

**Fact; It is well known that people will respond to a clear audio message rather than any other type of signal. TOA loudspeakers delivers the best in audio quality and the satisfaction in the knowledge that all products have been tested to EN 54-24 certification for your peace of mind.**

**In the event of an emergency endangered people can only react quickly if the information is clear and intelligible. The voice alarm system plays an integral part of the fire protection in not only protecting buildings, but saving lives. Only EN 54- certified components can offer the insurance that all measures have been taken to insure that the products have been tested to the highest quality that as now become a legal requirement .**

**TOA offers the one-stop solution for voice alarm systems. With a total of 3 certified voice alarm systems and a choice of speakers for indoor and external applications.**

## Speakers for demanding applications

Projection speakers that can offer excellent audio quality with high sound pressure levels. Perfect for music and speech, both indoors and outdoors, offering the best optimised performance and intelligibility for even the most demanding type of applications.



**CS-154BS / CS-64BS**

Exponential horn for improved directivity and high sound pressure levels. Complete with mounting bracket for perfect alignment. Ideal for out door applications that requires good speech and and BGM.



**SC-615BS**

Reflex Horn Speaker with wide frequency response for outdoor use that requires very high sound pressure level. Complete with mounting bracket.



### Specifications

Model	BS-678BSB BS-678BSW	BS-680FC	BS-1015BSB BS-1015BSW	BS-1034EN
Speaker	16 cm cone speaker	16 cm double cone speaker	2-way bass reflex speaker	2-way speaker
Rated Input	100 V: 6 W, 70 V: 3 W	100 V: 6 W, 70 V: 3 W	100 V: 15 W, 70 V: 7,5 W	100 V: 10 W, 70 V: 10 W
Tappings	100V: 6 W, 3 W, 1,5 W, 0,8 W 70V: 3 W, 1,5 W, 0,8 W, 0,4 W	100V: 6 W, 3 W, 1,5 W, 0,8 W 70 V: 3 W, 1,5 W, 0,8 W, 0,4 W	100V: 15 W, 10 W, 5 W 70V: 7,5 W, 5 W, 2,5 W	100 V: 10 W, 5 W, 3 W, 1 W 70 V: 10 W, 5 W, 2,5 W, 1,5 W, 0,5 W
SPL	94 dB (1 W / 1 m, 500 Hz - 5 kHz)	94 dB (1 W / 1 m, 500 Hz - 5 kHz)	90 dB (1 W / 1 m, 500 Hz - 5 kHz)	89 dB (1 W / 1 m, 500 Hz - 5 kHz)
Frequency Response	150 - 18 000 Hz	150 - 20 000 Hz	80 - 20 000 Hz	120 - 20 000 Hz
Input Terminal	Ceramic screw terminals, thermal fuse	Ceramic screw terminals, thermal fuse	Ceramic screw terminals, thermal fuse	Ceramic screw terminals, thermal fuse*
Finish	Cabinet: wood, frame: HIPS resin, grille: steel, BS-678BSW white (RAL 9010) / BS-678BSB black (RAL 9011),	Enclosure, frame, grille: steel, white	ABS resin; grille + bracket : steel BS-1015BSB: black (RAL 9011) BS-1015BSW: weiss (RAL 9010)	Enclosure: HIPS resin, Grille: steel, white
Dimensions, Weight	250 x 190 x 110 mm, 1,7 kg	310 x 190 x 87,2 mm, 3 kg	196 x 290 x 186 mm, 2,4 kg	210 x 330 x 80 mm, 1,4 kg
Certificates	EN 54-24: 0359-CPD-0103, Type A ISO 7240-24, according BS 5839-8	EN 54-24: 1438/CPD/0178, Type A according BS 5839-8	EN 54-24: 0359-CPD-0104, Type A ISO 7240-24, according BS 5839-8	EN 54-24: under test, Type A ISO 7240-24

