TOA

WALL MOUNT SPEAKER

BS-1034EN

The BS-1034EN is certified according to the European Standard EN 54-24: 2008 and the International Standard ISO 7240-24: 2010. Certification number is 0359-CPD-0102.
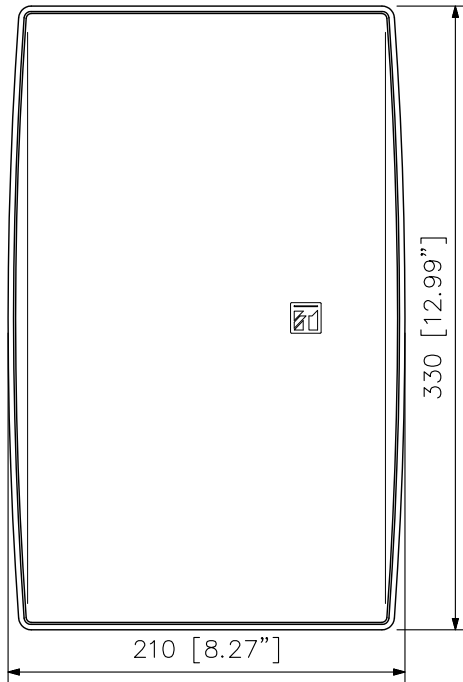
■DESCRIPTION

The BS-1034EN is the voice alarm certification product.
2 way speaker system is suitable for announcement and music use in wide frequency range.
Speaker design that harmonize with the venue's architecture and decor.
The speaker enclosure's design proportions are based on the Golden Ratio.
The BS-1034EN is wall-mount speaker matched with a supplied plug-in speaker receptacle, for easy installation.
An M4 screw terminal input connector allows easy connections.
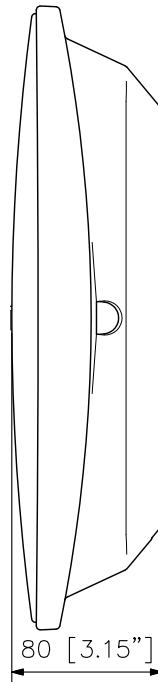
■SPECIFICATIONS

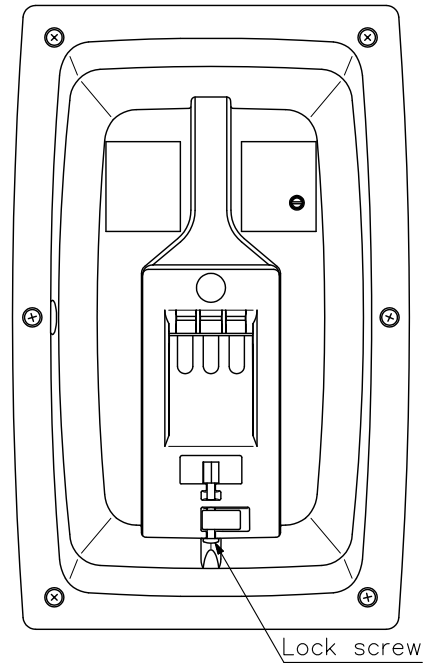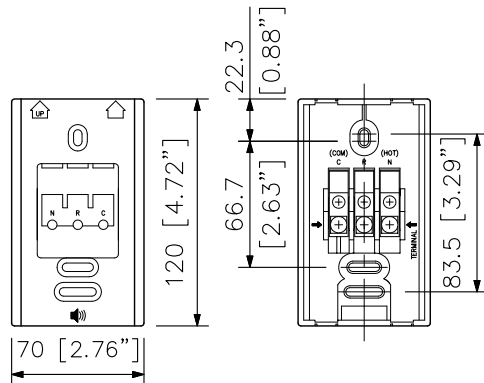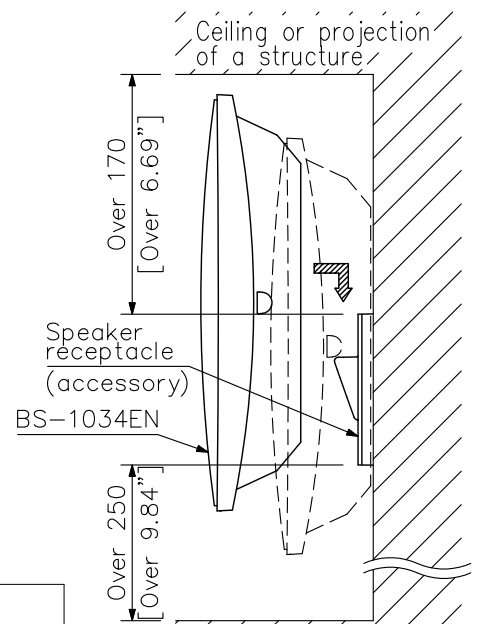|	
Rated Noise Power	10 W (100 V line and 70 V line)
Rated Impedance	100 V line: 1 kΩ (10 W), 2 kΩ (5 W), 3.3 kΩ (3 W), 10 kΩ (1 W) 70 V line: 500 Ω (10 W), 1 kΩ (5 W), 2 kΩ (2.5 W), 3.3 kΩ (1.5 W), 10 kΩ (0.5 W)
Sensitivity	89 dB (1 W, 1 m) (500 Hz – 5 kHz, pink noise) 86 dB (1 W, 1 m) (100 Hz – 10 kHz, pink noise) 74 dB (1 W, 4 m) (100 Hz – 10 kHz, pink noise)
Maximum Sound Pressure Level	94 dB (10 W, 1 m) (100 Hz – 10 kHz, pink noise) 82 dB (10 W, 4 m) (100 Hz – 10 kHz, pink noise)
Frequency Response	120 Hz – 20 kHz
Coverage Angle	Horizontal: 360° (500 Hz), 150° (1 kHz), 115° (2 kHz), 100° (4 kHz) Vertical: 300° (500 Hz), 130° (1 kHz), 160° (2 kHz), 80° (4 kHz)
Environmental Type	A (indoor applications)
Speaker Component	Low frequency: 12 cm (5") cone-type High frequency: 2.5 cm (1") balanced dome tweeter
Operating Temperature	−10 ℃ to +50 ℃ (14 ℉ to 122 ℉)
Speaker Mounting Method	Wall-mount
Applicable Cable Size	Outer diameter: Max. ⌀9 mm (for exposed wiring), ⌀6.5 – 12.5 mm(for in-wall wiring) Conductor: Solid wire or 7-core wire 0.8 – 2 mm² (AWG18-AWG14) for solid wire, 0.8 – 1.5 mm² (AWG18-AWG15) for 7-core wire
Cable Connection	Screw terminal, can be bridge-connected
Finish	Enclosure: HIPS resin (fire resistant grade UL94 V-0), off-white (RAL 9010 or equivalent color) Grille: surface treated steel plate, off-white (RAL 9010 or equivalent color), paint
Dimensions	210 (W) X 330 (H) X 80 (D) mm (8.27" X 12.99" X 3.15")
Weight	1.4 kg (3.09 lb)
Accessory	Speaker receptacle⋯1, Wall mounting screw (tapping screw 4 x 35)⋯2, Terminal block (with thermal fuse)⋯1

