

**Electro-Voice®**  
a gulton company

## Model PL92A Dynamic Cardioid Vocal Microphone

### SPECIFICATIONS

**Generating Element:**  
Dynamic

**Frequency Response (see Figure 3):**  
60 to 15,000 Hz

**Polar Pattern (see Figure 4):**  
Cardioid

**Impedance:**  
150 ohms, balanced

**Output Level:**  
-59.5 dB  
(0 dB = 1 mW/10 dynes/cm<sup>2</sup>)

**EIA Sensitivity:**  
-152 dB

**Switch:**  
On/off (lockable)

**Pop Filter:**  
Built-in Acoustifoam™

**Grille Screen Material:**  
Memraflex

**Case Material:**  
Diecast Zinc

**Dimensions:**  
157 mm (6.19 in.) long,  
50 mm (1.97 in.) maximum diameter

**Net Weight:**  
227 g (8 ounces)

**Finish:**  
Black body with charcoal grille

**Accessories Included:**  
358 stand adapter  
Zippered vinyl carrying case

**Optional Accessories:**  
351 windscreen  
380 attenuator  
541 - 25 ft professional cable with  
A3F type connector at mike end  
542 - 25 ft professional cable with  
A3F & A3M type connectors  
543 - 25 ft professional cable with  
switch connector at mike end  
544 - 50 ft professional cable with  
A3F & A3M type connectors

### DESCRIPTION AND APPLICATIONS

The Electro-Voice PL92A is a Single-D dynamic cardioid microphone designed primarily for use by the vocal entertainer. When used close up, the PL92A exhibits the proper amount of bass boost (proximity effect) that vocalists really like. The high-frequency performance of the PL92A has been especially shaped and extended for a clean, open sound that cuts through. The cardioid directional characteristic resists feedback when working close to sound reinforcement speakers and monitors. A built-in Acoustifoam™ blast filter enables close talking or singing without worry of "P-popping" or other excessive breath and sibilant noise. An effective shock mount keeps handling noise to a minimum. The PL92A features a rugged diecast zinc case. The Memraflex grille screen retains its shape. The on/off switch may be locked in the "on" position if desired.

### USING THE VARIABLE LOW-FREQUENCY RESPONSE (PROXIMITY EFFECT)

The PL92A's low-frequency response varies with the distance from the sound source to the microphone as shown in Figure 3. Maximum bass response is produced in close-up use with the microphone 1/4-inch from the sound

source. Minimum bass response is experienced at distances greater than 24 inches.

Useful special effects can be created by an imaginative application of the PL92A's proximity effect:

1. By working closer to the microphone, the human voice will sound more robust.
2. Working close to the PL92A provides a reduced tendency to PA system feedback, over and above that provided by the cardioid directional characteristic alone. When close-talked, the substantial bass boost provides an increase in overall microphone output level. The mixer gain may be proportionately reduced, resulting in a reduction of the system's sensitivity to feedback caused by sound entering the microphone from the distant loudspeakers.
3. For musical instrument pickup, the variable bass response can be utilized to achieve a "clean" bass pickup at a distance of 24 inches or more. By moving the PL92A to a few inches from the instrument, bass will be increased.

