

### DUAL INPUT 2' x 2' LAY-IN CEILING SPEAKER MODEL V-9028

#### FEATURES:

UTILIZES STANDARD CAT 3, 5, OR 6 CABLE

EXCELLENT VOICE AND MUSIC REPRODUCTION

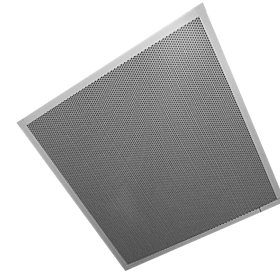
BUILT-IN VOLUME CONTROL PER INPUT

AESTHETICALLY PLEASING WHITE GRILLE

REPLACES A 2' X 2' OR 1/2 OF A 2' X 4' CEILING TILE

FOUR SEISMIC TABS PROVIDED FOR ADDITIONAL MOUNTING INTEGRITY

INTEGRAL PLENUM RATED BACKBOX MEETS OR EXCEEDS A.S.T.M.  
E84 FLAME & SMOKE TEST



#### 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 ELEMENT

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

##### INPUTS

Impedance:  $\geq 600$  Ohms nominal  
Signal Level: -10 dBm line level

##### OUTPUT

Rating:  $\geq 96$  dB @ 4' (1.22 m)  
Signal/Noise Ratio: -70

##### FREQUENCY RESPONSE

80 Hz to 15 kHz

##### POWER REQUIREMENTS

50 mA @ -24 Vdc

##### ENVIRONMENT

Temperature:  $-4^{\circ}$  to  $+131^{\circ}$  F ( $-20$  to  $+55^{\circ}$  C)  
Humidity: 0-95% Non-Condensing

##### HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish.

##### DIMENSIONS AND WEIGHT

24.0" (60.96 cm) L x 24.0" (60.96 cm) W x 3.75" (9.53 cm) D  
Weight: 5.5 lbs (2.49 kg)

# ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

## MODEL V-9028

### DUAL INPUT 2' x 2' LAY-IN CEILING SPEAKER

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 -70 dB. The amplifier shall operate on a -24 Vdc nominal, positive ground power 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 exceeds 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 24.0" (60.96 cm) L x 24.0" (60.96 cm) W x 3.75" (9.53 cm) D. Weight shall be approximately 5.5 lbs (2.49 kg).

## Limited Warranty

Valcom, Inc. warrants its products to be free from defects in materials and workmanship under conditions of normal use and service for a period of one year from the date of shipment. The obligation under this warranty shall be limited to the replacement, repair or refund of any such defective device within the warranty period, provided that:

1. inspection by Valcom, Inc. indicates the validity of the claim,
2. the defect is not the result of damage, misuse, or negligence after the original shipment,
3. the product has not been in any way repaired by others and that factory sealed units are unopened.  
(A service charge plus parts and labor will be applied to units defaced or physically damaged).
4. freight charges for the return of products to Valcom, Inc. are prepaid,
5. all units "out of warranty" are subject to a service charge. The service charge will cover minor repairs  
(major repairs will be subject to additional charges for parts and labor).

**This warranty is in lieu of and excludes all other warranties expressed or implied, and in no event shall Valcom, Inc. be liable for any anticipated profits, consequential damages, loss of time or other losses incurred by the buyer in connection with the purchase, operation or use of the product.**

This warranty specifically excludes damage incurred in shipment. In the event a product is received in damaged condition, the carrier should be notified immediately. Claims for such damage should be filed with the carrier involved in accordance with the F.O.B. point.

