



eIC5154

IN-CEILING LOUDSPEAKERS

EN 54-24 Certified Loudspeaker



USER MANUAL

IMPORTANT NOTE

Congratulations! You are the owner of a carefully designed and manufactured piece of equipment. We thank you for trusting in us and choosing our eIC5154 EN 54-24 certified loudspeaker.

In order to get the optimum operation and efficiency from this unit, it is **VERY IMPORTANT** - before you plug anything in - to read this document very carefully and bear in mind all considerations specified within. We strongly recommend that maintenance be carried out by our Authorized Technical services. Keep this document for future references.



Warning: an inappropriate usage of the device could cause injury, death or damage the apparatus.

PRECAUTIONS

- Never use this unit in proximity to water or fire
- Do not expose the unit to water splashing
- Avoid placing the unit next to heat sources such as spotlights or heaters
- The use of high voltage may cause electric shock or fire, take safety precautions and use appropriate equipment when installing the device
- Install the device following manufacturer's indications. An incorrect installation may lead the device to fall down, causing a personal injury or property damage
- The device must be installed in solid surface
- Do not manipulate the device with wet hands
- Do not pull the wires of an electric installation, it may cause fire or an electric shock
- Do not remove the device when it is connected to the electric installation. Before it, unplug the loudspeaker
- Do not install the device on vent covers

PRODUCT OVERVIEW

ECLER eIC5154 is a cost-effective in-ceiling loudspeaker that features a design which conforms to EN54-24 standard (Fire detection and fire alarm systems, Voice alarms - Loudspeakers). It performs a 5" woofer.

KEY FEATURES

- Power selector @ 100V
6/3/1,5/0,75/0,38 W
- 5" woofer
- EN 54-24:2008 certified

APPLICATIONS

- Corporate and residential buildings
- Commercial premises
- Leisure centres
- Health and sports centres
- Meeting and conference rooms
- Auditoriums, museums

CERTIFICATIONS

- EN 54-24:2008

TECHNICAL DATA

Power selector @ 100V	6/3/1,5/0,75/0,38 W
Power selector @ 70V	3/1,5/0,75/0,38/0,19 W
Frequency response (-10 dB)	130Hz – 18kHz
Sensitivity 1W/1m	92 dB
Cutout size	Φ 157 mm
Dimensions	180x147 mm
Weight	1.2 kg

ACOUSTIC MEASUREMENT ENVIRONMENT

1. Environment: test room with noise lower than 50dB; temperature +25°C; humidity 75%.
2. Processing: debug the test system according to CLIO debugging instruction.
3. Put the speaker in test box, right side up. Put the MIC of CLIO test system facing down rightly to the center of the speaker driver. The distance between the MIC and speaker driver keeps at 30cm.
4. Take the stored sample curve. The curve of the newly test speaker driver should be the same as the sample curve (error range ±3dB).
5. Judge if the speaker is qualified or not according to the curve. If it is qualified, continue the next test. If it is not qualified, do rework.

CONNECTION



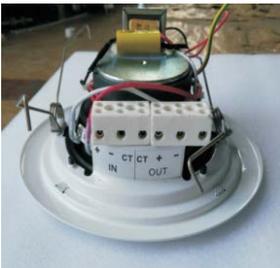
Step 1: open the loudspeaker from the clamp as shown in the picture.



Step 2: release the spring to open the fireproof dome.

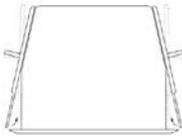


Step 3: pass the audio cable through the wire clamp.



Step 4: connect the loudspeaker wire according the requirement in the label. Then install the loudspeaker.

INSTALLATION



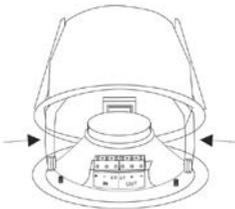
Step 1: measure the mounting hole. It must be as the cutout size of the device. Pass the cable through the cable gland.



Step 2: loose the metal plates and rise them up to the top. Insert the back can into the mounting hole.

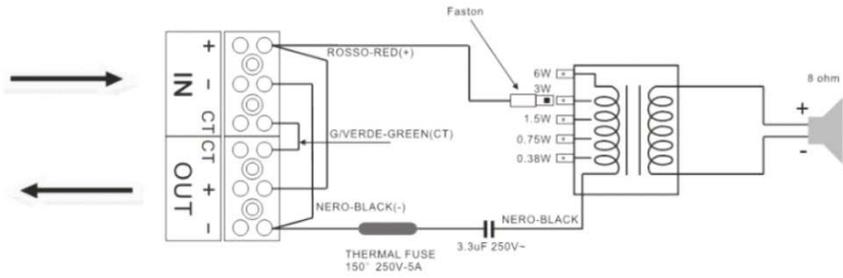


Step 3: slide down the metal plates until they reach the surface. Tight the fasteners inside the back can.

