

2-way Pendant Speaker for Voice Alarm applications, certified EN54-24

EN54-24



DESCRIPTION

The 20W speaker is equipped with a 100mm 2-way bass reflex system and offers powerful sound with a wide and homogeneous dispersion.

The PSP has a 100V transformer with 4 power adjustments, these can be easily adjusted by a rotary switch on the top of the sphere. Low impedance operation is also possible.

The impact-resistant, UV-resistant ABS plastic housing in RAL 9016 guarantees lasting stability.

Additional operational safety is provided by the 2-pole ceramic terminal block, a thermal fuse, a PG screw connection integrated into the canopy and the moisture impregnation of the loudspeaker.

The loudspeaker is protected against the risks of environmental influences with protection class IP65.

The connection is made via a 2-core, 4.5m long cable.

Quick and uncomplicated installation using mounting hooks and canopy.

The speaker is compliant with the British Standard BS 5839, Part 8.

ELECTRICAL DATA

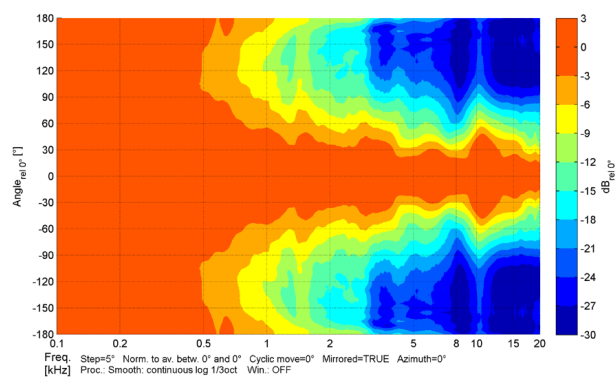
Power	20 / 10 / 5 / 2.5 (8)W
Impedance (100V)	500 / 1000 / 2000 / 4000 / 8 Ohm
Frequency Range	80 -20.000 Hz
Frequency response	70 - 22.000 Hz
SPL 1W/1m, peak	89,0 dB
SPL , 1W/4m, peak	77,0 dB
SPL Pmax/4m, peak	90,0 dB
SPL, rated noise power / 4m	84,1 dB
Sensitivity EN54-24, 1W/4m	71,9 dB
Dispersion -6dB, 500Hz	h/v 360° / 360°
Dispersion -6dB, 1KHz	h/v 160° / 160°
Dispersion -6dB, 2KHz	h/v 102° / 102°
Dispersion -6dB, 4KHz	h/v 86° / 86°

MECHANICAL DATA

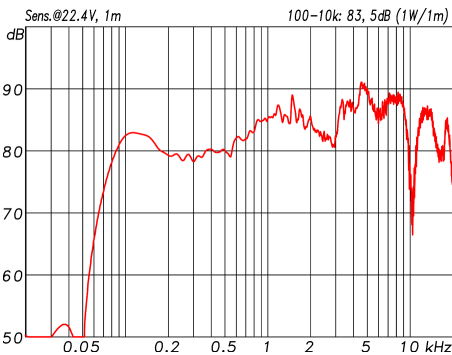
Dimensions	189,4x231 mm
IP Rating	IP65
Weight (net)	2,02 kg
Temperature range	-10 / +55 C°
Mounting	Mounting hook
Connector	2-pin ceramic block
Maximum cable cross section	8mm²
Max. cable cross section loop	2x2mm²
Colour	RAL 9016

POLAR DIAGRAMS

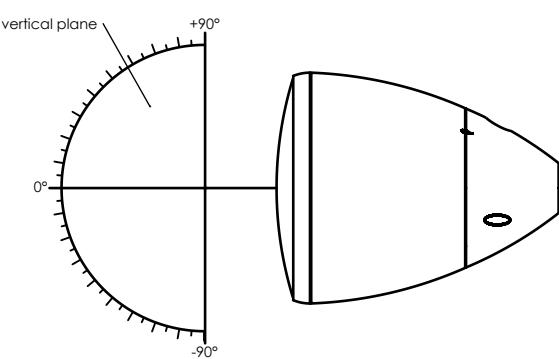
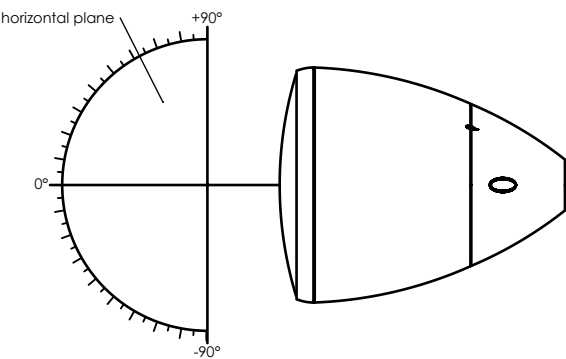
HORIZONTAL ISOBARS: FBT PSP 420 TWP/EN PLUS EN54



