

BS-678BSW

WALL MOUNT SPEAKER



The BS-678BSW is the voice alarm certification product. The BS-678BSW is suitable for announcement and music use in high quality sound cone speaker. Either concealed in-wall wiring or open wiring can be used for speaker cable connection. The speaker structure that permits direct wall-mounting with screws prevents the speaker from falling easily even if an outward force is applied to. The input impedance can be easily changed by changing the tap position of the transformer.

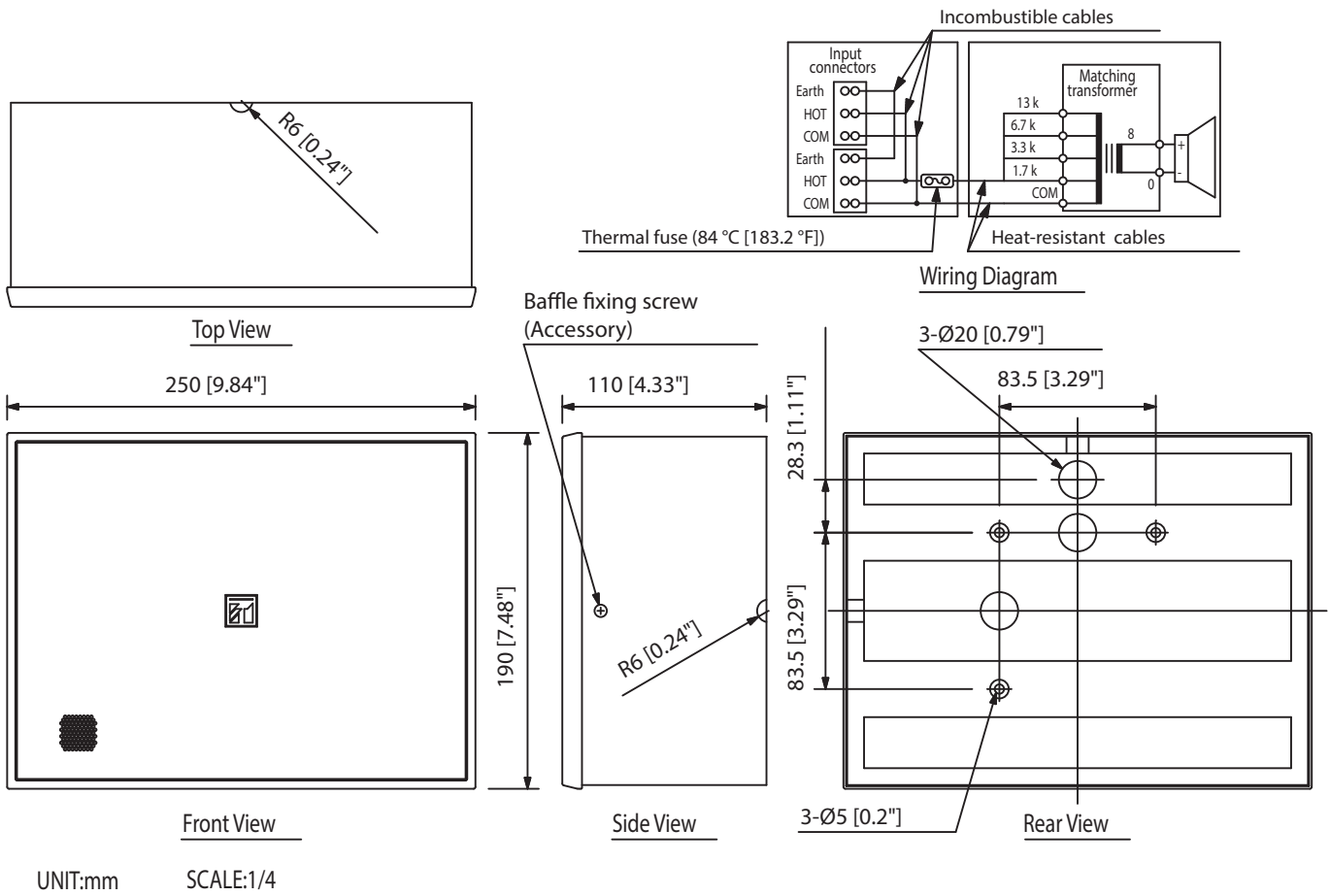
Key features

- Stylish, compact and unobtrusive design
- Quick and easy wall-mount installation
- Cost-effective
- Horizontal and vertical mounting
- Easy impedance selection
- Bridge wiring possible
- Certified according to EN 54-24, ISO 7240-24
- Compliant with BS-5839-8: 2008 14.8