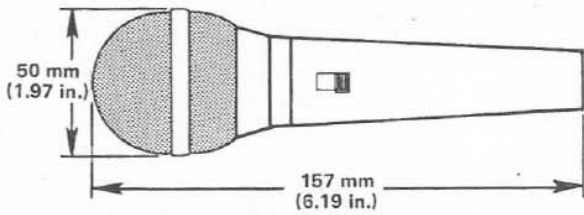


FIGURE 1 – Dimensions

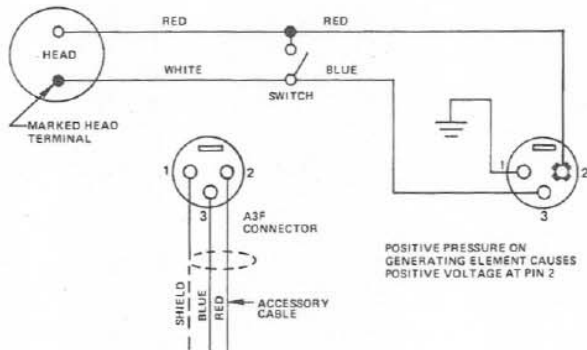


FIGURE 2 – Wiring Diagram

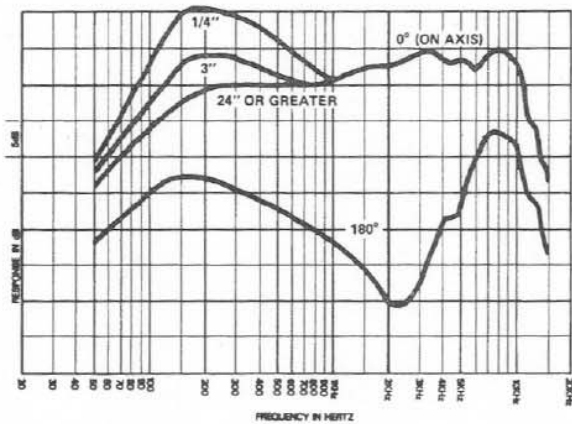


FIGURE 3 – Frequency Response

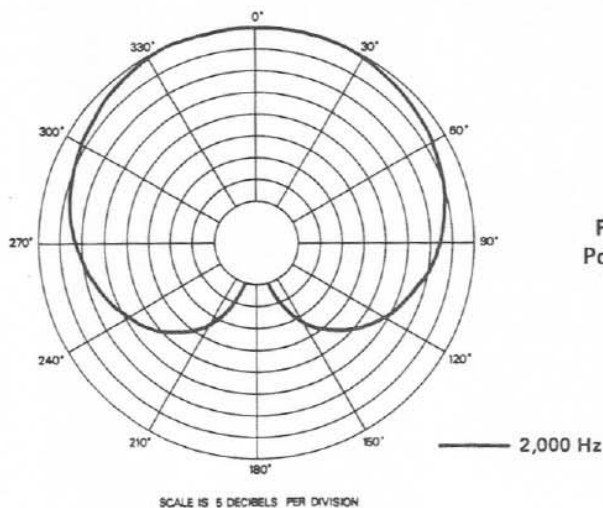


FIGURE 4 – Polar Response

### LOCKABLE ON/OFF SWITCH

The PL92A's lockable on/off switch assembly is shown in Figure 5. To lock the switch in the "on" position, slide the metal locking tab into the position shown. A small screwdriver is ideal for this purpose.

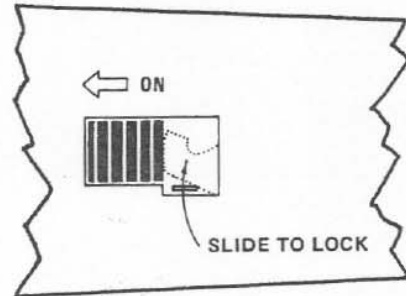


FIGURE 5 – Locking Feature

**WARRANTY (Limited)** – All Electro-Voice PL Microphones are guaranteed for two years from date of original purchase against defects in workmanship and materials. If such malfunction occurs, microphone will be repaired or replaced (at our option) without charge for materials or labor if delivered prepaid to the proper Electro-Voice service facility. Unit will be returned prepaid. Warranty does not cover finish or malfunction due to abuse or operation at other than specified conditions. Repair by other than Electro-Voice or its authorized service agencies will void this guarantee.

For repair information and service locations, please write: Service Department, Electro-Voice, Inc., 600 Cecil Street, Buchanan, Michigan 49107 (Phone 616/695-6831) or 8234 Doe Avenue, Visalia, CA 93277 (209/625-1330,-1).

Electro-Voice also maintains complete facilities for non-warranty service of E-V products.

Specifications subject to change without notice.

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