



## ROUND METAL CEILING LOUDSPEAKERS

# RCS4FT/ENC

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

Made from a pressed steel epoxy coated chassis incorporating a twin cone driver, which offers a wider frequency response than a standard single cone, this gives the RCS range a superior performance. Designed to make installation quick and easy and suitable for use in applications where background music and speech are the primary requirement such as shops, schools, restaurants, hotels, public houses, offices etc.



### EN54-24:2008 0905-CPR-201110 TYPE A

● <b>Standard</b>	Compliant to EN54-24 Compliant to BS5839:8
● <b>Electrical</b>	
Rated power, Watts	4
Tappings 100 volt line, Watts	4/2/1/0.5/0.25
Transformer Impedance, Ohms 100V	2.5k/5k/10k/20k/40k
Tappings 70.7 volt line, Watts	2/1/0.5/0.25/0.13
Driver impedance, Ohms	8
Effective Frequency Range, Hz (BSEN60268-5)	200 - 18,000
S.P.L. @ 1 m, 1 Watt, dB, Octave, 100 Hz-10 kHz	90
S.P.L. @ 1 m, Full power, dB, Octave, 100 Hz-10 kHz	96
S.P.L. @ 4 m, 1 Watt, dB, 1/3 Octave, 100 Hz-10 kHz	75
S.P.L. @ 4 m, Full power, dB, 1/3 Octave, 100 Hz-10 kHz	78
Dispersion at 1k/2k Hz, Degrees	176/162 Horizontal 173/166 Vertical
● <b>Environmental</b>	
IP Rating	21
Min/Max amb temp	-10°C to 55°C
Relative Humidity	≤95%
● <b>Mechanical</b>	
Dimensions, mm	Ø132 x 91.1
Net weight, kg	0.92
Colour (Unless Specified)	White, RAL9016
Material	Steel
Mounting	Fixing Springs x 4 (stainless steel)
Cut-out, mm	Ø119
Safety	Ceramic Block Thermal Fuse Capacitor for DC line monitoring



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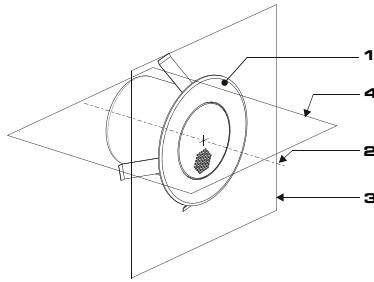
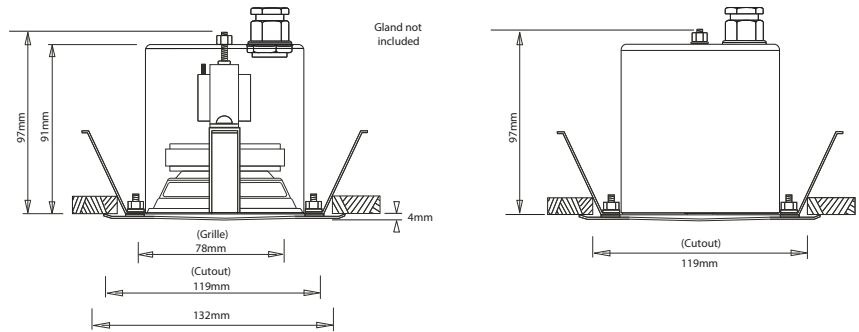




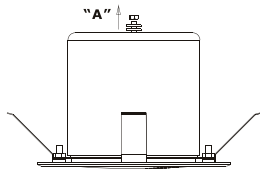
# INSTALLATION GUIDE

## RCS4FT/ENC

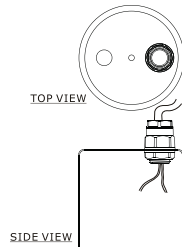
EN54-24:2008  
0905-CPR-201110  
TYPE A



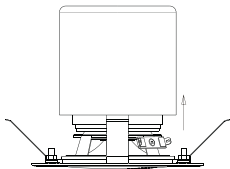
1. Loudspeaker enclosure
2. Reference axis
3. Reference plane
4. Horizontal plane



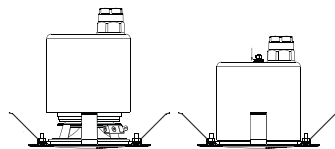
1) Remove nut, washer & O-ring from "A".



3) Gland the installation cable into the fire dome using a suitably rated 20mm gland. Terminate the installation cable into the 3 way terminal block on the speaker.



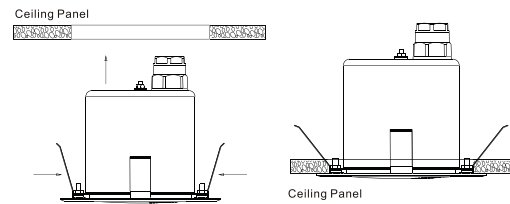
2) Remove the fire dome from the speaker.



4) Re-fit the fire dome to the speaker making sure no wires are trapped between the fire dome and speaker.

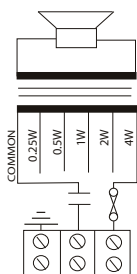
With Transformer:  
100V/70V line

	White wire plus tapping					Black
100V	0.25W	0.5W	1W	2W	4W	COM
70V	0.13W	0.25W	0.5W	1W	2W	COM
IMP (Ω)	40K	20K	10K	5K	2.5K	

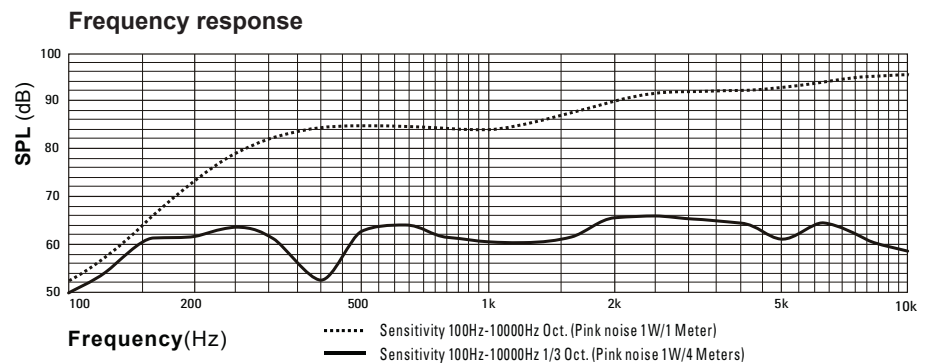


### 5) FITTING THE SPEAKER ASSEMBLY INTO THE CEILING

Cut a round hole 119mm in diameter paying attention to ensure that the cut-out is accurately made. As if it is not, the speaker may not fit correctly into the ceiling preventing the speaker from sitting flush to the surface. Each of the 4 spring mounts need to be pressed back towards the fire dome and then the whole unit is pushed into the ceiling cut-out. Once the springs and the fire dome are located inside the cut-out, the speaker can be pushed into place. The spring tension should help to pull the speaker into its final position. If fitted correctly the speaker should fit flush to the surface.



**Circuit Diagram**



Disclaimer: We reserve the right of changes and errors.



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