



# TECHNICAL SPECIFICATIONS

## HANDSFREE TALKBACK SPEAKERS MODEL S-503, S-515

### S-503 FEATURES

#### FLUSH MOUNT

8" 45 OHM 5 WATT SPEAKER

SCRATCH, SCUFF AND NICK RESISTANT

WHITE EPOXY POWDER FINISH



### S-515 FEATURES

REMOVABLE CLOTH COVERED GRILLE

5" 45 OHM 5 WATT SPEAKER

HIGH DENSITY POLYPROPYLENE ENCLOSURE

AVAILABLE IN BLACK OR WHITE

BUILT-IN HANGER

### DESCRIPTION:

**S-503:** Flush mount ceiling speaker used with talkback intercom systems. The speaker assembly features a steel grille finished with a durable white powder epoxy paint and 45 ohm 8 inch speaker.

**S-515:** Contemporary designed 45-ohm wall speaker used with talkback intercom systems. The enclosure is a thick walled, high-density polypropylene enclosure that minimizes vibrations. Utilizing the built-in hanger this speaker may be conveniently mounted on the wall. The speaker is available in white or black with a removable color coordinated grille.

### SPECIFICATIONS:

#### SPEAKER

##### S-503

Diameter: 8 inch

Magnet weight: 5 ozs.

Voice Coil Impedance: 45 ohms

Magnet Material: Ceramic

Frequency Response: 65 hZ TO 17 KhZ

Sound Pressure Level: 94 dB @ 1W, 1 Meter

Power Rating: 5 Watts

##### S-515

Voice Coil Impedance: 45 ohm

Diameter: 5 inch

Magnet Weight: 10 ozs

Magnet Material: Ceramic

Frequency Response: 90 Hz – 16 kHz

Sound Pressure Level: 93 dB @ 1W, 1 Meter

Power Rating: 5 Watts

#### HOUSING AND FINISH

**S-503:** Steel housing constructed from 22-gauge material finished with a white powdered-epoxy finish.

**S-515:** High-density polypropylene enclosure finished in black or white.

#### ENVIRONMENT

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

Humidity: 0 to 85% Non-Precipitating

#### DIMENSIONS AND WEIGHT

**S-503:** 13" (33 cm) Dia. x 3.0" (7.62 cm) D.

Weight: 2.0 lbs. (.9 kg).

**S-515:** 10.0" (25.4 cm) W x 6.75" (17.15 cm) H x 4.5" (11.43 cm) D.

Weight: 3.8 lbs. (1.7 kg)

# ARCHITECTS' AND ENGINEERS' SPECIFICATIONS MODEL S-503, S-515 TALKBACK SPEAKERS

## Model S-503

The Flush Mounted Ceiling Talkback Speaker shall consist of an 8-inch (20.32 cm) 45-ohm speaker and a round baffle.

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 45 ohms. The voice coil shall be .75" (1.84 cm) in diameter. The speaker shall be capable of handling 5 watts of continuous power. Sound pressure level at 1 meter on axis with a 1 watt input shall be 94 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 powered-epoxy finish. The under side shall be finished with a continuous coating of zincrometal for corrosion resistance.

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

The Talkback ceiling speaker shall be Model S-503 manufactured by Clarity.

## Model S-515

The Talkback Wall Speaker shall consist of a 5" (12.7 cm) 45-ohm speaker and a thick walled, high-density polypropylene enclosure that minimizes vibrations. The talkback wall speaker shall have a removable color coordinated grille.

The speaker shall be 5" (12.7 cm) in diameter and have a ceramic magnet weighing 5 ounces. The impedance of the speaker shall be 45 ohms. The voice coil shall be .75" (1.84 cm) in diameter. The speaker shall be capable of handling 5 watts of continuous power. Sound pressure level at 1 meter on axis with a 1 watt input shall be 93 dB. The frequency response shall be 90 Hz to 16 kHz. The wall speaker shall have a built-in hanger allowing it to be conveniently mounted on the wall.

Maximum dimensions of the housing shall be: 10.0" (25.4 cm) W x 6.75" (17.15 cm) H x 4.5" (11.43 cm) D. Weight shall be approximately 3.8 lbs. (1.7 kg).

The Talkback wall speaker shall be Model S-515 manufactured by Clarity.

## 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.