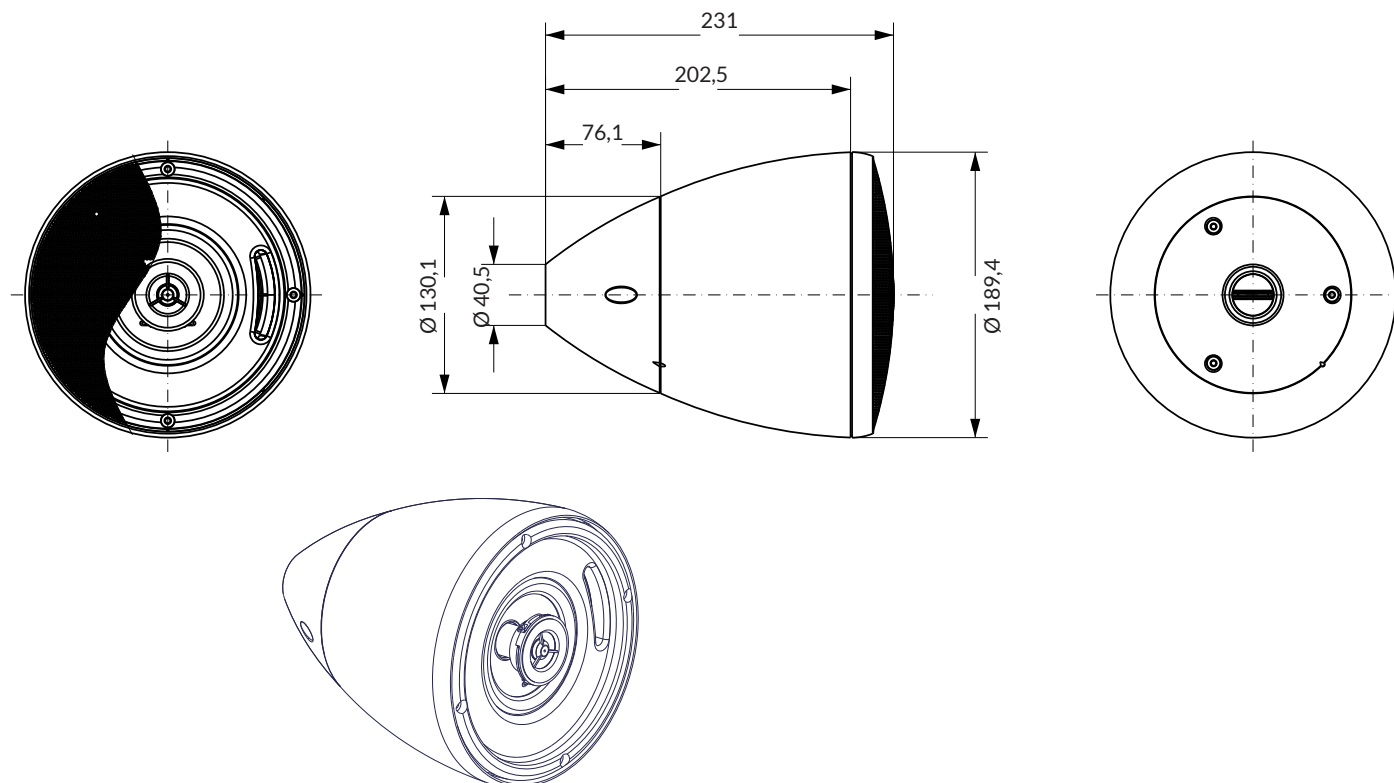
FREQUENCY RESPONSE DIAGRAM



MEASUREMENT REFERENCE AXIS



DIMENSION DRAWING



MOUNTING INSTRUCTIONS

1. Hang up the sphere speaker on the strain relief on a hook at the ceiling.
2. Connect the incoming cable at the ceramic block in the baldachin.
3. Slide the baldachin up to the ceiling to cover up the ceramic block.

NOTES

- About enclosure protection, the loudspeakers are tested and classified according to the IEC standard 60529, please note that the testing of the products has been carried out in laboratory conditions which are not always 100% comparable with the conditions of different installation environments. This protection can be reduced due to normal wear and tear depending on the installation environment.
- The IP rating specified is based on Manufacturer test results, not on CNBOP-PIB test results. Certification only verifies the minimum requirements for EN54-24 compliance.
- Data presented on this data sheet represents the basic performance specifications for the model. For a detailed analysis of this loudspeaker's performance, please download the GLL file from our website: www.fbt.it
- FBT strives to improve its products on a continual basis. Specifications are therefore subject to change without notice.
- The Specifications data was measured according to EN 54-24.