



# EN SPEAKERS FOR VOICE ALARM SYSTEMS



**A/B Wiring Speaker for Office Buildings  
and for Public Environments**



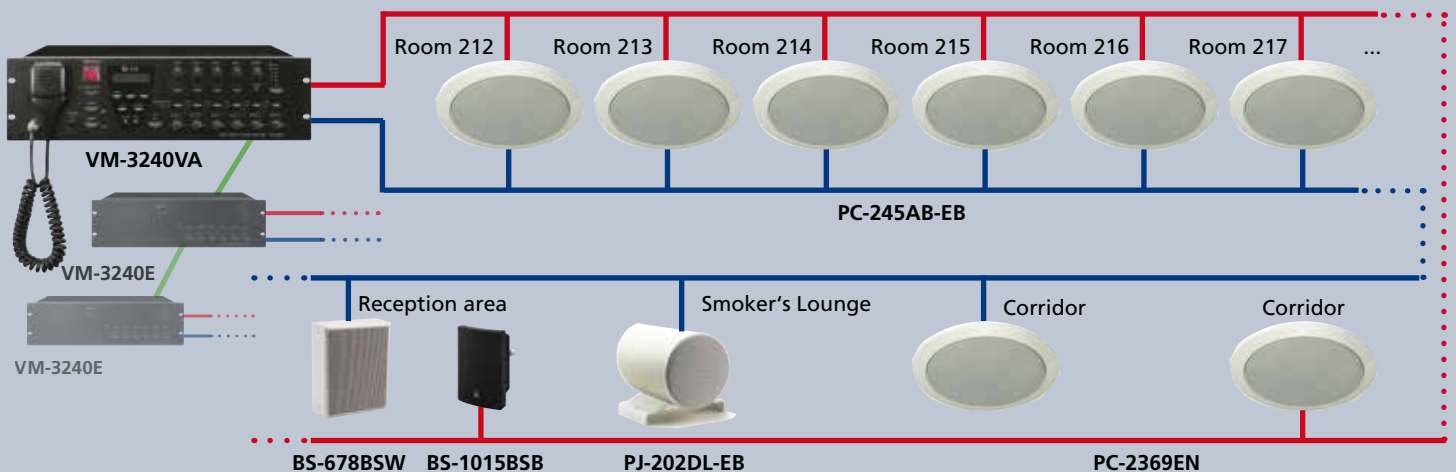


## TOA's sound solutions fit huge demands in any kind of application

A Voice Alarm System has to guide endangered people through an emergency situation. Even in case of a line break the intelligibility of an emergency message must reach the specified value to save their lives. Therefore a second speaker, connected to an independent line, is stipulated as safeguard against failure. Often aesthetical demands conflict with the security

demands: the other speaker shall be installed invisibly. In addition in smaller rooms, as often seen in hotels, office towers or schools, the required speech intelligibility can be achieved by means of one speaker. TOA's A/B Alarm Speaker meet exactly these requirements. With its extensive range of EN 54-24 certified models TOA can meet any demand.

### Application Example



# Voice Alarm Speaker matching with your application

## PJ-202DL-EB

### Bidirectional Sound Projector Speaker

- For indoor and outdoor applications
- 2 x 5" cone speaker + HC
- Ceramic Screw Terminal
- Rugged bracket included
- Aluminium alloy cabinet and grille
- Water proof according IP 66
- Extreme wide temperature range: -25°C to +70°C
- EN 54-24 certified + BS 5839 Part 8



## BS-250AB-EB

### Wall mount speaker

- For indoor applications
- 2 separate 100 V transformer and 2 speaker
- Wide temperature range of -10°C to +55°C
- Fire resistant according to UL 94-V0
- A/B wiring
- EN 54-24 certified + BS 5839 Part 8
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## PC-245AB-EB

### Flush mount ceiling speaker with Firedome

- Firedome prevents passing the flames into the ceiling
- 2 separate 100 V transformer and 2 speaker
- Easy installation
- A/B wiring
- EN 54-24 certified + BS 5839 Part 8



## PC-275AB-EB

### Surface mount ceiling speaker

- Only 86 mm depth
- 2 separate 100 V transformer and 2 speaker
- 2 separate ceramic terminal blocks
- Quick-mount through U- shaped bracket assembly with spring
- A/B wiring
- EN 54-24 certified + BS 5839 Part 8

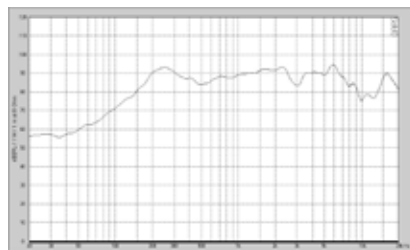
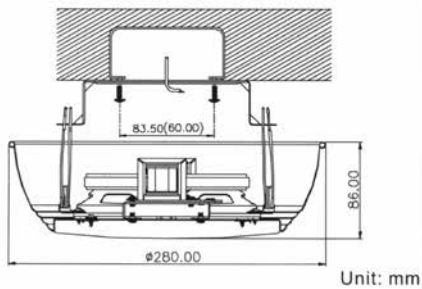


