

## SIGNATURE SERIES, HIGH FIDELITY CO-AXIAL CEILING SPEAKER MODEL V-1420

### FEATURES:

EXCELLENT VOICE AND MUSIC REPRODUCTION  
HIGH FIDELITY 6 WATT AMPLIFIER BUILT-IN  
OPERATES ON -24 VDC POWER SUPPLY  
WHITE EPOXY POWDER FINISH GRILLE  
EXTERNAL ACCESSIBLE VOLUME CONTROL



### DESCRIPTION:

A flush mount coaxial ceiling speaker used for high fidelity music and voice reproduction. The speaker/amplifier assembly features an 8" speaker with a 3" tweeter, a steel grille with a scratch resistant white epoxy finish and a 6 watt high fidelity amplifier. An externally set volume control with a removable knob is included.

### SPECIFICATIONS:

#### AMPLIFIER

**Output Power:** 6 Watts  
**Operating Voltage:** -24 Vdc  
**Current Consumption:** 200 mA

#### SPEAKER

**WOOFER:**  
**Voice Coil Impedance:** 8 ohm  
**Diameter:** 8"  
**Magnet Weight:** 10 oz  
**Magnet Material:** Ceramic

#### TWEETER:

**Voice Coil Impedance:** 8ohm  
**Diameter:** 3"  
**Magnet Weight:** 3 oz  
**Magnet Material:** Ceramic

#### SPEAKER/AMPLIFIER

**Frequency Response:** 60 Hz to 20 kHz  
**Power Rating:** 6 Watts  
**THD:** < .5%  
**SPL:**  $\geq$  102 dB @ 4' (1.22m)

#### HOUSING AND FINISH

Steel housing constructed from 18 gauge material finished with a baked on powder coat epoxy finish.

#### ENVIRONMENT

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

#### DIMENSIONS AND WEIGHT

13.0" (33.02 cm) Dia x 3.0" (7.62 cm) D  
Weight: 3.5 lbs. (1.59 kg)

#### ACCESSORIES

Backbox/Bridge V-9816

**ARCHITECTS' AND ENGINEERS' SPECIFICATIONS**  
**MODEL V-1420**  
**SIGNATURE SERIES HIGH FIDELITY**  
**CO-AXIAL CEILING SPEAKER**

The V-1420 Signature Series High Fidelity Co-Axial Ceiling Speaker shall consist of a white co-axial speaker, amplifier, volume control, and round grille. The volume control is accessible through the grille using a removable knob.

The woofer for the V-1420 shall be 8" (20.32 cm) in diameter and have a 10 ounce (284 g) ceramic magnet. The tweeter for the V-1420 shall be 3" (7.62cm) in diameter and have a 3 ounce (85 g) ceramic magnet. Operating temperature shall be +32 to +122 °F (0 to +50 °C).

The Model V-1420, shall include an amplifier assembly and volume control. The amplifier shall operate on a -24Vdc nominal, positive ground power supply. Operating current shall be 200mA at -24 Vdc.

The grille shall be finished with a baked on powder coat epoxy finish.

Dimension shall be 13.0" (33.02 cm) Dia x 3.0" (7.62 cm) D. Weight shall be approximately 3.5 lbs. (1.59 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.