

PL 82EN

2 WAYS CEILING SPEAKER FIRE DOME



DESCRIPTION

The PL 82EN is a 2 ways ceiling speaker featuring a flameproof steel firedome designed for recess installation in false ceilings or panels. It is especially suitable for broadcasting alarm messages thanks to highly intelligible sound reproduction and it is resistant to the high temperatures reached during fires. The terminal connection boards are in ceramic material for input and output flameproof cables. A thermal fuse protects the integrity of the line in case of heat affecting the speaker. Ground screw. Cables inside speaker made using flameproof leads.

MAIN APPLICATIONS

- Voice evacuation system
- Schools
- Shopping malls
- Hospital
- Museums
- Hotels
- Office building

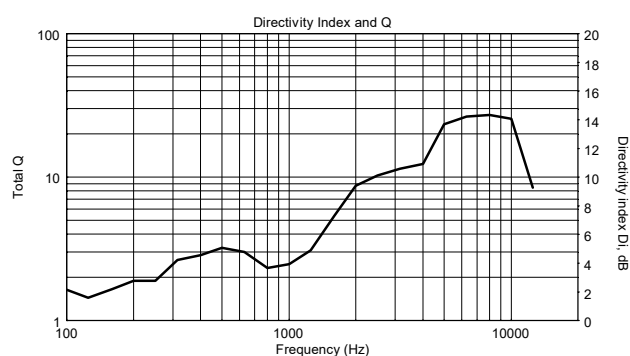
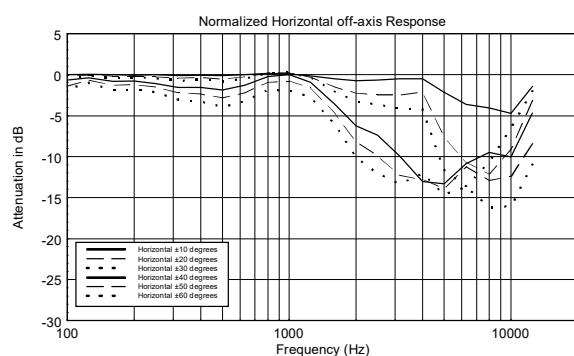
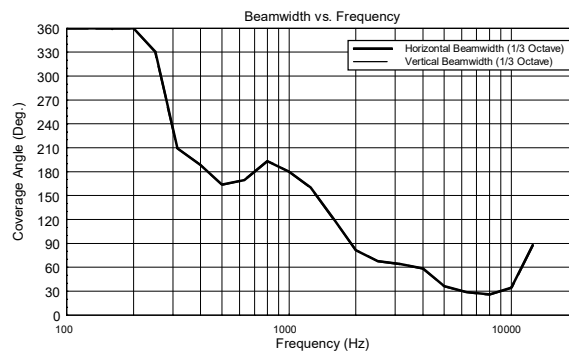
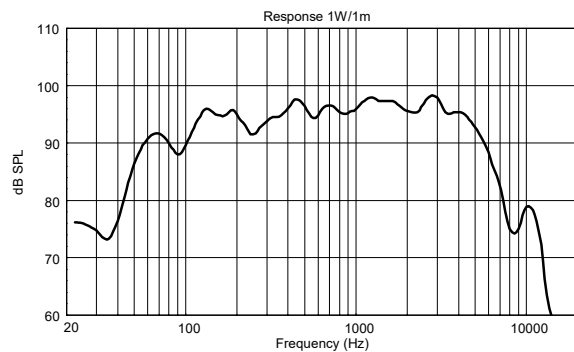
MAIN FEATURES

- Speaker for transmitting alarm voice messages with high intelligibility and background music.
- Power (selectable) at 100V: 20 W – 10 W – 5 W.
- 8" diameter coaxial loudspeaker.
- Steel protection Fire Dome, terminal strip in ceramic material for connecting flameproof input and output cables, thermal fuse, suitable internal wiring.
- Colour white RAL 9016.

