

**Ceiling speaker
+ Signal LED
CSE55**

AUDAC

PROFESSIONAL AUDIO EQUIPMENT

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User Manual & Installation Guide

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Introduction

The CSE55 is a single cone loudspeaker with an integrated red signal light with 6 integrated high intensity LEDs (24 V), which emit a visual evacuation signal. The ceiling speaker is specially designed to deliver high-quality speech reproduction, but can also be used for background music. It is standard fitted with a 100 Volt line transformer with connections for different powers. The speaker combines professional audio equipment with great design and comfort.

Warning

- Only use the correct amplifier output voltage and impedance, exceeding these limits could cause fire or other failures.
- Avoid explosions: do not use the speaker around gasoline, thinner or other combustibles.
- Only install the speaker in locations that can structurally support the weight of the speaker and the mounting bracket. Not doing this may result in the speaker falling down.
- Do not use any other method than specified to mount the bracket. If extreme force is applied to the speaker, it could fall down.
- Avoid mounting the speaker in locations exposed to constant vibrations. The mounting bracket can be damaged by excessive vibration, potentially causing the speaker to fall down.

Caution

- Avoid electric shocks: switch off the amplifier power when connecting the speaker.
- Avoid installing the speaker in locations exposed to solvents, acids, smoke and heaters, as excessive exposure to these factors could result in speaker failure, fire or electric shock.
- Do not operate the speaker for an extended period of time at distorted sound. This could cause (irreparable) damage to the speaker.
- Do not stand or sit on it, nor hang down from the speaker as this may cause it to fall down or drop.

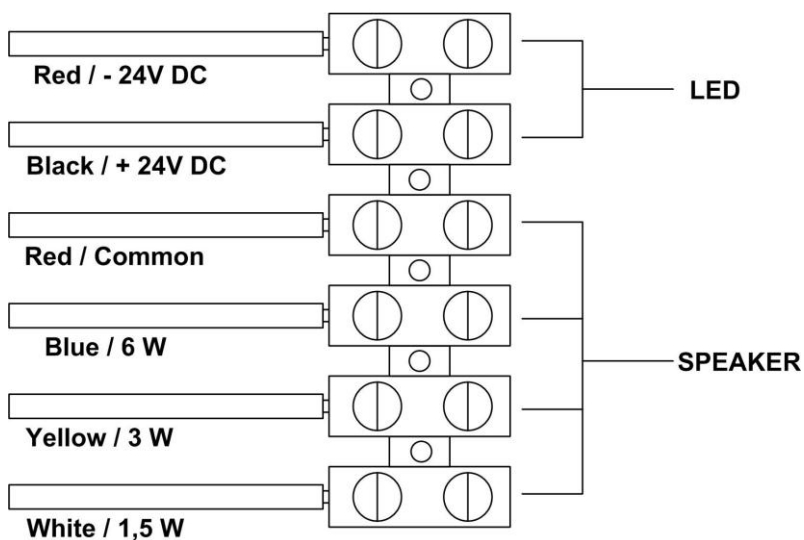
Installation

- Make a hole with a diameter of 165mm. This is very easy when you use the carton that is inside of the box.
- Take the grille from the speaker and put the speaker in the hole.
- Tighten the screws of the speaker so that the speaker will be clasped on the ceiling or wall.
- Inside of the box, you can find gums. Put these gums on the sides of the grille. Then put the grille on the speaker. The gums on the sides of the grille will prevent the grille from falling down.

Connections

Impedance

- Connect the speaker according to the desired power, according to the following scheme.
- Connect the power supply for the LED also according to the following scheme. Pay attention that you don't put power on the inputs of the speaker.
- If you use different speakers in the same place, make sure that you use the same polarity for all the speakers.
- The total power of all connected speakers may not exceed the output power of the amplifier.



Technical specifications

Speaker

Nominal Speaker Power: 15 W
Sound pressure: 1W / 1m 90 dB
Maximum SPL: 100.8 dB
Impedance Loudspeaker: 8 Ohm
Impedance line transformer: 1.600 Ohm/ 6 W
3.300 Ohm/ 3 W
6.600 Ohm/1.5 W
Frequency range: 70 - 14.000 Hz
Outside diameter: 200 mm
Installation depth: 70 mm
Cut-out measurement: 165 mm
Color: White RAL 9010
Weight: 1 kg
Option Available in other RAL colors

LED

Power: 24V (20V-30V)
Current: 45mA (@ 24V)
Angle: 120°
Light Intensity: 24 lumen
Color: Red
Dimensions (Diameter x Height): Ø 44 mm x 24 mm
Weight : 17 gr.
Housing: White ABS bottom with transparent cap.
Length connection cables : 80 mm