# SPECIFICATIONS

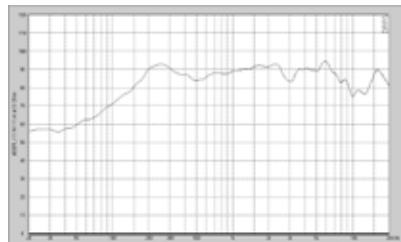
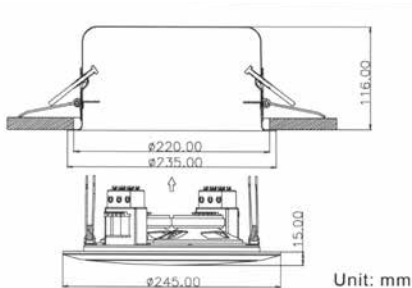
Model	PC-275AB-EB	PC-245AB-EB	BS-250AB-EB	PJ-202DL-EB
Type	Surface mount ceiling speaker	Ceiling speaker with firedome	Wall speaker	Bidirectional projection speaker
Speaker Component	6" full range, dual cone (A/B 2-lines)	3x5" full range dual cone (A/B 2-lines)	4" full range dual cone (A/B 2-lines)	5" P.P. cone + HC x 2
Rated Input	6 W (6 W-3 W-1.5 W)	6 W (6 W-3 W-1.5 W)	6 W (6 W-3 W-1.5 W)	20 W (20 W-10 W-5 W)
Impedance	6667-3333-1667 Ohm (100 V)	6667-3333-1667 Ohm (100 V)	6667-3333-1667 Ohm (100 V)	500 - 1000- 2000 Ohm (100 V)
Sound Pressure Level (1m/1W)	88 dB (at 1 W/1 m)	88 dB (at 1 W/1 m)	89 dB (at 1 W/1 m)	89 dB (at 1 W/1 m)
Frequency Response (-10dB)	130 - 20,000 Hz	150 - 20,000 Hz	150 - 20,000 Hz	120 - 20,000 Hz
Input Terminal	Plug, Ceramic Terminal Block	Plug, Ceramic Terminal Block	Plug, Ceramic Terminal Block	4-P Ceramic Terminal Block
Finish	Steel, White	ABS, White	Enclosure ABS (UL 94 V0), grille: steel	Aluminium Alloy, white
Dimensions	274.4 (Dia) x 86.5 (H) mm	245 (Dia) x 131 (D) mm	250 (H) x 200 (W) x 85(D) mm	146 (Dia) x 186 (D) mm
Weight	1.49 kg	2.05 kg	1.75 kg	3.3 kg

## Dimensional Drawings / Frequency Response

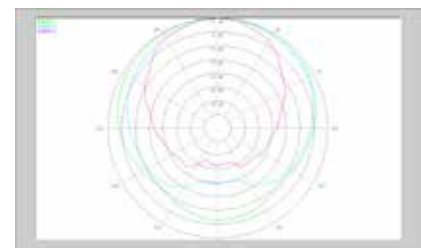
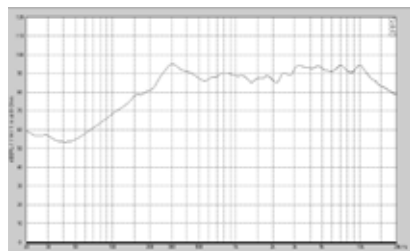
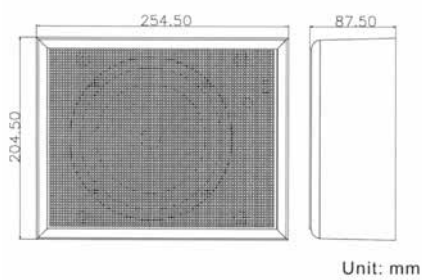
PC-275AB-EB



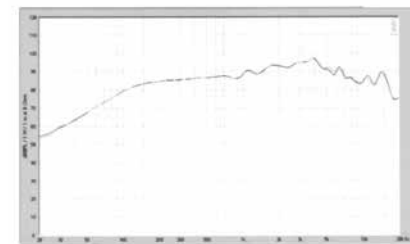
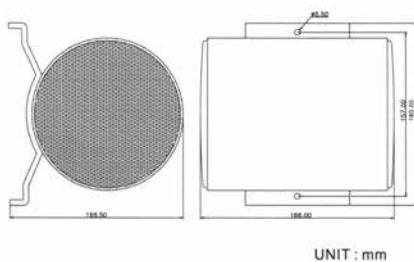
PC-245A-EB



BS-250AB-EB



PJ-202DL-EB



Human Society with  
Sound & Communication



TOA Electronics Europe GmbH  
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Mitglied der  
Leistungsgemeinschaft  
Beschallungstechnik  
im ZVEI-Fachverband  
Sicherheitssysteme

ZVEI: