



## LSC-506

5" Ceiling mount loudspeaker  
with fire dome

**CE**  
0359  
12  
0359-CPR-00138

Thank you for purchasing Honeywell LSC-506. Widely used in commercial buildings and public facilities, Honeywell product is manufactured in strict accordance with ISO 9001 standards. Please read this manual before installation and follow all instructions.

### Safety Notice

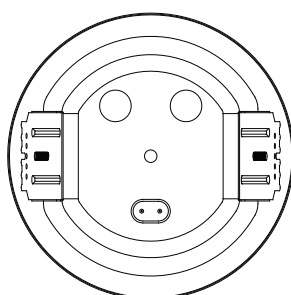
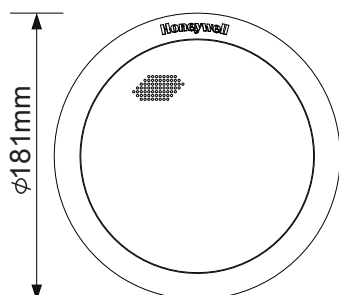
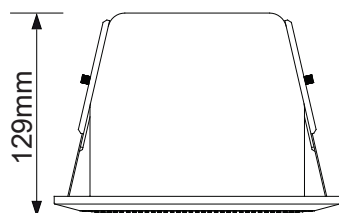
- After installing the speaker it is crucial to check carefully to ensure that the unit is working properly
- Proper functioning cannot be guaranteed if the speakers are not installed correctly in accordance with the instruction.
- Please observe the relevant national regulations and guideline.

#### Technical specifications

Model	LSC-506			
Speaker	5"			
Rated power	6 W			
Impedance (Ω)	1.7K	3.3K	6.7K	13K
Power taps @ 70V	3 W	1.5 W	0.75 W	0.375 W
Power taps @ 100V	6 W	3 W	1.5 W	0.75 W
SPL (1W/1m, 100Hz-10kHz)	91 dB			
SPL (1W/4m, 100Hz-10kHz)	79 dB			
SPL (6W/4m, 100Hz-10kHz)	88 dB			
Frequency response (-10dB)	180 Hz-20K Hz			
Dimensions	Ø181 mm x 129 mm			
Weight	1.29 Kg			
Material	Steel			
Front grille color	RAL9003			
Dome color	RAL3000			
Installation opening size	Ø155 mm			
Fire dome mounting method	Sliding plate with wing nut			
Loudspeaker mounting method	Spring clip grill			
Ceramic terminal	Yes ( in fire dome )			
Thermal fuse	150 °C			

- \* The reference axis is perpendicular to the centre point of the front grill
- \* The reference plane is perpendicular to the centre of the reference axis
- \* The horizontal plane is perpendicular to the centre of the reference plane
- \* The spec/data was measured using a standard baffle mounting in an anechoic chamber as described in EN54-24

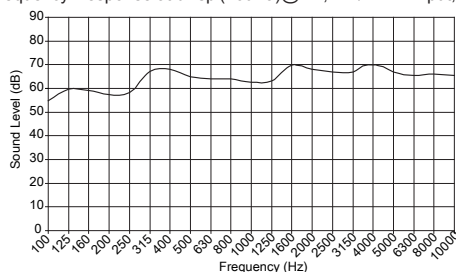
#### Front and back views



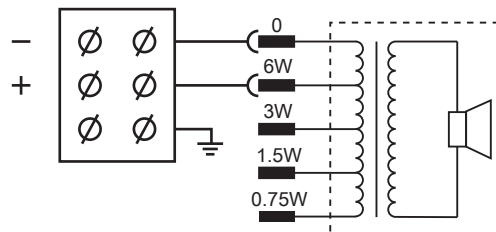
Unit: mm

- \* DoP No.: CPR-DoP-2013002
- \* For more information, please refer to our website [www.honeywellav.com](http://www.honeywellav.com)

Frequency Response at dBspl(20uPa)@4m, 1W/41.2V input, 1/3 oct smoothing)



Frequency response



Circuit diagram

With transformer:  
100V/70V line

	Red wire plus tapping				Black
100V	0.75W	1.5W	3W	6W	Com
70V	0.375W	0.75W	1.5W	3W	Com
IMP(Ω)	13K	6.7K	3.3K	1.7K	

		Horizontal	Vertical
1 oct.pink noise	500 Hz	187°	174°
1 oct.pink noise	1K Hz	173°	174°
1 oct.pink noise	2K Hz	151°	152°
1 oct.pink noise	4K Hz	59°	58°

#### Installation

1. Cut out Ø 155 mm hole for LSC-506
2. Loosen the screw, push the fire dome into the ceiling
3. Tighten the screw
4. Attach the spring to the spring mount
5. Push the speaker into the fire dome

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Data subject to change without notice  
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