Control 18C/T
Two-Way 8" Coaxial Ceiling Loudspeaker

Key Features:
- Components:
  - 200 mm (8.0 in) high output driver with polypropylene cone and butyl rubber surround
  - 25 mm (1.0 in) soft-dome liquid-cooled tweeter
- Blind-mount backcan for quick and easy installation
- Dual conduit/cable clamps
- Combined 70V/100V and low impedance direct operation
  - 90 Watts at 8Ω nominal setting
  - 60W multi-tap at 70V/100V
- 58 Hz – 20 kHz bandwidth with 90° coverage
- High 92 dB sensitivity for high maximum SPL
- White or black (-BK)

Applications:
Control 18C/T is a full-range ceiling speaker consisting of a 200 mm (8.0 inch) high tech cone driver and a 25 mm soft-dome liquid cooled tweeter mounted in a vented, paintable baffle made of UV resistant UL94-V0 and UL94-SHB material, with a pre-attached blind-mount backcan for quick and easy installation. The speaker is designed to provide excellent sound quality for a wide variety of medium to high volume applications such as music cafes, business music systems, retail stores, music/paging systems, airports, reception/waiting rooms, lounges, courthouses, convention centers, hotels, educational facilities, and more.

The speaker delivers consistent sound quality for listeners located both off and on axis.

The high technology 200 mm (8.0 in) low-frequency driver is designed with a lightweight, high temperature anodized aluminum voice coil former and high temperature grade voice coil for stable performance and reliability under long-term high power working conditions. The butyl rubber surround provides long-term durability and excellent sonic damping while the polypropylene cone is water and humidity resistant. The FEA-optimized motor construction and cone geometry, along with linear suspension spider design, allow for a smooth frequency response and more consistent off-axis performance. The 25 mm (1.0 in) high frequency driver features a highly damped treated silk dome for clear and warm sound, a lightweight Kapton™ voice coil for better high frequency response and excellent reliability, low viscosity liquid cooling for power handling and reliability, and a wide dispersion waveguide design to produce wide coverage and smooth frequency response.

The removable locking connector has screw terminals for secure wire termination and “loop through” terminals. A dual strain relief assembly provides clamping for use with cable or flex conduit.

Ideal for a wide variety of projects, the Control 18C/T is switchable for use as either an 8 ohm low-impedance speaker or as part of a 70V or 100V distributed loudspeaker system with a 60 Watt multi-tap transformer. The speaker comes complete with two tile support rails, one C-ring support backplate, cutout template, paint shield and grille. A safety seismic attachment ring is provided on the top surface. Available in white or black (-BK).

Preliminary Specifications:

System:
- Frequency Response (±3 dB)
  - Nominal Coverage Angle
- Power Capacity (at low-Z)
  - Transformer Taps
- Transformer Wiring
- Dimensions
- Shipping Weight
- Included Accessories
- Optional Accessories

*Half-space (flush mounted in ceiling) + Continuous Pink Noise Rating in IEC-shaped pink noise with a 6 dB crest factor for 100 hours continuously. Continuous Program Power is a conservative expression of the system's ability to handle normal speech and music program material, and is defined as 3 dB above the Continuous Pink Noise Rating.
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Frequency Response, Impedance:
Frequency Response in Half-Space (2π, mounted in ceiling)
Impedance at 8Ω (low-impedance) setting

Dimensions:

Dimensions in mm (inches)