

# SM52TEN-B(WH)

## Strategy Series® Surface Mount Loudspeaker System



### Features

- Compact, 2-way loudspeaker systems for exceptional performance in music and sound reinforcement systems
- Weather-resistant construction for year-round indoor or outdoor use
- UV-resistant PC/ABS or injection molded enclosure, powder coated aluminum grilles and all brass hardware inserts
- Conforms to 100HR salt spray test per ASTM B117
- EN54-24 Certified
- Color matched heavy-duty zinc chromate plated and powder coated "C" bracket (included)
- Highly efficient 5 1/4" (133mm) polypropylene woofer
- 1" (25mm) FerroFluid™ cooled dome tweeter
- AtlasIED TRX WAVEGUIDE™ Provides an Accurate, Constant Directivity High Frequency Coverage
- AtlasIED POLYGUARD™ high frequency circuit diverts damaging transient signals to protect the tweeter
- All 1/4"-20 hardware inserts allow easy integration of "off-the-shelf" security hardware
- Screwdriver adjustable 30-Watt 70.7V/100V transformer for distributed sound applications. (Includes transformer bypass setting for direct coupled 6Ω operation)
- OMNIMOUNT™ 10 Series compatible
- Available in Black (RAL-9011) or White (RAL-9014)
- 5-year warranty

### Applications

- Indoor / Outdoor
- Retail
- Restaurants
- Corporation
- House of Worship

### General Description

Environment-resistant EN54-24 certified SM Series loudspeaker systems offer quality sound reproduction and contemporary styling in a compact enclosure. System components consist of a highly efficient woofer section and ferrofluid cooled, titanium dome high frequency device. Vocal and musical clarity is optimized by the mathematically conceived, advanced design of the AtlasIED TRX Control WaveGuide™ high frequency director. This design provides smooth, even sound coverage (90° H x 90°V). The high frequency section is symmetrical, for equal coverage in both vertical and horizontal cabinet mounting positions. High frequency component protection is provided by the AtlasIED PolyGuard™ protection circuit. The SM52TEN includes an internally mounted 60 Watt 70.7V/100V line matching transformer with screwdriver adjustable tap selection for use in distributed sound applications. The tap selection switch also includes a transformer bypass setting for direct coupled 6Ω operation.