Model	PC-1869EN	PC-2369EN	PC-1867FC
Speaker	12 cm cone speaker	16 cm cone speaker	12 cm cone speaker
Rated Input	100 V: 6 W, 70 V: 3 W		
Tappings	100 V: 6 W, 3 W, 1,5 W, 0,8 W, 70 V: 3 W, 1,5 W, 0,8 W, 0,4 W		
SPL	94 dB (1 W / 1 m, 500 Hz - 5 kHz)	94 dB (1 W / 1 m, 500 Hz - 5 kHz)	91 dB (1 W / 1 m, 500 Hz - 5 kHz)
Frequency Response	100 - 18 000 Hz	70 - 18 000 Hz	160 - 13 000 Hz
Input Terminal	Ceramic screw terminals, thermal fuse		Ceramic screw terminals, thermal fuse, fire dome
Finish	Steel, white paint (RAL 9010 equivalent)		Aluminum, white paint (RAL 9010 equivalent)
Dimensions (øxD), Weight	ø 180 x 77,5 mm; 820 g	ø 230 x 113,8 mm, 1,1 kg	ø 180 x 110+11 mm, 1,4 kg
Certificates	EN 54-24: under test, Type A ISO 7240-24	EN 54-24: 0359-CPD-0101, Type A ISO 7240-24	EN 54-24: 1438/ CPD/ 0183, Type A according BS 5839-8

Model	CS-64BS	CS-154BS	SC-615BS
Speaker	12 cm cone speaker	12 cm cone speaker	Outdoor horn speaker
Rated Input	100 V: 6 W, 70 V: 6 W	100 V: 15 W, 70 V: 15 W	100 V: 15 W, 70 V: 15 W
Tappings	100V: 6 W, 3 W, 1 W 70 V: 6 W, 3 W, 1,5 W, 0,5 W	100V: 15 W, 10 W, 5 W 70 V: 15 W, 7,5 W, 5 W, 2,5 W	100V: 15 W, 10 W, 5 W, 3 W 70V: 15 W, 7,5 W, 5 W, 2,5 W, 1,5 W
SPL	96 dB (1 W / 1 m, 300 Hz - 3,3 kHz)	97 dB (1 W / 1 m, 300 Hz - 3,3 kHz)	109 dB (1 W / 1 m, 500 Hz - 2,5 kHz)
Frequency Response	130 - 13 000 Hz	150 - 15 000 Hz	315 - 12 500 Hz
Input Terminal	Ceramic screw terminals, thermal fuse	Ceramic screw terminals, thermal fuse	Ceramic screw terminals, thermal fuse
Finish	Enclosure: ABS resin, white, grille: steel, bracket and screws: stainless steel	Enclosure: ABS resin, white, grille: aluminum, bracket and screws: stainless steel	Horn: Aluminum, white coatet, driver enclosure ABS resin, bracket: stainless steel
Dimensions, Weight	233 x 224 x 249 mm, 1,7 kg	366 x 230 x 310 mm, 3,0 kg	172 x 200 x 229 mm, 1,5 kg
Certificates	EN 54-24: 0359-CPD-0107, Type B ISO 7240-24, according BS 5839-8	EN 54-24: 0359-CPD-0108, Type B ISO 7240-24, according BS 5839-8	EN 54-24: 0359-CPD-0109, Type B ISO 7240-24, according BS 5839-8

