

ROUND CO-AXIAL METAL CEILING LOUDSPEAKER

➤ **RCS8/TCOAX**



ARCHITECTS & ENGINEERS SPECIFICATION

This unit shall be the PENTON model RCS8/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. Assembly shall comprise of a bass/mid-range 215mm diameter coned loudspeaker and a 25mm Mylar dome tweeter complete with 12.5mm moving coil and neodymium magnet. The unit shall be fitted with a 20 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	20w
TAPPINGS 100v LINE	20/10/5/2.5w
EFFECTIVE FREQUENCY RANGE	60 - 20kHz
SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)	91dB
DISPERSION AT 1k/2kHz	180/80
AXIAL Q FACTOR AT 1k/2kHz	3.0/6.5
COLOUR	WHITE RAL9016
CEILING CUT-OUT	238mm

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 RCS8/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, 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°.

This loudspeaker must be compliant to BS5839 part 8 & EN60849.

RATED POWER	20w
TAPPINGS 100v LINE	20/10/5/2.5w
EFFECTIVE FREQUENCY RANGE	100 - 20kHz
SPL @ 1w/m (TEST SIGNAL 100Hz - 10kHz)	94dB
DISPERSION AT 1k/2kHz	180/80
AXIAL Q FACTOR AT 1k/2kHz	5.5/8.6
COLOUR	WHITE RAL9016
CEILING CUT-OUT	246mm

All units to be tested in accordance with BSEN60268-5



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