

EF-CS6-130-ENP / EF-CS6-165-ENP Flush Mount Ceiling Speaker

Technical Data

EATON EF-CS6-130-ENP EF-CS6-165-ENP

CE 22
1438
DoP0510

22
1438
DoP0511

Certificate No. 1438-CPR-0857

Specification	EF-CS6-130-ENP	EF-CS6-165-ENP
Power 100V	6W / 3W / 1.5W	6W / 3W / 1.5W
Power 70V	3W / 1.5W / 0.75W	3W / 1.5W / 0.75W
Impedance 100V	1,667Ω / 3,333Ω / 6,667Ω	1,667Ω / 3,333Ω / 6,667Ω
Impedance 70V	1,633Ω / 3,266Ω / 6,533Ω	1,633Ω / 3,266Ω / 6,533Ω
Frequency range	104 – 17,200 Hz	300 – 19,300 Hz
Frequency response	57 – 24,000 Hz	70 – 23,500 Hz
SPL 1W/1m, peak	98.3 dB	100.2 dB
SPL 1W/4m, peak	86.3 dB	88.2 dB
SPL Pmax/4m, peak	94 dB	95.9 dB
SPL rated noise power / 4m	85.0 dB	85.0 dB
Sensitivity EN54-24, 1W/4m	74.8 dB	79.2 dB
Sensitivity EN54-24, 1W/1m	86.8 dB	92.2 dB
Dispersion -6dB, 500Hz	180°	180°
Dispersion -6dB, 1KHz	180°	180°
Dispersion -6dB, 2KHz	140°	135°
Dispersion -6dB, 4KHz	85°	60°
Dimensions	181.5 x 65 mm	199 x 72 mm
IP rating	IP21	IP21
Weight (net)	0.51 kg	0.72 kg
Ceiling cut-out	156 mm	166 mm
Temperature range	-10 / +55°C	-10 / +55°C
Mounting	Spring clamps	Spring clamps
Connector	4-pin screw terminal	4-pin screw terminal
Maximum cable cross section	4.9mm ²	4.9mm ²
Max. cable cross section loop	2 x 1.2mm ²	2 x 1.2mm ²
Colour	RAL 9016	RAL 9016

Thank you for purchasing Eaton **EF-CS6-130-ENP / EF-CS6-165-ENP** ceiling speaker. This product was tested before shipment and, therefore, should arrive in working condition. If you have any issues with this speaker, please contact your supplier in the first instance.

⚠ CAUTION

WARNING: INAPPROPRIATE USE OF THIS SPEAKER CAN RESULT IN PROPERTY DAMAGE, INJURY OR DEATH.

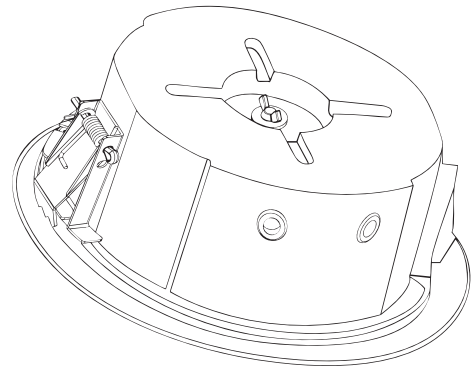
- Please be sure to read the whole installation manual.
- Please follow all recommendations of this installation manual.
- We recommend you keep this manual for future reference.

If you have any concerns or questions regarding the points raised in this manual, please contact your supplier in the first instance.

EN54-24 Components of voice alarm systems - Loudspeakers

Essential Characteristics

Harmonized Technical Specification: EN54-24:2008



Note: The speaker is not waterproof and is only designed for use inside a building. Exposure to rain or other water sources will result in damage to the unit.

This unit is design to operate at 100/70V. Please isolate the speaker cabling from the source before conducting any works within the unit.

Ensure the speaker is correctly installed into a firm recess. Failure to do so may result in the speaker failing and causing an injury or death.