Model	PE-154BS	PE-154EN	PJ-154BS
Speaker	2-way speaker	2-way speaker	2-way speaker
Rated Input	100 V: 15 W, 70 V: 7,5 W	100 V: 15 W, 70 V: 7,5 W	100 V: 15 W, 70 V: 7,5 W
Tappings	100V: 15 W, 10 W, 5 W 70V: 7,5 W, 5 W, 2,5 W	100V: 15 W, 10 W, 5 W 70V: 7,5 W, 5 W, 2,5 W	100V: 15 W, 10 W, 5 W 70V: 7,5 W, 5 W, 2,5 W
SPL	91 dB (1 W / 1 m, 500 Hz - 5 kHz)	91 dB (1 W / 1 m, 500 Hz - 5 kHz)	91 dB (1 W / 1 m, 500 Hz - 5 kHz)
Frequency Response	70 - 20 000 Hz	70 - 20 000 Hz	70 - 20 000 Hz
Input Terminal	Ceramic screw terminals, thermal fuse, 3 m fire resistant cord, 5-core	Ceramic screw terminals*, thermal fuse* 5 m cord, 2-core	Ceramic screw terminals, thermal fuse fire resistant cord, 5-core, input terminal box
Finish Enclosure	Enclosure: HIPS resin, grille: steel, white paint (RAL 9010)		
Dimensions, Gewicht	ca. ø 186 x 251 mm, 2,1 kg	ca. ø 186 x 251 mm, 2,1 kg	ca. ø 186 x 369 mm, 2,1 kg
Certificates	EN 54-24 under test, Type A ISO 7240-24, according BS 5839-8	EN 54-24 under test, Type A ISO 7240-24	EN 54-24: 0359-CPD-0106, Type A ISO 7240-24, according BS 5839-8

\* accessory



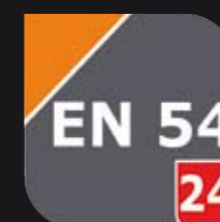
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Sound & Communication



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Note: Technical data are preliminary  
and may change without prior notice.  
Errors and omissions excepted.



**EN 54-24 and ISO 7240-24 certified speakers for installation in demanding environments with high security level**



# VOICE ALARM SPEAKER

Preliminary



## A completely novel design that is a true combination of safety and design.

These certified speakers for public address applications combine excellent performance with superior design.

Pendant and projection speakers are inspired by the finest lighting fixtures, for perfect harmony with architecture and decor.

The high sound pressure level ensures excellent sound reproduction and is perfect for high-ceilings and wall-mount applications.



**PJ-154BS Projection Speaker**  
Aesthetically designed that combines a wide frequency response that is perfect for speech and BGM. Complete with mounting bracket that will allow for perfect alignment every time.



**PE-154EN / PE-154BS Pendant Speaker**  
Designed for high ceilings such as shopping malls etc. that needs the speaker to be closer to your audience. Complete with 5 m / 3 m cord



## Uncomplicated and easy-to-use fittings that cuts installation time by 50% compared to conventional models.

Easy installation and safety is always at the forefront at TOA no matter the diameter size.

You can be rest assured that the TOA line-up of ceiling flush-mount speakers diameters and functions will suit every situation with the flexibility and ease of installation. Finely crafted to a high standard and designed with a thin front panel that sits flush to the ceiling that does not detract from venues architecture or interior decor.



PC-1867FC

### Ceiling Speakers

with or without fire dome for corridors, staircases, in schools, hotels, shops, restaurants, almost anywhere where there is a false ceiling.



PC-2369EN



PC-1869EN



## Choice of horizontal or vertical installation for a more exact match with the venue.

These innovative wall mounted speakers are designed with a wide variety of environments and features excellent sound performance. Irrespective of the well known TOA high quality, mounting and maintenance are fast and simple. Developed according to the rules for harmonious design, they are the perfect match in any kind of architecture.



**BS-1034EN Design Speaker**

Unparalleled ease and simplicity of installation, with simultaneous wiring and unique mounting capability.

**BS-1015BSB / BS-1015BSW 2-Way Design Speaker**

Aesthetically design speaker available in black or white for wall mounting and offers optimised performance to deliver speech clarity and excellent music reproduction.

### BS-680FC Wall Speaker

Strong, all-metal body construction makes this an ideal speaker for emergency broadcasting applications.



### BS-678BSB / BS-678BSW Wall Speaker

Suitable for a wide range of applications with an excellent cost-performance ratio. Quick and easy installation.

