

Voice alarm loudspeaker for fire detection and fire alarm system for building

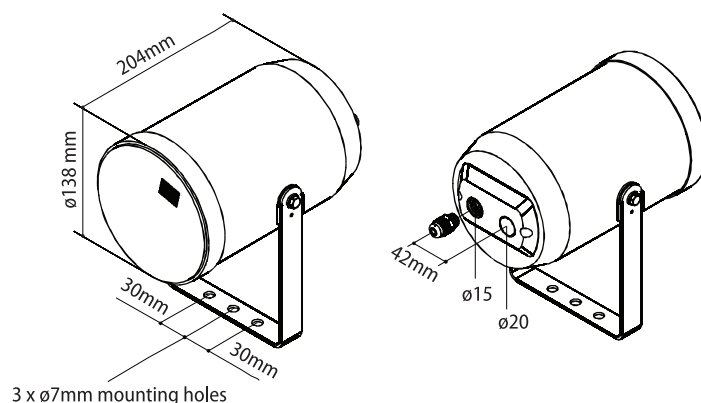
AMC 2013 - 001 Revision 2013-03-04

Horizontal & Vertical dispersion

		Horizontal	Vertical
1 Oct. Pink noise	500Hz	360°	360°
1 Oct. Pink noise	1kHz	206°	219°
1 Oct. Pink noise	2kHz	111°	115°
1 Oct. Pink noise	4kHz	60°	60°

 EN54-24:2008
 0359-CPD-0214
 TYPE B
Electrical

Rated power	10W
Tappings 100 volt line	10W/5W/2.5W/1.25W
Transformer impedance	1kΩ/2kΩ/4kΩ/8kΩ
Tappings 70 volt line	5W/2.5W/1.25W/0.625W
Driver Impedance	8Ω
Effective Frequency range (BSEN60268-5)	110Hz-18kHz
S.P.L.@4m, 1watt, 1/3 Octave, 1kHz	63dB
S.P.L.@1m, 1watt, Octave, 1kHz	90dB
S.P.L.@4m, Full power, 1/3 Octave, 1kHz	74dB
S.P.L.@1m, Full power, Octave, 1kHz	100dB

**Environmental**

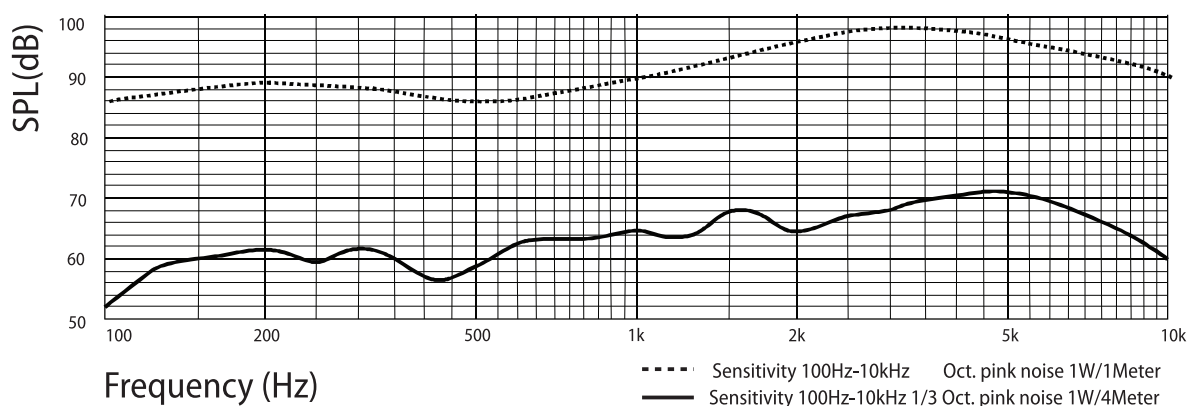
IP-rating	33
Max/Min ambient temperature	70 °C/-25 °C
Relative humidity	<95%

Mechanical

Dimensions	138mm x 204mm
Weight	1.3 Kg
Colour	RAL 9016
Material	Low smoke zero Halogen UL-94V0 Plastic with UV inhibitors Aluminium mesh
Mounting	Stainless steel U bracket

With transformer:**100V/70V line**

	White wire plus tapping				Black
100V	1.25W	2.5W	5W	10W	COM
70V	0.625W	1.25W	2.5W	5W	COM
IMPEDANCE	8kΩ	4kΩ	2kΩ	1kΩ	

Frequency response

*Active Equalizer Applied: YES

(EQ Setting: +3.5dB@630Hz, +3.5dB@800Hz, -3.5dB@1250Hz, -3.5dB@1600Hz, -2.5dB@4KHz)

SP 10EN has been tested in 100 hours max power (10W). The model does not deviate more than 3dB from the original test value. The freq. response curve and impedance complies with the original one. All SPL tests are performed in a anechoic chamber (<70m³).