TOA Corporation

■APPEARANCE

330 [12.99"]

210 [8.27"]

Front View

80 [3.15"]

Side View

Lock screw

Rear View

22.3 [0.88"]

66.7 [2.63"]

120 [4.72"]

83.5 [3.29"]

(COM) C   (HOT) N

TERMINAL

70 [2.76"]

Enlarged view of
speaker receptacle

Ceiling or projection
of a structure

Over 170 [Over 6.69"]

Speaker
receptacle
(accessory)

BS-1034EN

Over 250 [Over 9.84"]

Note: As a force of approx.
18 kg (39.68 lb) is applied to
the speaker receptacle at the
time of speaker installation,
attach it in a location durable
enough to withstand the force.

Installation view (scale: 1/6)

Thermal fuse (84 °C [183.2 °F])

Speaker
receptacle

Rotary
switch

Speaker

Matching
transformer

Network
circuit

(HOT) N

R

(COM) C

HOT

COM

When using the
supplied terminal block

500 Ω
1 kΩ
2 kΩ
3.3 kΩ
10 kΩ
OFF   COM

8 Ω

0
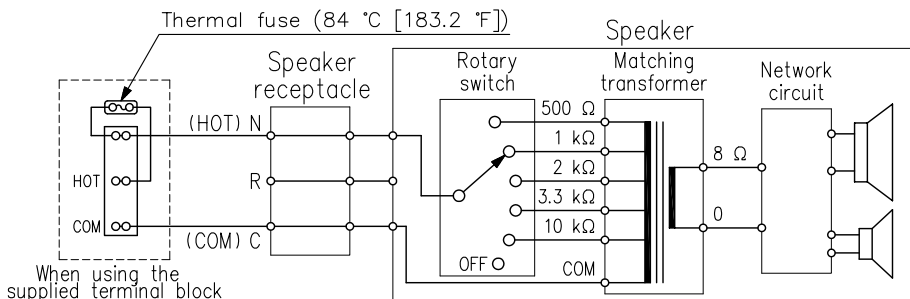
(Factory-preset wiring)

Note: Never connect to the 500 Ω in a 100 V line system.

Wiring Diagram

UNIT:mm   SCALE:1/4