

**SUPERVISED AMPLIFIED
SQUARE CEILING/WALL SPEAKER
MODEL VL-1920C****FEATURES:**

- UTILIZES STANDARD CAT 3, 5, OR 6 CABLE
- COMPATIBLE WITH VALCOM SERVICES SUPERVISION SYSTEMS
- EXCELLENT VOICE AND MUSIC REPRODUCTION
- BUILT-IN VOLUME CONTROL
- WIDE SOUND DISPERSION
- ELECTRICALLY, ACOUSTICALLY MATCHED COMPONENTS
- STURDY STEEL GRILLE

**DESCRIPTION:**

Ceiling/wall, flush/surface mount 8" speaker assembly, complete with speaker, supervised amplifier, built-in volume control and square grille.

SPEAKER ELEMENT

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

INPUTS

Number of Inputs: 1
Impedance: \geq 600 Ohms nominal
Signal Level : -15dBm 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

SPECIFICATIONS**ENVIRONMENT**

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

HOUSING AND FINISH

Steel grille finished in semi-gloss white enamel. Metal backboxes and support bridges are finished for rust prevention and are available separately. The backboxes are acoustically treated.

DIMENSIONS AND WEIGHT

11.5" (29.2 cm) L x 11.5" (29.2cm) W x 3" (7.62 cm) D
Weight: 3.75 lbs (1.7 kg)

MOUNTING ACCESSORIES

V-9914M Support Bridge (order in multiples of 5)
V-9915M Round Backbox (order in multiples of 5)
V-9916M Bridge and Round Backbox Assembly
V-1991 Surface Mount Backbox (Square)
V-1992 Flush Mount Backbox (Square)

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL VL-1920C SUPERVISED AMPLIFIED CEILING/WALL SPEAKER

The ceiling/wall, flush/surface mounted 8" (20.32) supervised amplified speaker, Model VL-1920C, shall include a speaker, supervised amplifier, volume control and square grille. 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).

A screwdriver adjustable volume control shall be provided at the center of the grille. The externally accessible volume control shall make it possible to adjust volume level of speaker without removal of unit.

The grille shall be constructed of steel, finished in semi-gloss white enamel.

Accessories for ceiling tile mounting: The V-9915M-5 Round Backbox and V-9914M-5 Support Bridge shall be constructed of steel and finished for rust prevention. Both the backbox and support bridge shall be available separately in quantities of five (5) or assembled together singly as the V-9916M. Accessory for surface mount ceiling or wall mounting: The V-1991 Surface Mount Backbox (Square) shall be constructed of steel and finished for rust prevention. Accessory for flush mount wall mounting: The V-1992 Flush Mount Backbox (Square) shall be constructed of steel and finished for rust prevention. All backboxes shall be acoustically treated.

The maximum dimensions shall be: Speaker and Grille – 11.5" (29.2 cm) L x 11.5" (29.2 cm) W x 3.0" (7.62 cm) D. Round Backbox: 12.30" (32.27 cm) dia x 4.02" (10.0 cm) D. Support Bridge: 14.50" (36.83 cm) H x 23.75" (70.33 cm) W x 4.25" (10.80 cm) D. Surface Mount (Square) Backbox: 11.63" (29.54 cm) H x 11.63" (29.54 cm) W x 4.0" (10.16 cm) D. Flush Mount (Square) Backbox: 10.75" (27.3 cm) H x 10.75" (27.3 cm) W x 3.75" (9.53 cm) D.

Shipping Weight shall be approximately: Speaker and Grille: 3.75 lbs (1.7 kg). Support Bridge (qty 5): 9.0 lbs (4.1 kg). Round Backbox (qty 5): 10.5 lbs (4.8 kg). Bridge and Round Backbox Assembly (qty 1): 4.75 lbs (2.2 kg). Surface Mount (Square) Backbox (qty 1): 6.0 lbs. (2.7 kg). Flush Mount (Square) Backbox (qty 1): 2.5 lbs (1.1kg).

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.