

**SUPERVISED ROUND CEILING SPEAKER
MODEL VL-1020C****FEATURES:**

- COMPATIBLE WITH WIRE MONITORING SYSTEMS
- UTILIZES STANDARD CAT 3, 5, OR 6 CABLE
- EXCELLENT VOICE AND MUSIC REPRODUCTION
- INTEGRATED AMPLIFIER WITH VOLUME CONTROL
- SCREWDRIVER OR KNOB VOLUME CONTROL
- WIDE SOUND DISPERSION
- STURDY STEEL GRILLE
- ELECTRICALLY, ACOUSTICALLY MATCHED COMPONENTS

**DESCRIPTION:**

Ceiling flush mount 8" speaker assembly, complete with speaker, amplifier, built-in volume control and round grille that is compatible with a Valcom Services' Supervised Wiring System.

SPEAKER ELEMENT

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

INPUT/OUTPUT

Input Impedance \geq 600 Ohms
Input Level: -10 dBm nominal
Acoustic Output: > 96 dB @ 4'
Signal/noise ratio: -70 Db

FREQUENCY RESPONSE

80 Hz to 10 kHz

POWER REQUIREMENT

50 mA @ 24 Vdc

SPECIFICATIONS**HOUSING AND FINISH**

Round steel grille finished in semi-gloss white enamel.

ENVIRONMENT

Temperature: -4° to 132 °F (-20° to +55°C)
Humidity: 0 to 95% Non-Condensing

DIMENSIONS AND WEIGHT

13.0" (33 cm) Dia. x 3" (7.62 cm) D
Weight: 3.7 lbs. (1.7 kg)

Mounting Accessories

V-9914M Metal Support Bridge
V-9915M Metal Backbox
V-9916M Metal Bridge and Backbox Assembly

ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

MODEL VL-1020C

SUPERVISED ROUND CEILING SPEAKER

The ceiling flush mounted 8" (20.32) amplified speaker, Model VL-1020C, shall include a speaker, amplifier, volume control and round grille. The speaker assembly, amplifier module, housing and hardware shall be electrically and acoustically matched for a frequency response of 80 Hz to 10 kHz. The assembly shall be compatible with a Valcom Services' Supervised Wiring System.

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) with 2.0" (5.08 cm) whizzer cone. 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 10 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 or speaker without removal of unit. A "pop on-pop off" volume knob shall be included for end-user ease of volume adjustment if desired.

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

The V-9915M-5 Backbox and V-9914M-5 Support Bridge shall be constructed of steel and finished for rust prevention. The backbox shall be acoustically treated. Both the backbox and support bridge shall be available separately in quantities of five (5) or assembled together singly as the V-9916M.

The maximum dimensions shall be: Speaker and Grille - 13.0" (33.02 cm) dia x 3.0" (7.62 cm) D. 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.

Shipping Weight shall be approximately: Speaker and Grille: 3.75 lbs (1.7 kg). Support Bridge (qty 5): 9.0 lbs (4.1 kg). Backbox (qty 5): 10.5 lbs (4.8 kg). Bridge and Backbox Assembly (qty 1): 4.75 lbs (2.2 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.