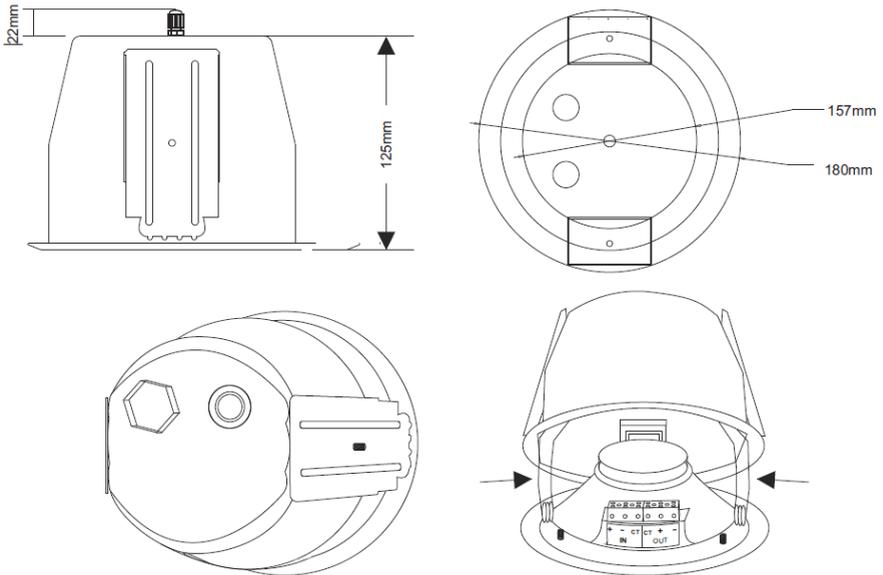


Step 4: connect the audio cable to the loudspeaker's terminal block. Finally, insert the mounting springs into the hooks and push the loudspeaker into the back can.

CIRCUIT DIAGRAM

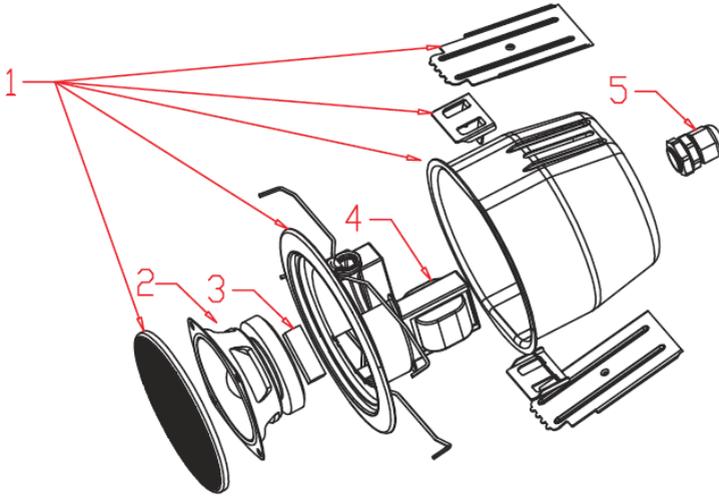


MECHANICAL DIAGRAMS

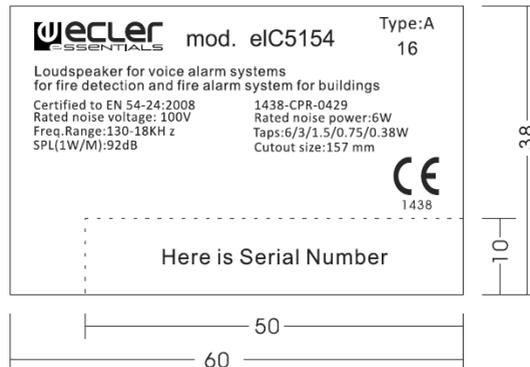


EXPLODED VIEW

NO.	Name	Specification
1	Speaker shell	5" Black Speaker shell
2	Speaker	5"Bass(565EN)
3	Metal film capacitance	250V3.3UF No pole capacitance -25*+85°
4	Transformer	SH-565-1Y
5	Wire clamping device	PG9



REAR LABEL



All product characteristics are subject to variation due to production tolerances. NEEC AUDIO BARCELONA S.L. reserves the right to make changes or improvements in the design or manufacturing that may affect these product specifications.

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