

SUPERVISED DUAL INPUT 2' x 2' LAY-IN CEILING SPEAKER MODEL VL-9028

FEATURES:

- INTEGRATED DUAL INPUT AMPLIFIER
- UTILIZES STANDARD CAT 3, 5, OR 6 CABLE
- AESTHETICALLY PLEASING WHITE GRILLE
- BAKED ENAMEL FINISH
- INTEGRAL PLENUM RATED BACKBOX MEETS OR EXCEEDS ASTM E84 FLAME & SMOKE TEST
- REPLACES A 2' x 2' or 1/2 OF A 2' x 4' CEILING TILE
- FOUR SEISMIC TABS PROVIDED FOR ADDITIONAL MOUNTING INTEGRITY
- INPUT 2 COMPATIBLE WITH WIRE MONITORING SYSTEMS



DESCRIPTION:

8" Speaker assembly with speaker, dual-input amplifier with a volume control for each input mounted in a 2' x 2' grille with integral backbox. Input 2 is compatible with a Valcom Services' Supervised Wiring System. Input 1 is not used with supervised wiring circuits. Audio from both inputs are mixed together to the speaker.

SPEAKER

8" (20.32 cm) Speaker

INPUT/OUTPUT

Input Impedance: ≥ 600 Ohms
Input Level: -10 dBm nominal
Rating: > 96 dB @ 4'
Signal/noise ratio: -70 dB

FREQUENCY RESPONSE

80 Hz to 10 kHz

POWER REQUIREMENT

50 mA @ 24 Vdc

HOUSING AND FINISH

Steel housing with a white baked on acrylic enamel finish

ENVIRONMENT

Temperature: 32 to 122 °F (0 to 50°C)
Humidity: 0 to 85% Non-Precipitating

DIMENSIONS AND WEIGHT

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

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS
MODEL VL-9028
SUPERVISED DUAL INPUT 2' x 2' LAY-IN CEILING SPEAKER

The VL-9028 Supervised Dual Input Lay-in Ceiling Speaker shall consist of a white two foot by two foot perforated grille, speaker with an integrated dual input amplifier and integral backbox. The input 2 volume control is accessible from the rear of the speaker and is the input used with a supervised wiring circuit. The input 1 volume control is accessible through the front of the perforated grille and is not used on supervised wiring circuits. Audio from both inputs shall mix to the speaker.

The speaker for the VL-9028 shall be 8" (20.32 cm) in diameter and have a 5 oz. (142 g) ceramic magnet. The 8" speaker cone material shall be paper. The speaker impedance shall be 45 ohms. The diameter of the voice coil shall be .75" (1.91 cm) diameter. Operating temperature shall be +32 to +122 °F (0 to +50 °C).

The Dual Input Supervised Model VL-9028, shall include a special-built dual input amplifier assembly with a volume control for each input. 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 -24Vdc nominal, positive ground power supply. Operating current shall be 50mA at -24 Vdc.

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 (UL181). Four seismic tabs provided for additional mounting integrity.

Maximum dimensions of the grille shall be: Baffle 2' L x 2' W x 3.75" D (60.96 cm x 60.96 cm x 9.53 cm). Weight shall be approximately 5.5 lbs (2.49 kg).

Limited Warranty

Valcom Services L.L.C. 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 Services L.L.C. 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 Services L.L.C. 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 Services L.L.C. 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.