ROUND METAL 2-WAY CEILING LOUDSPEAKER

RCS8FTCX/EN

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.

EN54-24:2008
0359-CPD-0136
TYPE A

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● **Standard**	Compliant to EN54-24 Compliant to BS 5839:8
● **Electrical**	
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 (BSEN60268-5)	100 - 20,000
S.P.L. @ 4m, 1watt, dB,1/3 Octave, 1KHz	66
S.P.L. @ 1m, 1watt, dB, Test Signal Bandwidth 100Hz-10kHz	94
S.P.L. @ 4m, Full power, dB, 1/3 Octave 1KHz	79
S.P.L. @ 1m, Full power, Test Signal Bandwidth 100Hz-10kHz	107
Dispersion at 1k/2k Hz, Degrees	180/80
● **Environmental**	
IP Rating	21
Min/Max amb temp	-10℃ to 55℃
Relative Humidity	≤95%
● **Mechanical**	
Dimensions, mm	Height 126, Ø280
Net weight, kg	2.93
Colour (Unless Specified)	White RAL9016
Material	Steel
Mounting	Torsion Springs
Cut-out, mm	Ø246
Safety	Ceramic Block Thermal Fuse

INSTALLATION GUIDE
RCS8FTCX/EN

EN54-24:2008
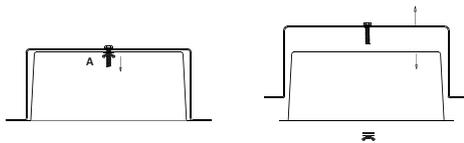**0359-CPD-0136**
TYPE A
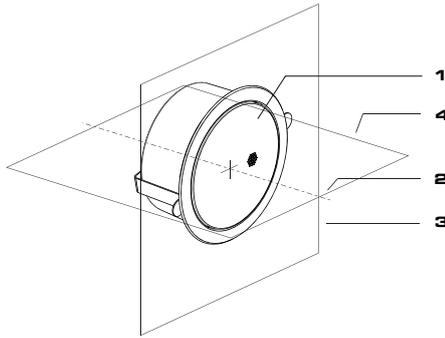
1. Loudspeaker enclosure
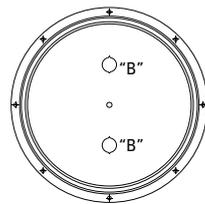2. Reference axis
3. Reference plane
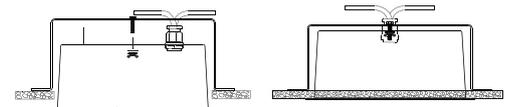4. Horizontal plane
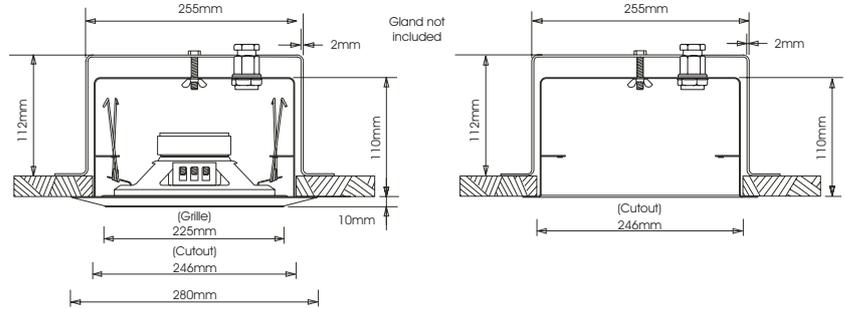
With Transformer:
100V/70V line

	White wire plus tapping				Black
100V	2.5W	5W	10W	20W	COM
70V	1.25W	2.5W	5W	10W	COM
IMP (Ω)	4K	2K	1K	0.5K	

1) Remove wingnut and washer and separate the fixing bar and fire dome.

2) Gland the installation cable through the 20mm gland entry(s) "B".
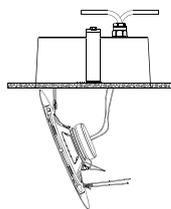
FITTING THE DOME INTO A CEILING

3) Cut a 246mm hole paying attention to ensure that the cut-out is accurately made. If not the speaker may not fit correctly and stop the speaker from sitting flush to the surface.
Place the fixing bar into the voided area and insert the fire dome into the pre-cut hole. Locate the retaining bolt through the centre hole in the fire dome, fit the washer and wingnut. Tighten the wingnut to secure the fire dome into position.
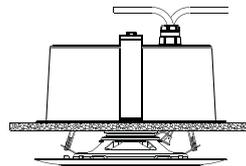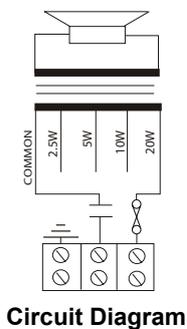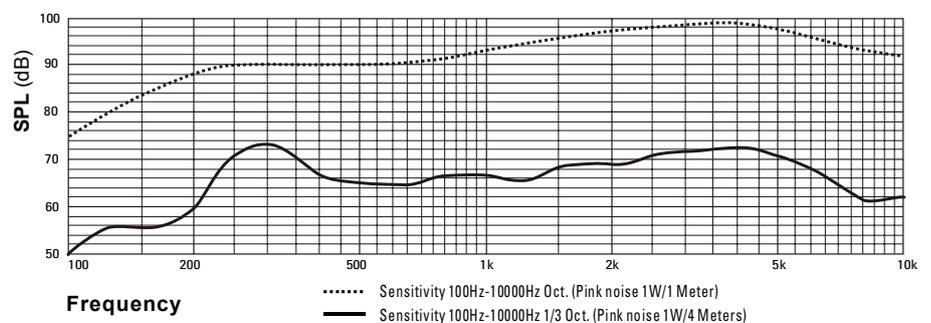
4) Fitting the speaker into the fire dome. Compress one of the "V" springs and locate into the retaining ear within the fire dome. Terminate the installed cable to the 3 way terminal block located on the speaker.

5) Compress the second "V" spring and locate this into the second retaining ear within the fire dome. Please ensure cables are clear of the "V" springs. Gently push the speaker up into the fire dome and the "V" springs will locate the unit into the fire dome. Please do not push against the perforated grille of the speaker.

Frequency response

Circuit Diagram

Sensitivity 100Hz-10000Hz Oct. (Pink noise 1W/1 Meter)
Sensitivity 100Hz-10000Hz 1/3 Oct. (Pink noise 1W/4 Meters)

Disclaimer: We reserve the right of changes and errors.

RoHS CE