

ALTEC 151A PAGING HORN

151A



Features

Extremely Simple Installation—Mounts at Any Angle and in Any Position

Compact, Rugged, Weather-proof Construction

Wide Frequency Response

Exceptionally Long Operating Life

Rugged Driver Mechanism

Moisture Resistant Diaphragm

Low Cost

**WEATHER-PROOF PAGING HORN, DESIGNED FOR:
INDOOR AND OUTDOOR PAGING AND PUBLIC ADDRESS SYSTEMS**
• FACTORIES • SCHOOLS • SHOPPING CENTERS • TRANSPORTATION
TERMINALS • ATHLETIC FIELDS • PARKING LOTS • POWER
PLANTS • AIRCRAFT HANGARS

With the 'jet-age performance' of ALTEC'S new 151A Paging Horn, 'your voice comes through' even in areas of extremely high ambient noise. The 151A has a frequency response of 250 to 13,000 Hz to provide optimum voice reproduction as well as the reproduction of palatable background music. To provide essential out-of-doors stamina and carefree indoors performance, this compact reflex horn features a rugged driver mechanism, moisture-resistant diaphragm, and an exceptionally durable finish.

The unique ALTEC horn mounting assembly allows the horn to be installed in any position and adjusted to any angle. This assembly rotates 360° in two dimensions and approximately 120° in the third dimension (see the installation photograph on the back of this page).

Scientific testing in ALTEC'S Anechoic Chamber has proven the outstanding performance that you expect from the leader with a heritage of quality — ALTEC.

ALTEC

A DIVISION OF ALTEC CORPORATION

1515 S. Manchester Ave., Anaheim, Calif. 92803

ALTEC 151A

MOUNTING AND INSTALLATION

The ALTEC 151A Paging Horn can be mounted in any position and adjusted to any angle. This unusual versatility is accomplished by a mounting assembly that rotates 360° in two dimensions and approximately 120° in the third dimension as shown in the photograph below.

The ALTEC 151A Paging Horn is used with a suitable 25V

or 70V line transformer. The proper transformer for your application can be found by referring to the ALTEC catalogue "70 & 25 Volt Line Transformers" (AL-1438). This catalogue also describes the installation and connection of the transformers. Some of these units can be protected and weather-proofed by the ALTEC 21256 Transformer Housing, which can be mounted vertically against any flat surface such as a wall (see Figure 2).

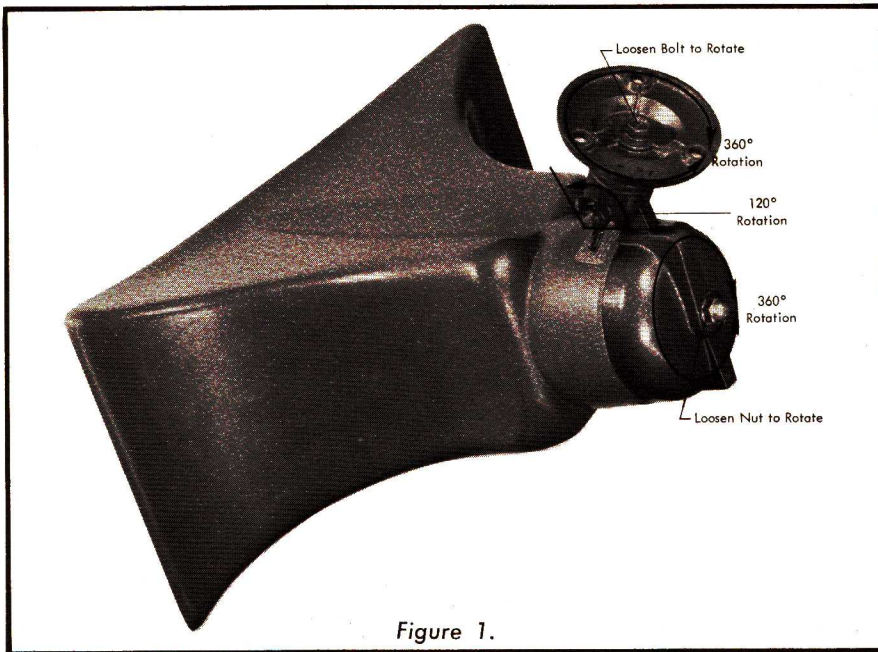


Figure 1.

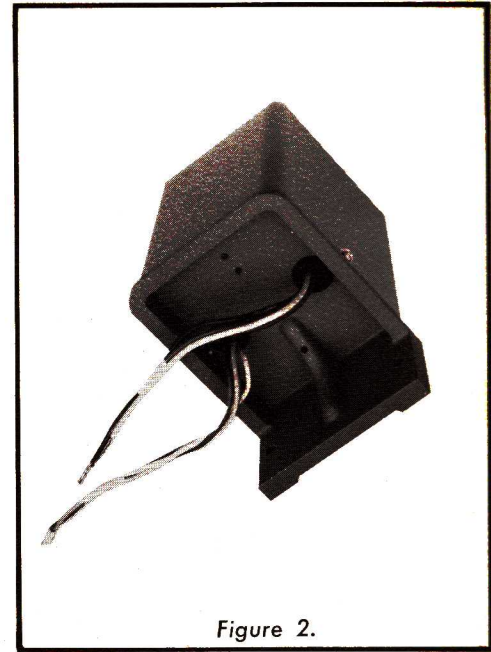


Figure 2.

SPECIFICATIONS

Frequency Response: 250-13,000 Hz
Power Rating: 30 watts (program)
Voice Coil Impedance: 8 ohms
Pressure Sensitivity: 106 dB SPL with 1 watt input of pink noise from 500 to 3000 Hz at 4' on axis (Ref.: 0.0002 dyne/cm²)
121 dB SPL with 30 watts input of pink noise from 500 to 3000 Hz at 4' on axis (Ref.: 0.0002 dyne/cm²)
126 dB SPL at peak response within swept band with 30 watts input of pink noise from 500 to 3000 Hz at 4' on axis (Ref.: 0.0002 dyne/cm²)
Distribution Pattern: 120° horizontal x 60° vertical

Mounting Facility: A mounting flange allows the horn to be rotated 360° in two dimensions and approximately 120° in the third dimension, permitting the horn to be installed in any position.

Mounting Dimensions—

Bolt Hole Diameter: Three 9/32" diameter holes, equally spaced
Bolt Circle: 2-9/16" diameter
Flange: 2-57/64" outside diameter
Overall Dimensions: 7-3/8" H x 14" W x 12" D
Weight: 6 pounds
Color: Gray

ARCHITECT'S AND ENGINEER'S SPECIFICATIONS

The paging horn shall be of the reflex type and shall have a mounting assembly which allows it to be installed in any position and at any angle. This assembly shall rotate 360° in two dimensions and approximately 120° in the third dimension.

The paging horn shall meet the following performance criteria. Frequency response, 250-13,000 Hz. Voice coil impedance, 8 ohms. Power rating, 30 watts (program). Pressure sensitivity; 106 dB SPL measured at 4' on axis with 1 watt input of pink noise from 500 Hz to 3000 Hz, 121 dB SPL measured at 4' on axis with 30

watts input of pink noise from 500 Hz to 3000 Hz (Ref.: 0.0002 dyne/cm²). Distribution pattern, 120° horizontal by 60° vertical.

The paging horn shall have a completely weatherproof design, with a rugged driver mechanism and moisture-resistant diaphragm to ensure long life and operating dependability. The paging horn shall be 7-3/8" H x 14" W x 12" D and shall weigh 6 pounds.

The paging horn shall be the ALTEC Model 151A.