The steel enclosure is tuned for optimum low frequency performance. The loudspeaker shall be used in 70 or 100 Volt distributed audio system utilising a high performance transformer with 30, 15, 7.5, 3.75* Watt taps available. An easily accessible selector switch shall be available for selecting transformer settings.

Performance of the ceiling monitor shall meet or exceed the following criteria: The system shall have a conical coverage pattern of 90° at 2kHz and 70° at 8kHz. Frequency response measured on axis shall be 85Hz to 22kHz +/- 3dB. Sensitivity shall be 92dB for 2.83 Volts @ 1 metre.

The system impedance and maximum power handling capability (without transformer) shall be 6Ω and 100 Watts respectively. The system shall be designed for use in false ceilings and gyproc-based walls & ceilings utilising the integral fixing points (additional mounting options available). A weather resistant perforated steel grille covers the transducer and switch.

The Ceiling Monitor System shall be the Tannoy...CMS50 ICT.
* 70 Volt Version only