

## ROUND METAL 2-WAY CEILING LOUDSPEAKER

# RCS8/TCOAX 20W

The RCS range of Co-Axial ceiling loudspeakers have been carefully designed to blend seamlessly into any installation. These units are stylish yet unobtrusive.

Made from a pressed steel epoxy coated chassis incorporating a two-way speaker system comprising a bass mid-range driver and separate tweeter. The bass response has been extended to give depth and warmth to both music and vocals. Both drive units have been carefully tailored to give an exceptionally smooth performance.

Designed to make installation quick and easy, suitable for use in applications where high quality background music and speech are the primary requirement such as shops, schools, restaurants, hotels, public houses, offices etc.



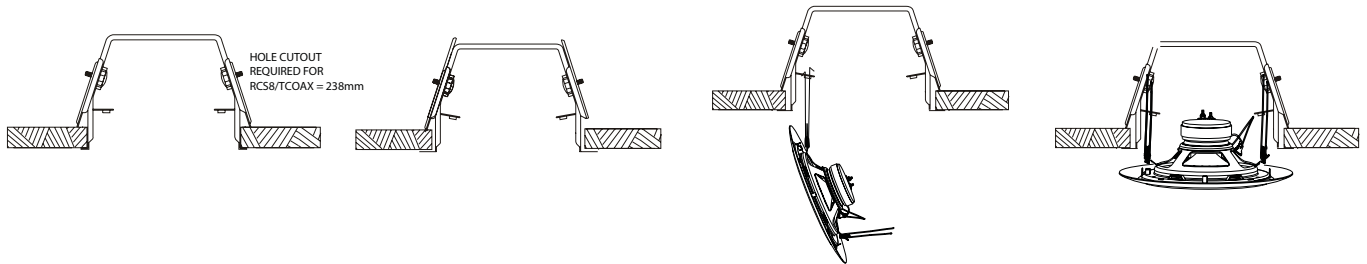
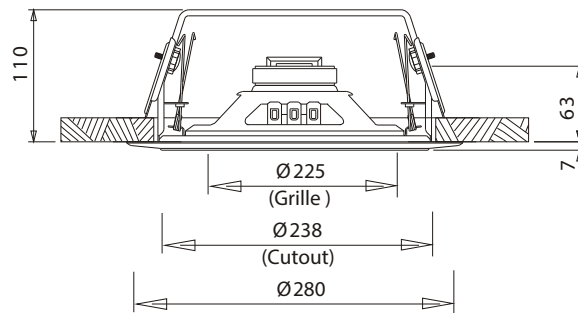
<b>● Electrical</b>	
Rated power, Watts	20
Tappings 100 volt line, Watts	20/10/5/2.5
Transformer Impedance, Ohms 100V	0.5k/1k/2k/4k
Tappings 70.7 volt line, Watts	10/5/2.5/1.25
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BS EN 60268-5)	60 - 20,000
S.P.L. @ 1m, 1 watt, dB, Test Signal Bandwidth 100Hz-10 kHz	91
S.P.L. @ Full power Octave Bandwidth, dB	104
Acoustic Power (dB-PWL@1 watt) 1 k/2kHz, dB	87/89
Dispersion at 1k/2k Hz, Degrees	180/100
Directivity Axial Q factor, 1k/2kHz	3.0 / 6.5
<b>● Environmental</b>	
IP Rating	21
Min/Max amb temp	-10°C to 55°C
Relative Humidity	n/a
<b>● Mechanical</b>	
Dimensions, mm	Ø280x110
Net weight, kg	1.85
Colour/Finish	White RAL9016
Material	Steel
Mounting	Torsion springs, Mounting bracket
Cut-out, mm	Ø238



# INSTALLATION GUIDE

## RCS8/TCOAX 20W

Side view  
(unit: mm)

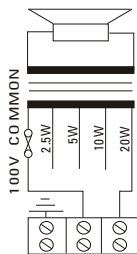


**1)** Place the mounting bracket inside the ceiling aperture and secure it with the two black knobs.

**2)** Loosen the retaining sliders and push to the top of the bracket. Once the bracket is through the hole pull down the sliders and tighten the retaining nut clamping the ceiling.

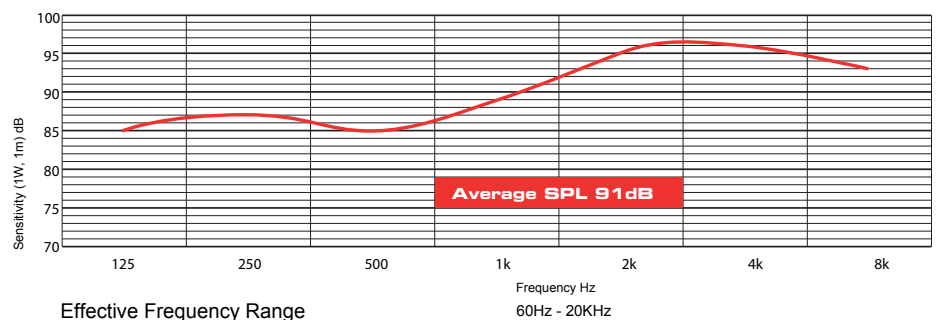
**3) FITTING THE SPEAKER**  
Compress "V" spring and fit into the retaining ear within the bracket. Connect cable to terminal block and select wattage required.

**4)** Fit second "V" clip into second retaining ears and gently push the speaker up into the bracket (do not push the central perforated grille area) the speaker will self locate into the bracket.



Circuit Diagram

Frequency response



Disclaimer: We reserve the right of changes and errors.



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