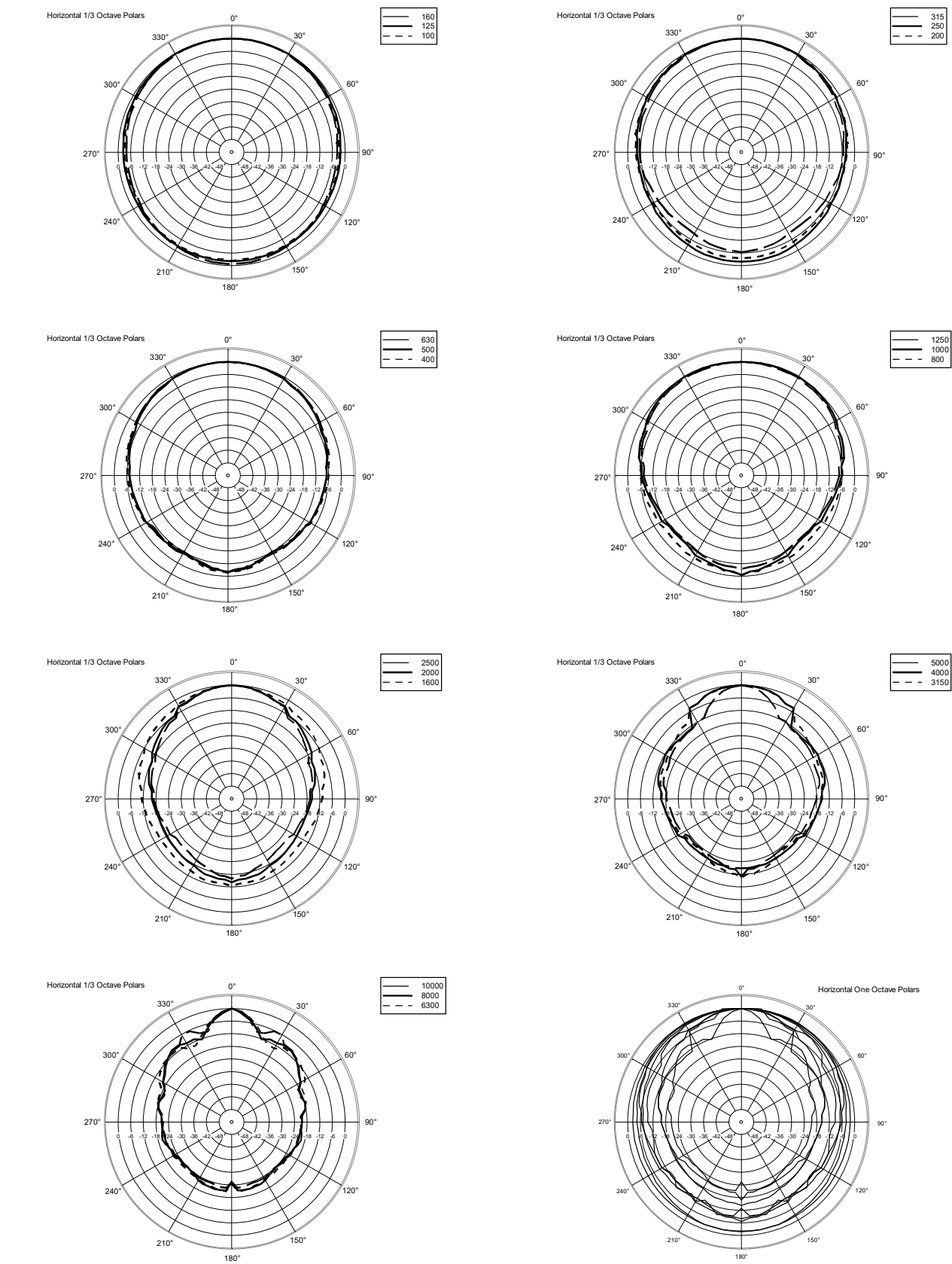
SPECIFICATIONS

Input voltage	100 V – (70 V)
Power	20 W – 10 W – 5 W
Input impedance (1 kHz)	1.67 k Ω (20 W) – 3.33 k Ω (10 W) – 6.67 k Ω (5 W)
Frequency response	130 Hz ÷ 20 kHz (–10 dB)
Sensitivity	94 dB (1 W, 1 m), 82 dB (1 W, 4 m)
Max sound pressure level	106 dB (1 W, 1 m)
Transducer	8"
Material	Steel
Colour	Body and grille: white RAL 9016 Dome: red
Connector	Ceramic terminal
IP protection grade	IP 40
Dimensions	ø 272 mm (10.71"), h: 145 mm (5.71")
Net weight	3,7 kg (7.65 lb)





