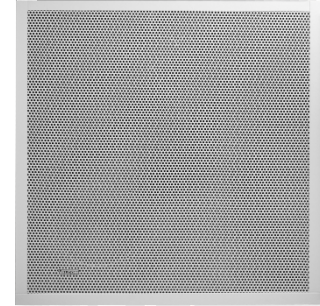


**TECHNICAL SPECIFICATION**  
**2' x 2' LAY-IN CEILING SPEAKER**  
**MODEL V-9028**



**FEATURES:**

- Utilizes Standard CAT 3, 5, or 6 Cable
- Excellent Voice and Music Reproduction
- Built-In Volume Control Per Unit
- Aesthetically Pleasing White Grille
- Integral Plenum Rated Backbox Meets or Exceeds ASTM E84 Flame & Smoke Test
- Four Seismic Tabs Provided for Additional Mounting Integrity
- Replaces a 2' X 2' or 1/2 of a 2' X 4' Ceiling Tile



**DESCRIPTION:**

Dual input 8" speaker assembly, complete with speaker, amplifier, and 2 separate built-in volume controls mounted in 2' x 2' grille with integral backbox.

**Specifications**

**SPEAKER**

**Cone Diameter:** 8" (20.32 cm) Speaker  
**Voice Coil Impedance:** 45 Ohms

**INPUTS**

**Impedance:** > 600 Ohms nominal  
**Signal Level:** -10 dBm line level

**OUTPUT**

**Rating:** > 96 dB @ 4' (1.22 m)  
**Signal/Noise Ratio:** -70

**FREQUENCY RESPONSE**

80 Hz to 15 kHz

**POWER REQUIREMENTS**

50 mA @ -24 Vdc

**HOUSING AND FINISH**

Steel housing with a white baked on acrylic enamel Finish

**ENVIRONMENT**

**Temperature:** -4 to +131°F (-20 to +55°C)  
**Humidity:** 0-95% Non-Condensing

**DIMENSIONS AND WEIGHT**

23.75"L x 23.75 "L x 3.75 "D (60.325 cm x 60.325 cm x 9.525 cm)  
**Weight:** 5.8 lbs (2.61 kg) **Shipping Weight:** 8.3 lbs (3.735 kg)

**ARCHITECTS' AND ENGINEERS**

The dual input 2' x 2' lay-in ceiling speaker, Model V-9028, shall include a speaker, amplifier, and two volume controls.

The speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 15 kHz.

The speaker element shall be cone type with 5 oz (142 g) ceramic magnet. Diameter of speaker cone shall be 8.0" (20.32 cm). Voice coil diameter shall be .75" (1.91 cm). Voice coil impedance shall be 45 ohms.

The amplifier shall have a frequency response of 80 Hz to 15 kHz. Distortion shall be less than 1.5% at rated output of 1-watt RMS. Signal to noise ratio shall be -70dB. The amplifier shall operate on a -24 Vdc nominal power r supply. Operating current shall be 50 mA at -24 Vdc.

Operating temperature shall be -4 to +131°F (-20 to +55°C).

One screwdriver adjustable volume control shall be provided with access through the grille. The volume control for input two shall be accessible from the back of the speaker only. The externally accessible volume control shall make it possible to adjust volume level of one speaker input without removal of unit.

The baffle shall be constructed with a single piece of perforated steel with a white baked on acrylic enamel finish.

The backbox meets or exceed A.S.T.M. E84 flame and smoke test and has a three hour burn rating (UL 181). Four seismic tabs provided for additional mounting integrity. The maximum dimensions shall be 23.75 "H x 23.75 "W x 3.75 "D (60.325 cm x 60.325 cm x 9.525 cm). Weight shall be approximately 5.8 lbs (2.61 kg).

Warranty information may be found on our website at [www.valcom.com/warranty](http://www.valcom.com/warranty).