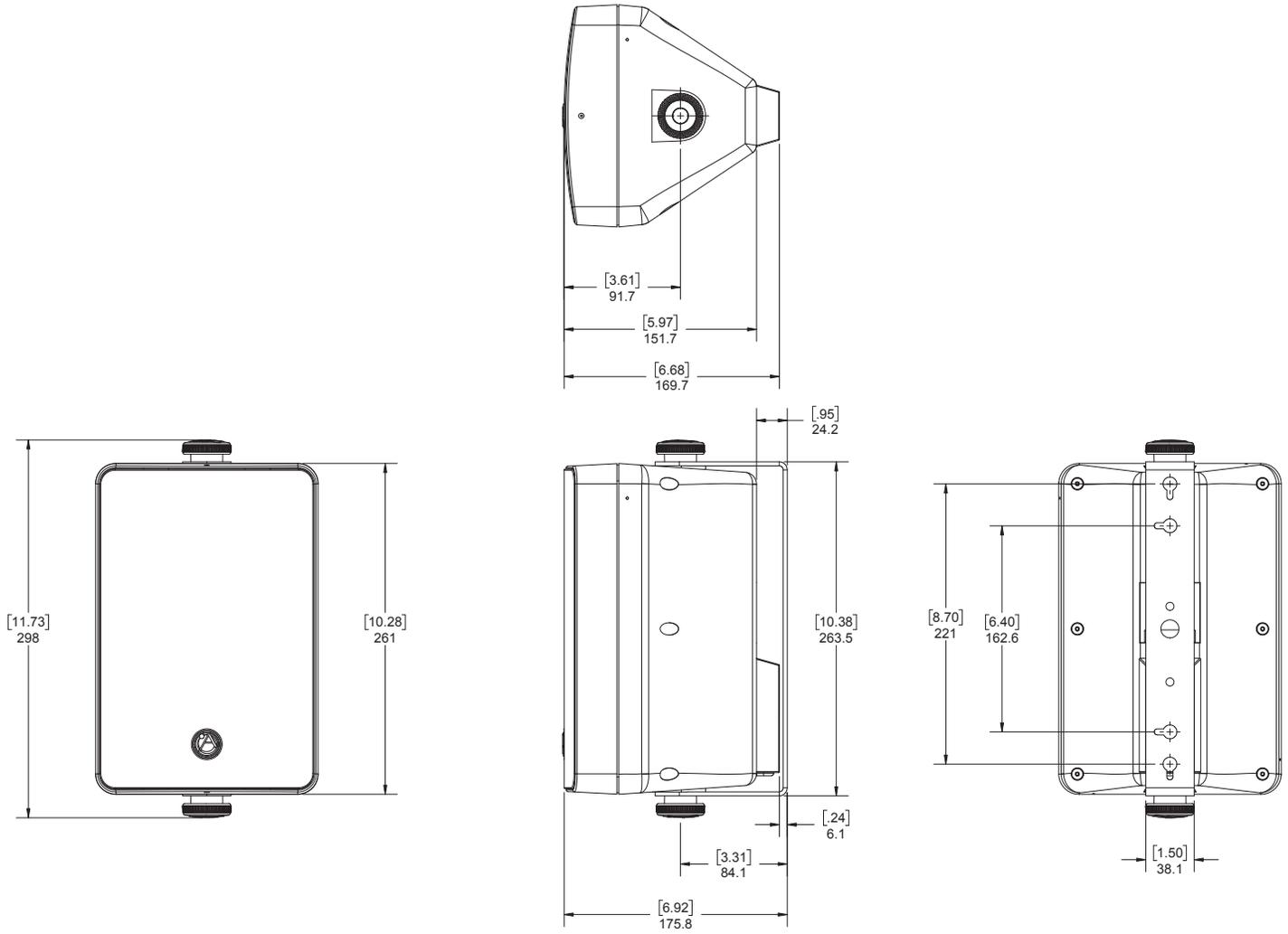
Specifications	
Power Rating (RMS)	100 Watts
Frequency Response	93Hz - 20kHz (±5dB)
Sensitivity (1W/1m)	90dB
EN54-24 Sensitivity (1W/4m)	69dB
Woofer Size	5 1/4" (133mm)
Woofer Cone	Polypropylene
Woofer Surround	Rubber
Woofer Magnet	20oz
Tweeter Size	1" (25mm)
Tweeter Diaphragm Material	Mylar
Tweeter Magnet	1.39oz
Crossover Frequency	4.5kHz
Crossover Type	1st Order Low Pass, 2nd Order High Pass
Transformer Tap @ 70.7V	.94, 1.9, 3.7, 7.5, 15, 30 Watts, & 6Ω Bypass
Height	10 3/16" (285mm)
Width	6 7/8" (175mm)
Depth	5 7/8" (148mm)

**Installation Considerations:**

Care should be taken to ensure that the chosen mounting surface is strong enough to support the SM52TEN. Care should also be taken to ensure that the SM52TEN is not exposed to direct precipitation. Under eaves installation is recommended.

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## Dimensional Drawings



## Architect & Engineer Specifications

The indoor/outdoor loudspeaker system shall be AtlasIED Model SM52TEN-(B or WH) or approved equal. Assemblies shall consist of a woofer and tweeter, within environment-resistant housings. Enclosure shall be constructed of paintable UV-resistant, Polycarbonate/acrylonitrile butadiene styrene injection molded plastic finished in black (SM52TEN-B) or white (SM52TEN-WH).

Each unit shall include a stamped, powder coated, aluminum grille and removable C-shaped mounting bracket. All hardware inserts shall be brass and threaded 1/4"-20. The 100 Watt RMS system shall have a 5 1/4" (133mm) woofer, constructed of reinforced polypropylene, and a 1" (25mm) ferrofluid cooled tweeter. The dividing network crossover frequency shall be 5kHz. The dividing network shall include protection circuits for the high-frequency component. Each unit shall include an internally mounted 30 Watt 70.7V/100V line matching transformer for use in distributed sound applications. Wattage taps shall be screwdriver selectable via a sealed switch located near the input section. Wattage taps shall be 0.94, 1.9, 3.7, 7.5, 15, 30 @ 70.7V plus transformer bypass setting for direct coupled 6 $\Omega$  operation. The loudspeaker system shall meet the following performance criteria: Power handling: 100 Watts RMS; Frequency response: 93Hz – 20kHz ( $\pm$ 5dB); Pressure sensitivity: 82.3dB SPL at one Watt, 100Hz – 10kHz measured at a distance of one meter on axis. Input connectors shall include a two-pole barrier strip capable of accepting up to two #16AWG cables. A tongue-in-groove cover with rubber wire exit grommet shall be provided to protect the input connectors from corrosion. The unit shall be 10 3/16" (258mm) high, 6 7/8" (175mm) wide, 5 7/8" (149mm) deep. Weight Shall be 7.0lbs (3.2kg).