

### CEILING SPEAKER ASSEMBLY MODEL S-500, S-500VC, S-500VS



#### FEATURES:

**FLUSH MOUNT**

**8" 5 WATT SPEAKER**

**COMBINATION 25, 70V TRANSFORMER**

**SCRATCH, SCUFF AND NICK RESISTANT**

**ATTRACTIVE WHITE POWDER EPOXY  
FINISH**

**VOLUME CONTROL WITH KNOB (S-500VC)**

**SCREWDRIVER SET VOLUME CONTROL**

#### DESCRIPTION:

Conventional style flush mount ceiling speaker used for voice paging and background music. The speaker assembly features a steel grille finished with a durable white powder epoxy paint and operates on 25 or 70 volt speaker lines. The S-500VS features a screwdriver adjustable volume control. The S-500VC features a volume control with knob.

#### SPECIFICATIONS:

##### **SPEAKER**

8" (20.32 cm)

##### **MAGNET WEIGHT**

5 oz

##### **MAGNET MATERIAL**

Ceramic

##### **FREQUENCY RESPONSE**

65 Hz to 17 kHz

##### **SOUND PRESSURE LEVEL**

95 dB at 1 Meter on Axis with 1 Watt Input at 1 kHz

##### **POWER RATING**

5 Watts Continuous

##### **VOICE COIL IMPEDANCE**

8 ohm

##### **VOICE COIL DIAMETER**

3/4" (1.91cm)

##### **LINE TRANSFORMER**

Combination 25/70 Volt

##### **TRANSFORMER TAPS**

5, 2.5, 1.25, 0.625 and 0.312 Watts

##### **HOUSING AND FINISH**

Circular 22 gauge steel finished in a baked on white powdered-epoxy finish. The under side of the baffle is finished with a continuous coating of zincrometal.

##### **ENVIRONMENT**

Temperature: 0 to 50 °C (32 to 122 °F)

Humidity: 0-85% Non-Precipitating

##### **DIMENSIONS AND WEIGHT**

# ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

## MODEL S-500, S-500VC S-500VS CEILING SPEAKER ASSEMBLY

The Ceiling Flush Mounted Speaker Assembly, Model S-500, S-500VC, S-500VS shall consist of an 8" (20.32 cm) speaker, volume control, a 25/70 volt transformer and a round baffle. The S-500VC shall have a volume control with knob and the S-500VS shall have a screwdriver set volume control.

The speaker shall be 8" (20.32 cm) in diameter and have a ceramic magnet weighing 5 ounces. The impedance of the speaker shall be 8 ohm The voice coil shall be 3/4" (1.84 cm) in diameter. The speaker shall be capable of handling 5 watts continuous power. Sound pressure level at 1 meter on axis with 1 watt input shall be 95 dB. The frequency response shall be 65 Hz to 17 kHz.

The baffle shall be constructed with a single piece of 22 gauge steel with a baked on white powdered epoxy finish. The under side shall be finished with a continuous coating of zincrometal for corrosion resistance.

The line transformer shall be capable of operating on a 25 or 70 volt line and provide 5 volume adjustments. The level adjustments shall range from .3 watts to 5 watts.

Maximum dimensions of the housing shall be: Baffle Diameter 13" (33 cm). Weight shall be approximately 2.0 lbs (.9 kg).

### Limited Warranty

Clarity 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 Clarity 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 Clarity 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 Clarity 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.