Ensure all terminations are fully tightened to avoid short circuits forming due to disconnected cables.

Do not install speakers into humid, dusty, smoky or steamy environments; the speaker may be damaged and not operate correctly.

Do not use the fire dome as a junction box for other cables. Only 70 V / 100 V loudspeaker lines should be connected to this speaker.

Because of the many different types of ceiling materials and ceiling strengths, it should be ensured that the ceiling strength is suitable for the weight of the speaker.

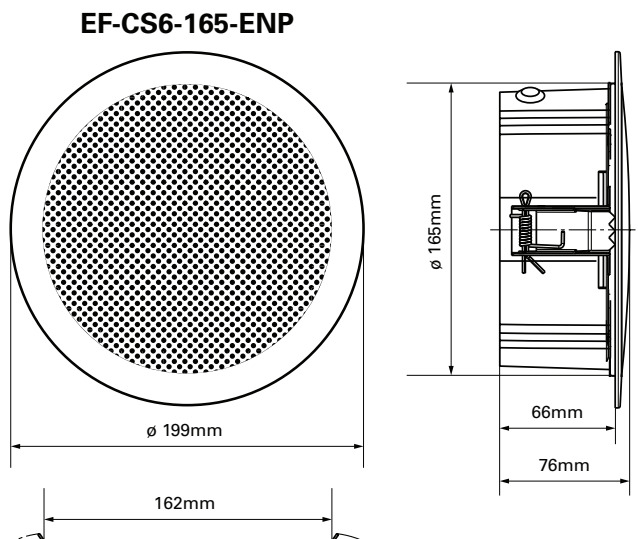
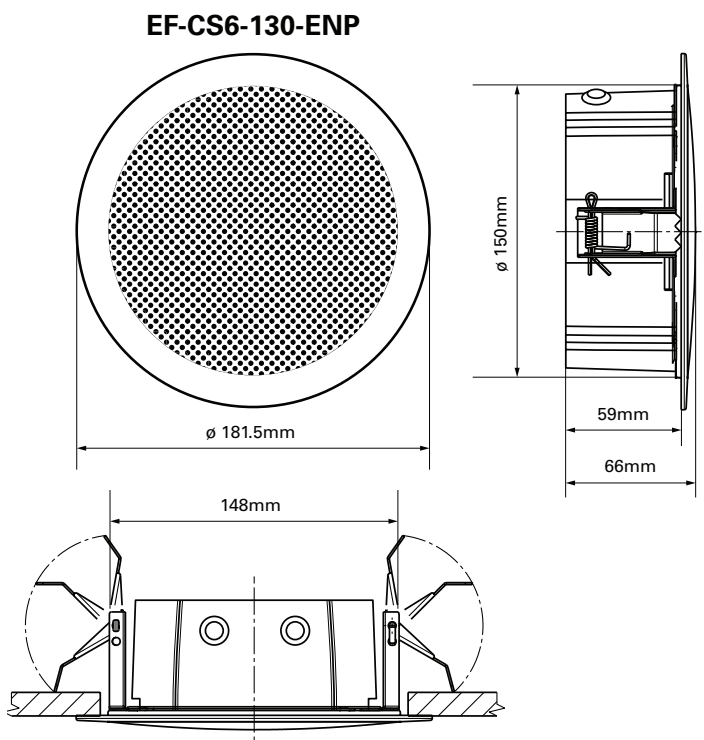
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Installation

1. Unscrew the nut in the middle of the dome and remove the dome of the loudspeaker.
2. Put the incoming cables through the cable entry of the dome and connect to the correct terminal.
3. Put the dome back onto the loudspeaker and fix it with the nut.
4. Lift the leg springs of the loudspeaker and put the loudspeaker into the ceiling cut-out.
5. Adjust the loudspeaker into the ceiling cut-out until the speaker is completely locked up with the ceiling.

Dimensions



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August 2025

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