



DLE 06-165/T-EN54

SPEAKER 6 WATTS

CEILING-MOUNTED SPEAKER WITH EN 54-24 SAFETY STANDARD

The speaker has a sturdy and robust design and is ideal for use in voice alarm systems due to its high safety standards.



- Robust industrial technology
- Sturdy design
- Metal housing and grille
- Metal dome
- Good speech intelligibility
- Speaker for indoor use
- Certified according to EN 54-24

MECHANICAL DATA

Housing	Metal
Diameter x height	220 mm x 109 mm (8.66" x 4.29")
Ceiling cutout	198 mm (7.80")
Cable entry	2 x 20 mm (0.79")
Connection	2-pole ceramic terminal (cable cross-section up to 4 mm ²)
Weight	1.36 kg (3.00 lbs)
Color	White (RAL 9016)
Mounting	Spring toggle latch

ELECTRICAL DATA

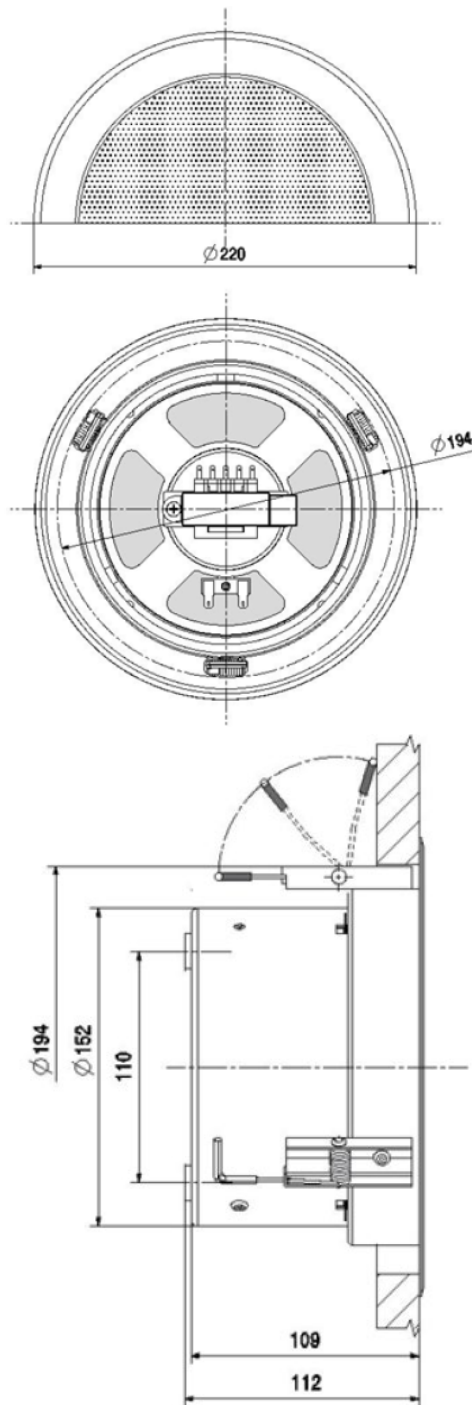
Rated power	6 W
Transformer tapings	100 V: 6 W / 3 W / 1.5 W
Sound pressure level 1 W, 1 m (3.28 ft)	95 dB (+/-3 dB)
Sound pressure level 6 W, 1 m (3.28 ft)	103 dB (+/-3 dB)
Effective frequency range	100 Hz to 12.5 kHz
Dispersion angle (-6 dB)	1 kHz: 175° (h/v) 4 kHz: 50° (h/v)



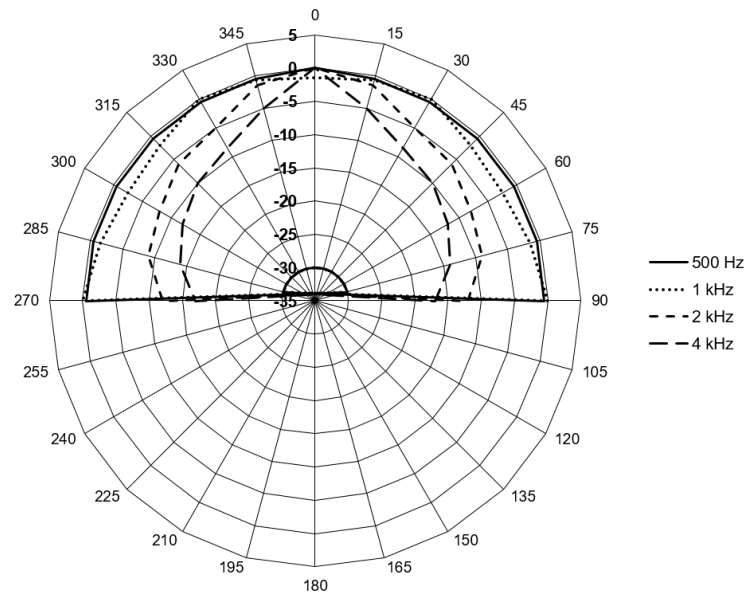
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Subject to technical modifications - Doc. no. DAT-001-206-095 • V01 • EN • 18.06.2024

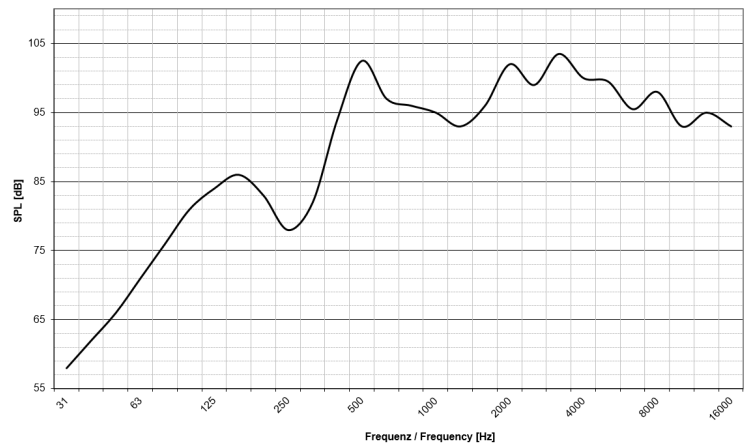
DIMENSIONS



POLAR DIAGRAM



FREQUENCY DIAGRAM



MEASUREMENT CONDITIONS

Sound pressure level (SPL)	1 W / 1 m (3.28 ft)
Pink noise	1/3 octave filter
Zero level in frequency range	55 dB
Range	55 dB

SOUND PRESSURE LEVEL RELATED TO DISTANCE

$P_{\max}$ 6 W	Level (dB) at	(-6 dB)	(-20 dB)	(-28 dB)	(-36 dB)
	1 m (3.28 ft)	2 m (6.56 ft)	10 m (32.81 ft)	25 m (82.02 ft)	65 m (213.25 ft)
	103	97	83	75	67

ENVIRONMENTAL REQUIREMENTS AND STANDARDS

Ambient temperature during operation	-10 °C to +55 °C (+14 °F to +131 °F)
Relative humidity (non-condensing)	Max. 95 %
Degree of protection (EN 54-24)	IP21C
Approval	EN 54-24: 2008 BS 5839, part 8

ORDER DATA

Type number	001-206-095
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