HORIZONTAL 1/3 POLAR PLOT

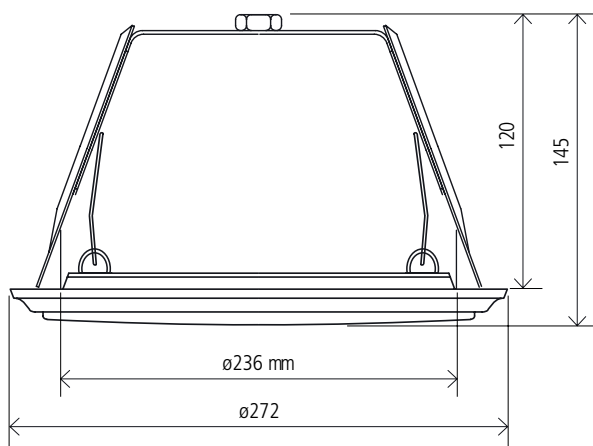


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PART NUMBERS

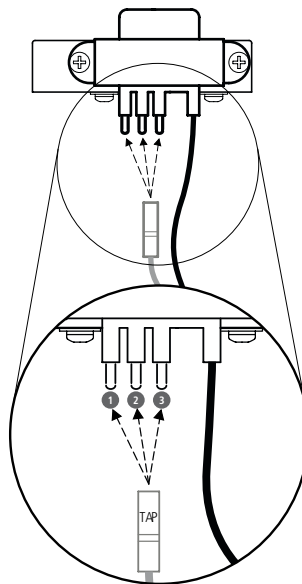
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DIMENSIONS (All data are in mm)

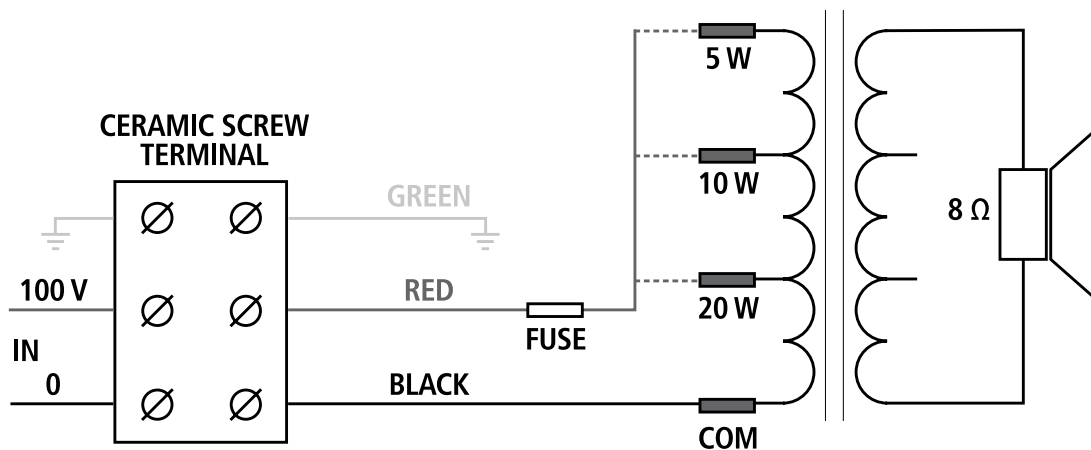


POWER SELECTION

Select the power value among 20 / 10 / 5 W (at 100V) on the loudspeaker transformer by linking the red wire to the proper terminal. If the line is 70 V, the power will be halved. Connect the black wire to the transformer COM terminal.



SCHEMATICS



INSTALLATION NOTES

The PL 82EN is designed for flush-mount installation in false ceilings. Before installing the loudspeaker, make sure there is sufficient space behind the false ceiling panel to hold the speaker: with respect to the support surface of the front flange of the loudspeaker, a free space 150 mm deep is necessary.

CERTIFICATIONS AND APPROVALS

EN 54-24:2008. Fire detection and fire alarm systems. Part 24: Components of voice alarm systems - Loudspeakers.

Certificate: 0068-CPR-051/2017

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