

FIGARO EN 54-24 EVAC

THE INVISIBLE LOUDSPEAKER, EN54-24 EVAC CERTIFIED



DESCRIPTION

Figaro EN54-24 EVAC is a 100 Volt invisible ceiling / wall loudspeaker with 5 power setting compliant with EN54-24:2008.

It's designed for recessed installation above false ceilings and behind walls by the 50x50 cm fire /water resistant plasterboard panel included.

The speaker is only for indoor usage.

Figaro EN54-24 EVAC uses magnetostrictive technology transforming an electric impulse into mechanic power and it propagates on the surface on which it is placed on (the plasterboard and then the whole ceiling/wall, simply by contact) as with a huge acoustic membrane.

This provides an homogeneous sound diffusion below the surface / area on which is installed plus the benefit to remain completely invisible since the Figaro EN54-24 EVAC 50x50 plasterboard panel is fully integrated in the surface.

Designed for voice alarm and background music, the FIGARO EN54-24 EVAC offers an optimal intelligibility, sound quality and high fidelity audio reproduction.

The speaker is provided with an audio linear 100V transformer to connect constant voltage line, with power settings regulator 30W -15W-5W-2W-1W. It uses a thermal fuse to protect the line from overheat and a 3 ways ceramic terminal blocks for line-in line-out connections.

The Esarc fire alarm and evacuation speaker is protected by an ABS self-extinguishing V0 type, IP56, GWT960° cover box, with two gland for separate line in - out connections.

MAIN ADVANTAGES

- **SPEAKER INVISIBILITY:** the Figaro EN54-24 EVAC is invisible for the reason that can be installed in the hidden side of the surface. Above false ceiling, behind false walls.
- **UNIFORM SOUND DISTRIBUTION:** the audio signal is spread over the entire surface where Figaro™ is installed. The effect of this simple principle is a very smooth sound perception. In a room people will hear the same dB power regardless of their location with extremely good intelligibility.
- **5 POWER SETTINGS:** 30W-15W-5W-2W-1W, according to usage and performance required
- **DESIGNER BEST CHOICE:** completely satisfy interior design / architects needs, because once it's installed behind the false ceiling or the wall, nothing remains on sight. This innovative product placement reduce product's wasting and avoid accidental damages or vandalism acts.
- **MADE IN ITALY:** Design, produced and certified in Italy. That sounds good too!

APPLICATION

- School
- Commercial centre
- Hospital
- Museum
- Hotels
- Offices
- Shops

SPECIFICATIONS

Driver	Magnetostrictive
Input voltage	100 V
Power (selectable)	30W-15W-5W-2W-1W (100V)
Input impedance	330 Ω(30W) – 666 Ω(15W) – 2.000 Ω(5W) – 5.000 Ω(2W) – 10.000 Ω(1W) a 1000Hz
Frequency response (-10 dB)	120Hz – 16kHz with EQ set as chart
Sensitivity (±3 dB, 1 kHz)	dB (@1W/1m) 68
Sound pressure level	dB (max/1m) 75
Max. sound pressure level	dB (line in +12dB/max/1m) 87 100 V
Angle of coverage	170°
Connection	ceramic terminal strip
IP protection grade	IP 56
Cabinet material	ABS V0
Dimensions	50 x 50 x 14,2 cm (LxPxH)
Weight	5,8 Kg

EQ chart

Hz	30W	15W	5W	2W	1W
63	-12	-12	-12	-12	-12
125	-12	-12	-12	-12	-12
250	-8	-8	-8	-8	-8
500	-6	-6	-6	-6	-6
1K	0	0	0	0	0
2K	6	4	4	6	6
4K	-8	-4	-4	-8	-8
8K	12	12	12	12	12
16K	12	12	12	12	12

FIGARO EN 54-24 EVAC

CERTIFICATIONS AND APPROVALS

- EN 54-24:2008

POWER SELECTION

5 available settings 30W-15W-5W-2W-1W.

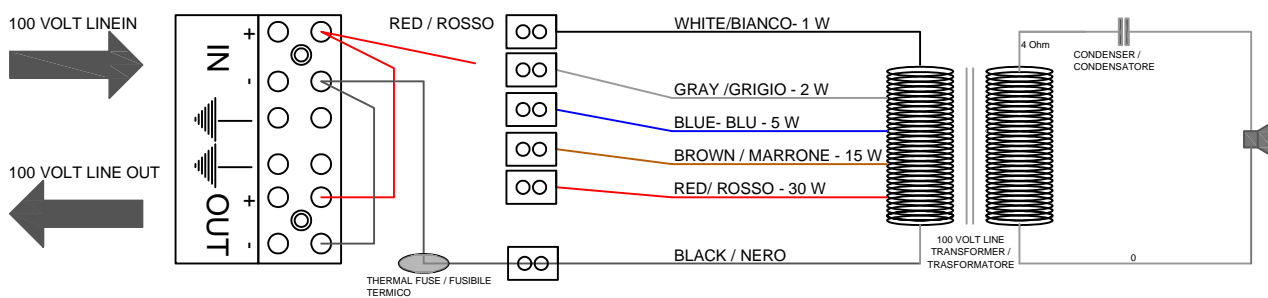
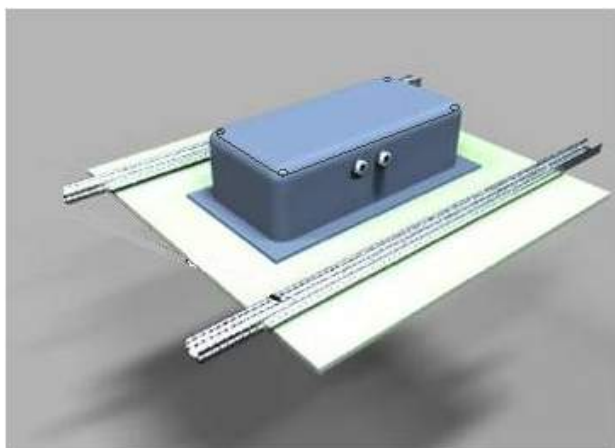
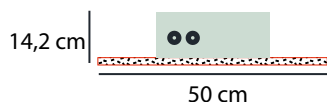
Just connect the right cable to the related power pin-connector according to usage and performance requested.

CERTIFICATIONS AND APPROVALS

FIGARO EN54-24 EVAC has a very simple installation process:

- 1) Just cut the plasterboard of the ceiling/wall caring about the dimension of the included panel (50x50cm)
- 2) Insert the speaker and make the right connections
- 3) plaster the plate and smooth along with the rest of the

DIMENSION AND INSTALLATION CHART



INSTALLATION NOTES

Figaro EN54-24 EVAC has been developed to be installed above false ceilings or behind walls.

Before starting the installation process, we recommended to verify you have enough space available for the product integration.

During the product positioning phase, check that the plasterboard sheet is flush with the wall/ceiling.

Before plaster or paint the surface test the connections and verify if the product works properly.



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