

# GM-3820-EN5424



## Features

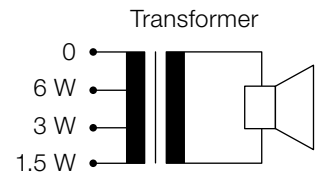
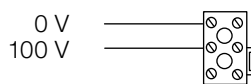
- Ceiling speaker 2-way compact system with a round firedome made of steel sheet
- 2-way coaxial speaker with bass reflex port
- Optiself with self adaptation levels:  
1.5 W, 3 W, 6 W at 100 V and 30 W at 8 Ω
- The 2-way compact system provides a very good music and voice reproduction

## Specifications


Loudspeaker system	2-way coaxial
Nominal noise power 100 V	1.5/3/6 W
Nominal impedance 100 V	6667/3333/1667 Ω
Sensitivity (1 W/1 m)	89.3 dB
Sensitivity (1 W/4 m)	73.1 dB
Maximum SPL (6 W/1 m)	97.1 dB
Maximum SPL (6 W/4 m)	80.9 dB
Frequency range (-10 dB)	93–20'000 Hz
Coverage angle (-6 dB)	H 180°/180°/180°/70° V 180°/180°/180°/70°
Dimensions (Ø/Depth)	240 mm/130 mm
Cutout	Ø 210 mm
Material	ABS 757 housing
Weight	2 kg
Color	White RAL 9003
Temperature range	-20°C to ~45°C
Protection	IP44
Measurement environment	Half-space free-field

