TOA

PENDANT SPEAKER

PE-154EN

The PE-154EN is certified according to the European Standard EN 54-24: 2008 and the International Standard ISO 7240-24: 2010. Certification number is 0359-CPD-0105.
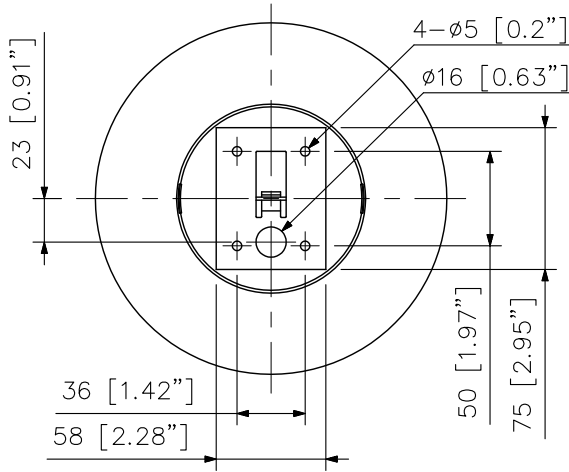
■DESCRIPTION

The PE-154EN is the voice alarm certification product.
2 way speaker system is suitable for announcement and music use in wide frequency range.
Stylish and outstanding design inspired by the finest lighting fixtures.
A directly attached sturdy suspension cable is extendable up to 5 meters.
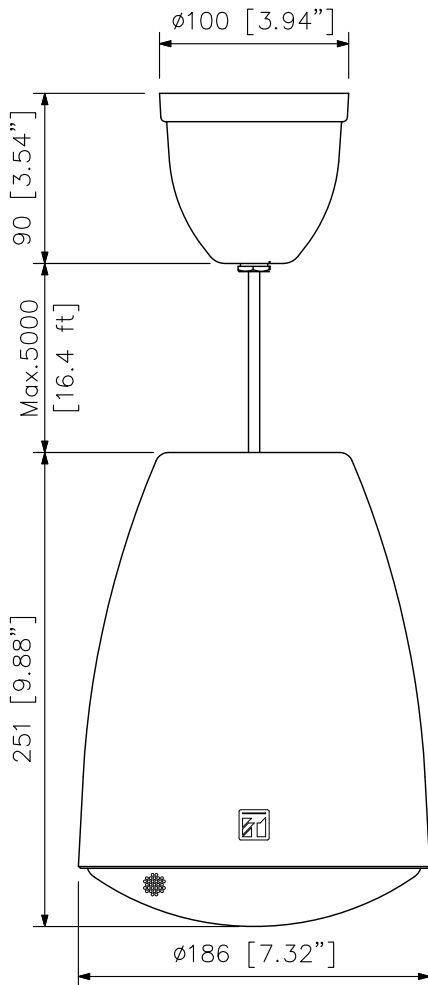
■SPECIFICATIONS

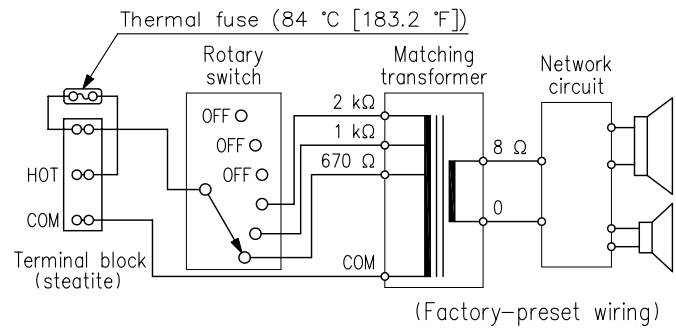|	
Rated Noise Power	15 W (100 V line), 7.5 W (70 V line)
Rated Impedance	100 V line: 670 Ω (15 W), 1 kΩ (10 W), 2 kΩ (5 W) 70 V line: 670 Ω (7.5 W), 1 kΩ (5 W), 2 kΩ (2.5 W)
Sensitivity	91 dB (1 W, 1 m) (500 Hz − 5 kHz, pink noise) 87 dB (1 W, 1 m) (100 Hz − 10 kHz, pink noise) 75 dB (1 W, 4 m) (100 Hz − 10 kHz, pink noise)
Maximum Sound Pressure Level	99 dB (15 W, 1 m) (100 Hz − 10 kHz, pink noise) 87 dB (15 W, 4 m) (100 Hz − 10 kHz, pink noise)
Frequency Response	70 Hz − 20 kHz
Coverage Angle	Horizontal and Vertical: 360° (500 Hz), 170° (1 kHz), 90° (2 kHz), 70° (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	Ceiling suspension
Speaker Cable	2-core cable 5 m (16.40 ft)
Applicable Cable Size	Outer diameter: ⌀6.5−12.5 mm Conductor: Solid wire or 7-core wire No bridge connection: 0.8 − 10 mm² (AWG18−AWG7) for solid wire, 　　　　　　　　　　0.8 − 8 mm² (AWG18−AWG8) for 7-core wire Bridge connection: 0.8 − 2.5 mm² (AWG18−AWG13) for solid wire, 　　　　　　　　　0.8 − 1.5 mm² (AWG18−AWG15) for 7-core wire
Cable Connection	Screw terminal (steatite), can be bridge-connected
Finish	Enclosure: HIPS resin, off-white (RAL 9010 or equivalent color) Grille: Surface-treated steel plate net, off-white(RAL 9010 or equivalent color), paint
Dimensions	⌀186 X 251 (H) mm (⌀7.32" X 9.88") (speaker only)
Weight	2.1 kg (4.63 lb) (speaker only)
Accessory	Ceiling bracket…1, Mounting hanger…1, Ceiling cover…1, Ceiling bracket mounting screw (tapping screw 4 x 16)…4

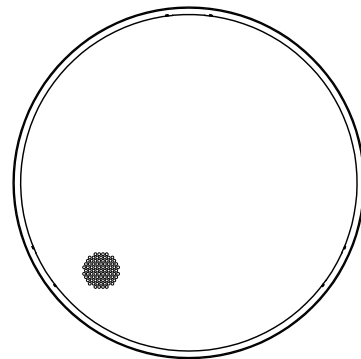**TOA Corporation**

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PE-154EN

■APPEARANCE

4−ø5 [0.2"]

ø16 [0.63"]

23 [0.91"]

50 [1.97"]

75 [2.95"]

36 [1.42"]

58 [2.28"]

Top View

ø100 [3.94"]

90 [3.54"]

Max.5000 [16.4 ft]

251 [9.88"]

ø186 [7.32"]

Front View

Thermal fuse (84 °C [183.2 °F])

Rotary switch

Matching transformer

Network circuit

OFF ○

OFF ○

OFF ○

2 kΩ

1 kΩ

670 Ω

8 Ω

HOT

COM

COM

0

Terminal block (steatite)

(Factory−preset wiring)

Wiring Diagram

Bottom View

UNIT:mm   SCALE:1/4

TOA Corporation

DWG No: GPE00EC1