Specifications

Rated Noise Power	6 W (100 V line), 3 W (70 V line)
Rated Impedance	100 V line: 1.7 k Ω (6 W), 3.3 k Ω (3 W), 6.7 k Ω (1.5 W), 13 k Ω (0.8 W) 70 V line: 1.7 k Ω (3 W), 3.3 k Ω (1.5 W), 6.7 k Ω (0.8 W), 13 k Ω (0.4 W)
Sensitivity	94 dB (1 W, 1 m) (500 Hz - 5 kHz, pink noise) 92 dB (1 W, 1 m) (100 Hz - 10 kHz, pink noise) 80 dB (1 W, 4 m) (100 Hz - 10 kHz, pink noise)
Max. SPL	98 dB (6 W, 1 m) (100 Hz - 10 kHz, pink noise) 86 dB (6 W, 4 m) (100 Hz - 10 kHz, pink noise)
Frequency Response	150 Hz - 18 kHz
Coverage Angle	Horizontal: 360° (500 Hz), 135° (1 kHz), 130° (2 kHz), 70° (4 kHz) Vertical: 330° (500 Hz), 160° (1 kHz), 135° (2 kHz), 70° (4 kHz)
Environmental Type	A (indoor applications)
Speaker Component	16 cm (6") cone-type
Speaker Mounting Method	Wall-mount
Cable Requirements	Conductor: Solid wire or 7-core wire 0.8 - 7 mm ² (AWG18-AWG9) for solid wire, 0.8 - 4 mm ² (AWG18-AWG11) for 7-core wire
Connection	Screw connector (steatite terminal x 2) bridging
Operating Temperature	-10 # to +50 # (14 # to 122 #)
Finish	Baffle: HIPS resin, white (RAL 9010 or equivalent color) Cabinet: Particle board with pvc sheet, white (RAL 9010 or equivalent color) Grille: Surface-treated steel plate net, white (RAL 9010 or equivalent color), paint
Dimensions	250 (W) x 190 (H) x 110 (D) mm (9.84 x 7.48" x 4.33")
Weight	1.7 kg (3.75 lb)
Included Accessories	Speaker mounting screw x 2, Baffle fixing screw x 2

Dimensions



A&E specifications

The speaker shall be a 16cm (6") cone-type speaker suitable for wall mounting, thermal fuse with a blowing temperature of 84°C, internal cables with insulation. Cable connection shall be by means of a screw connector (2× fire-resistant terminal blocks made of steatite), with bridging allowable. The speaker shall be certified according to EN 54-24: 2008 with CPD number 0359-CPD-0103, certified according to ISO 7240-24: 2010, complies with BS 5839-8: 2008 14.8.

The speaker shall include a transformer having multiple taps (0.8W, 1.5W, 3W, 6W) at 100V adjustable. The output sound pressure level at a distance of 1m with a 1W input level applied shall be 94 dB SPL (average 0.5 to 5 KHz). The speaker shall have a frequency response of 150 – 20,000Hz (-20dB). Ingress Protection, IP21C.

The speaker Grill shall be constructed of steel and cabinet shall be constructed of wood. The speaker shall be available in white (RAL9011) or black (RAL9010) color. The unit shall have dimensions of 250 (W) ×190 (H) × 108 (D) mm, and a weight of 1.7 kg. Fire Rated Cable can be directly connected to the speaker via 20mm cable glands drilled directly into the wooden cabinet.

The speaker shall be TOA model BS-678BSB/678BSW.