

### DESCRIPTION

The SMS2990 significantly advances small loudspeaker technology in providing superior voice intelligibility, coherence and pattern control, combined with convenient, flexible mount capabilities.

The two-way SMS2990 (4 x 3-inch LF, 1 x 1.3-inch HF, 90-degree by 90-degree coverage pattern) incorporates proprietary Theta Technology™, with the LF drivers configured in a precise arrangement to provide excellent pattern control and coherency below the LF/HF crossover. The LF drivers also couple at lower frequencies, providing LF output of a much larger driver without sacrificing sound quality through the crossover region. The custom high-power HF driver complements the LF subsystem throughout the critical speech range.

The SMS2990 is designed for surface mounting using the proprietary Clip-Fit™ system. All connections for the loudspeaker are contained within the Clip-Fit wall-mount unit via a single Molex connector, with the wall-mount unit pre-mounted at the preferred position on a wall. The installer then just “clips” the loudspeakers onto the Clip-Fit arm, and in one motion, the audio connection is terminated and the loudspeaker is live. The wall-mount unit offers a pan/tilt positioning range for precise aiming. For basic installations, SMS loudspeakers are also provided with U-brackets.

### Features

- 4 x 3-inch Kevlar LF transducers
- 1 x 1.3-inch HF dome tweeter
- 90° x 90° coverage pattern
- Theta Technology = superior coherence and pattern control
- Crossover optimized for speech intelligibility
- UV/weather resistant HIPS (High Impact Polystyrene) enclosure
- Convenient, flexible Clip-Fit mounting system

### Applications

- Meeting Rooms
- Houses of Worship
- Courtrooms
- Multizone Paging/Music Systems
- Hotels
- Boardrooms
- Multi-Purpose Facilities



### SPECIFICATIONS

#### CONFIGURATION

Subsystem:	<i>Transducer</i>	<i>Loading</i>
	LF 4x 3 in cone HF 1x 1.3 in dome	Vented Horn-loaded
Operating Mode:	<i>Amplifier Channels</i>	<i>External Signal Processing</i>
	Single-amp LF/HF	HPF

#### PERFORMANCE

Operating Range:	90 Hz to 20 kHz	
Nominal Beamwidth:	Horz	90°
	Vert	90°
Axial Sensitivity (whole space SPL):		
	LF/HF	90 dB 90 Hz to 20 kHz
Input Impedance (ohms):	<i>Nominal</i>	<i>Minimum</i>
	LF/HF 8	6.5 @ 325 Hz
Input Taps (w/CF-1TX version):	70 V: 64 W / 32 W / 16 W / 8 W	
	100 V: 64 W / 32 W / 16 W	
High Pass Filter:	High Pass=>90 Hz, 24 dB/octave Butterworth	
Accelerated Life Test:	LF/HF 32 V 125 W @ 8 ohm	
Calculated Axial Output Limit (whole space SPL):		
	<i>Average</i>	<i>Peak</i>
	LF/HF 111 dB	117 dB