## Electrical connection

blue = 0 V | brown= 100 V  
3 pole ceramic clamp



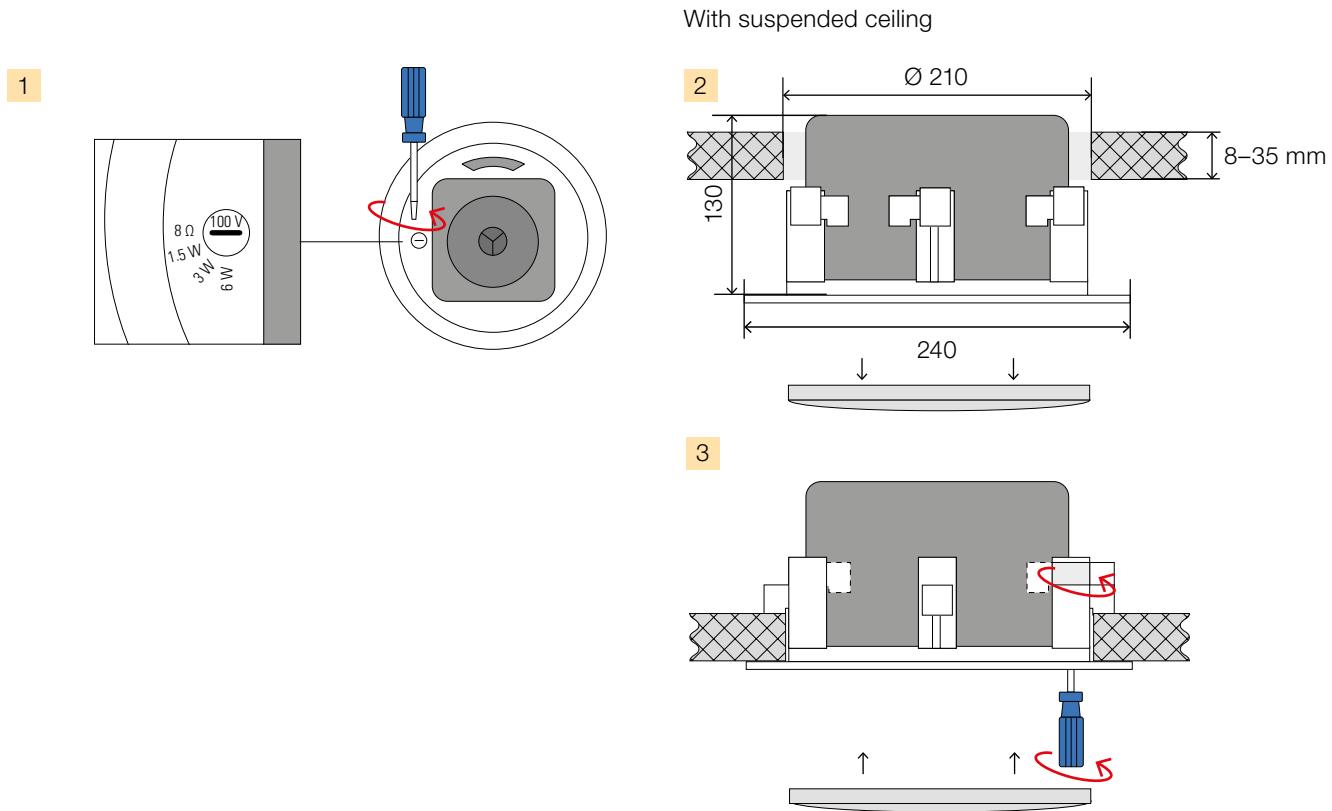
## Certificates

 1438
g+m elektronik ag Buererfeld 12, CH-9245 Oberbüren, Switzerland 14 1438-CPR-0387
EN 54-24:2008 Loudspeaker for voice alarm systems For fire detection and fire alarm systems for buildings Ceiling loudspeaker 6 W and accessories GM-3820-EN5424 Type A

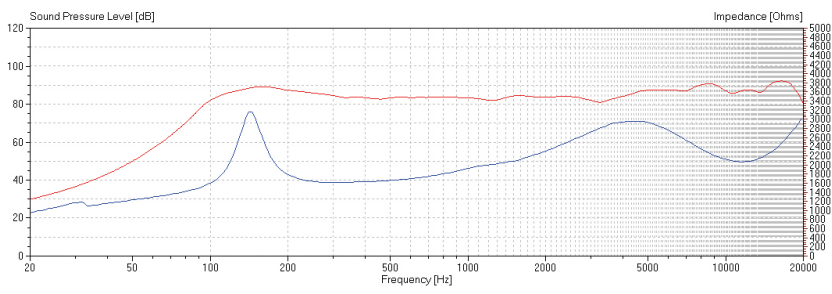
## Ordering information | Accessories

GM-3820-EN5424	Loudspeaker accordance to EN 54-24
Art. N° 546	Spring steel clip (PU 1 pc) 4 units for ceiling installation required if thickness < 8 mm
Colors	NCS or RAL available on request

**Dimensions and fitting (measuring in mm)**



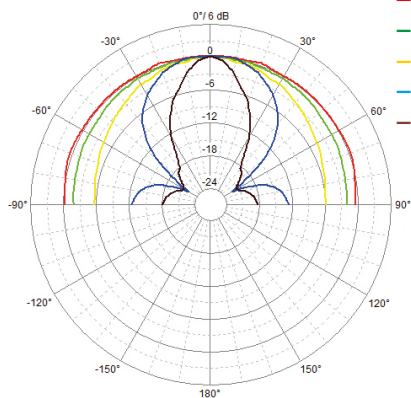
**Frequency response | Polar plot**



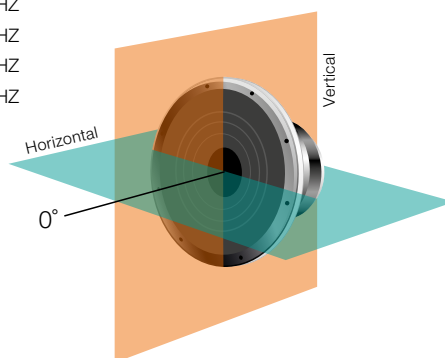
Sensitivity 100 Hz–10 KHz  
1/3 Oct. Pink noise total 1 W/4 m

100 Hz	50 dB	125 Hz	59 dB	160 Hz	61 dB
200 Hz	61 dB	250 Hz	60 dB	315 Hz	58 dB
400 Hz	58 dB	500 Hz	58 dB	630 Hz	58 dB
800 Hz	58 dB	1000 Hz	58 dB	1250 Hz	57 dB
1600 Hz	59 dB	2000 Hz	59 dB	2500 Hz	59 dB
3150 Hz	57 dB	4000 Hz	60 dB	5000 Hz	62 dB
6300 Hz	63 dB	8000 Hz	65 dB	10000 Hz	61 dB

Horizontal



- 500 Hz
- 1 kHz
- 2 kHz
- 4 kHz
- 8 kHz



Vertical

