



## IW103

### CEILING LOUDSPEAKERS

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*Ceiling / Wall loudspeakers*



# USER MANUAL

CONTENT

<b>IMPORTANT NOTE</b>	3
<b>PRECAUTIONS</b>	3
<b>INTRODUCTION</b>	3
<b>MAIN FEATURES</b>	4
<b>CONNECTING</b>	4
<b>INSTALLATION</b>	5
<b>TECHNICAL SPECIFICATIONS</b>	5
<b>MECHANICAL DIAGRAMS</b>	6

## IMPORTANT NOTE

Congratulations. You are the owner of a carefully designed, painstakingly manufactured product. We thank you for putting your trust in us by having chosen our wall/ceiling fitting loudspeaker IW103.

To achieve the maximum operation and performance, before connecting, it is VERY IMPORTANT to read the instructions in this manual carefully and take them into account. In order to guarantee optimum working order, we recommend that maintenance be carried out by our authorized Technical Services.

## PRECAUTIONS



Do not use this device near water. Do not expose the equipment to splashes. Avoid placing the equipment near sources of heat, spotlights or heaters. Only use the accessories specified by the manufacturer appropriate for each task.

## INTRODUCTION

The IW103 loudspeaker for installation in the wall or ECLER ceiling, incorporates a careful selection of components, in an easy-to-use design to make installation swift. It also offers excellent sound reproduction in bass and treble thanks to its one-way system, a full-range 3" transducer.

The transformer housed inside makes it possible to use the unit intuitively on line with 100V/70V, simply by changing the position of the terminals.

The discrete rectangular design as well as the ease and speed of installation make the IW103 the ideal option for a wide range of applications and architectonic environments.

## MAIN CHARACTERISTICS

- Wall or false ceiling fitting Loudspeaker
- 3" woofer
- Connections for 15W/30W @ 100V spring-loaded terminal input connectors
- Sensitivity (1W/1m): 83 dB SPL
- White finish
- Installation system: 2 points with rotating flange

**Note:** in the event of using in installations at 70V, the corresponding power ratings for the 100V position will be reduced to half those indicated on the switchboard. In the event of installations at 50V, it will be reduced to a quarter.

Model IW103 incorporates a detachable protective grille. Take care not to damage the loudspeaker when extracting the grille.

## CONNECTING

The connection terminals are the crimp connector type for stripped wire. In areas where a low sound level is needed, use the terminals COM and 15W to connect the loudspeaker; while in areas where a higher sound level is required, use the terminals COM and 30W. At all times, respect the polarity.



**Note:** If the system is accidentally connected at low impedance  $8\Omega$ , this will not cause any damage to the loudspeaker, but it will reduce its performance considerably below its capabilities.

It is easy to install each unit with the 2 rotating flanges included. For further details on the method of installing, please consult the section INSTALLATION in this manual.

## INSTALLATION

To correctly install this product, it is essential to first make a rectangular hole in the place where it is to be fitted, allowing for the relevant wiring for each unit.

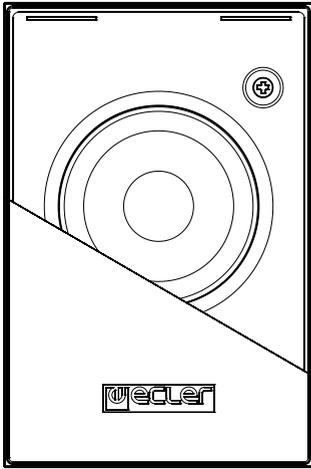
See below for details of the steps to follow for correct installation:

1. Remove the protective grille from the unit.
2. Make a rectangular hole in the false ceiling or wall. The dimensions needed for this hole are 147x95 mm.
3. Connect the existing wires into the installation with the unit using the crimp connectors.
4. Insert the loudspeaker into the hole. Hold the unit with one hand and insert it into position, ensuring that the 2 rotating flanges lie at a tangent to the cut.
5. Tighten the 2 screws accessible from the front part of the unit. The loudspeaker will then be fixed into its final position.
6. Place the protective grille.

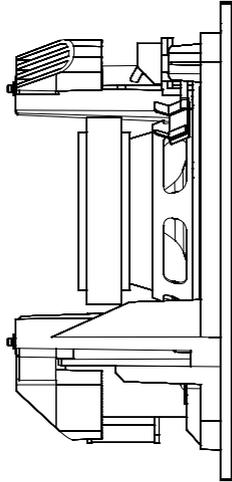
## TECHNICAL SPECIFICATIONS

<b>Ways</b>	1
<b>Speaker diameter</b>	3"
<b>RMS power</b>	30W
<b>Power selector</b>	15W/30W
<b>Input impedance</b>	667 $\Omega$ /333 $\Omega$
<b>High frequency response</b>	20kHz
<b>Sensitivity 1W/1m</b>	83dB
<b>Dimensions (WxHxD)</b>	110x165x80mm
<b>Recommended cutting hole</b>	147x95mm
<b>Connection type</b>	Spring terminals
<b>Weight</b>	900g

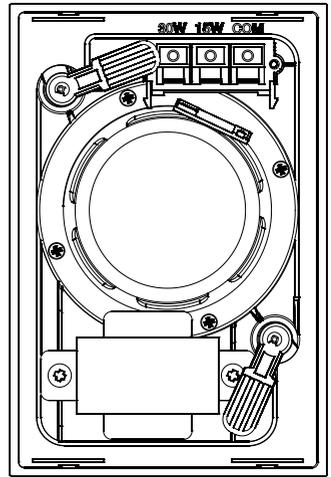
## MECHANICAL DIAGRAMS



**FRONT**



**SIDE**



**REAR**

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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