

ROUND CO-AXIAL METAL CEILING LOUDSPEAKER



➤ RCS5/TCOAX

ARCHITECTS & ENGINEERS SPECIFICATION

This unit shall be the PENTON model RCS5/TCOAX or equal and approved. The loudspeaker baffle shall be a round two part bezel comprising an inner metal mesh grille, and chassis with integral loudspeaker having no visible fixings. Installation shall be by pre-mounted torsion-springs. Assembly shall comprise of a 140mm bass/mid-range coned loudspeaker and a 25mm Mylar dome tweeter complete with 12.5mm moving coil and neodymium magnet. It shall be fitted with a 10 watt/100 volt line factory mounted transformer with the power taps clearly marked on the assembly.

Connection will be via a 3 way terminal capable of taking 2 x 2.5mm² conductors.

The loudspeaker shall have a wide-angle dispersion. The cone shall be a damped, high compliance type with a smooth extended frequency response.

RATED POWER	10w
TAPPINGS 100v LINE	10/5/2.5/1.25w
EFFECTIVE FREQUENCY RANGE	70 - 18.5kHz
SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)	91dB
DISPERSION AT 1k/2kHz	180/180
AXIAL Q FACTOR AT 1k/2kHz	2.1/4.0
COLOUR	WHITE RAL9016
CEILING CUT-OUT	160mm

All units to be tested in accordance with BSEN60268-5



Penton UK Ltd

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The loudspeaker shall have a wide-angle dispersion. The cone shall be a damped, high compliance type with a smooth extended frequency response.

The RCS5/FTSCOAX will be suitable for voice alarm applications. In addition to the above specification will be supplied with a steel fire dome capable of withstanding 800°C. It will incorporate a removable steel plate fitted with 2 x 20mm knock-outs, 3 way ceramic terminals able to take 2 x 2.5mm² conductors and a thermal fuse rated at 150°. The removable gland plate will allow cable termination prior to the fitting of both the fire dome and speaker allowing field cabling to be tested prior to the connection of the speaker. Connection between the gland plate and speaker will be via a pre-wired loom with plug in terminals for ease of 2nd fix installation. This loudspeaker must be compliant to BS5839 part 8 & EN60849.

RATED POWER	10w
TAPPINGS 100v LINE	10/5/2.5/1.25w
EFFECTIVE FREQUENCY RANGE	130 - 18.5kHz
SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)	91dB
DISPERSION AT 1k/2kHz	180/150
AXIAL Q FACTOR AT 1k/2kHz	2.0/5.3
COLOUR	WHITE RAL9016
CEILING CUT-OUT	164mm

All units to be tested in accordance with BSEN60268-5



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