



### DESCRIPTION AND APPLICATIONS

The Electro-Voice Model 619KK is a dynamic omnidirectional microphone especially designed for a wide variety of communications and paging applications. It is adaptable for amateur, CB, aeronautical, and commercial base station installations, as well as for paging applications.

The 619KK features the exclusive Electro-Voice Acoustalloy® diaphragm. This nonmetallic diaphragm withstands high humidity, temperature extremes, and corrosive effects of salt air. The mechanical nesting principle of design by which the internal parts of the 619KK transducer are closely fitted one within another results in a mechanical structure that is nearly impervious to damage from mechanical shock.

The attractively styled, rugged, die-cast stand is carefully balanced for hand-held use as a "grip-to-talk" microphone, yet will remain firmly positioned for "touch-to-talk" use. The lifetime switch assembly has survived many hundreds of thousands of use cycles--assuring the ultimate in reliability. Removal of one mounting screw permits changing the entire switching mode from "touch-to-talk" to "grip-to-talk". The unique locking feature permits locking switch in the "on" position for "hands free" operation in either "grip-to-talk" or "touch-to-talk" mode.

The model 619KK is shipped wired for operation of an external relay.

### SPECIFICATIONS

|                        |                                                                                                                                                     |
|------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| Element:               | Dynamic                                                                                                                                             |
| Frequency Response:    | 70 - 10,000 Hz                                                                                                                                      |
| Polar Pattern:         | Omnidirectional                                                                                                                                     |
| Impedance:             | Hi-Z                                                                                                                                                |
| Output Level:          | -57 db                                                                                                                                              |
| EIA Sensitivity Level: | -153 db                                                                                                                                             |
| Diaphragm:             | Acoustalloy®                                                                                                                                        |
| Case:                  | Die-Cast Zinc                                                                                                                                       |
| Dimensions:            | 9-3/4" H x 4-1/2" W x 4-3/4" D                                                                                                                      |
| Finish:                | TV gray and satin chrome                                                                                                                            |
| Net Weight:            | 2-1/4 pounds                                                                                                                                        |
| Switch:                | DPDT long-life switch shorts microphone in "off" position, operates external relay in "on" position. Note: See instructions for switch connections. |
| Cable:                 | 3-conductor, 1 shielded, black rubber covered coiled cord, extends to 5 feet.                                                                       |

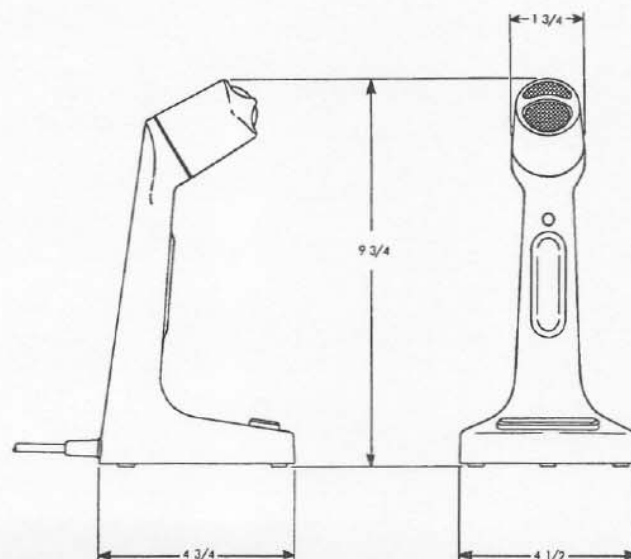


Figure 1- Dimensions

## ARCHITECTS' AND ENGINEERS' SPECIFICATIONS

The microphone shall be an Electro-Voice model 619KK or equivalent. The microphone shall be an omnidirectional, dynamic type with wide-range uniform response from 70 to 10,000 Hz. The output level shall be -57 db with 0 equaling 1 volt/dyne/cm<sup>2</sup>. EIA sensitivity ratings shall be -153 db. The microphone case shall be pressure-cast zinc, and shall include a pressure-cast table stand integral with the microphone case. The complete assembly shall be 9-3/4" high, 4-3/4" deep, and 4-1/2" wide.

A DPDT switch shall be provided, one section of which shall normally short-circuit the transducer when switch is in "off" position and remove short-circuit in the "on" position. A second section of switch shall be provided with capability of function either in electronic switching mode or for operation of external relay. A locking feature shall be provided by means of which switch may be locked in "on" position. A black, rubber-jacketed, three-conductor, one shielded coiled cord shall be furnished. The finish of the integral stand shall be non-reflecting gray and microphone case shall be satin chrome. Net weight shall be 2-1/4 pounds.

Electro-Voice model 619KK is specified.

## CHANGING SWITCH CONNECTIONS

The switch assembly in your model 619KK microphone is easily accessible for wiring revisions. Simply remove 619KK bottom cover plate for access, then remove the single switch assembly "hold down" (Phillips) screw to release the assembly for easy access to switch terminals.

A. The model 619KK is shipped with switch connected as shown in Figure 2 with red and black cable conductors connected to switch terminals #4 and #5 respectively, for operation of an external relay. To revise connections for electronic switching, perform the following steps. (See Figure 3 )

1. Move red cable conductor from terminal #4 to terminal #3.
  2. Connect cable shield to terminal #4.
  3. Return switch assembly to proper position and tighten switch assembly "hold down" screws.
- Replace cover plate.

(Note: Circuit return for electronic switching is via the cable shield. Alternating currents substantially higher than microphone levels are likely to introduce noise into the microphone circuit and should not be switched by this means. For best results, only DC should be transmitted through the cable shield.)

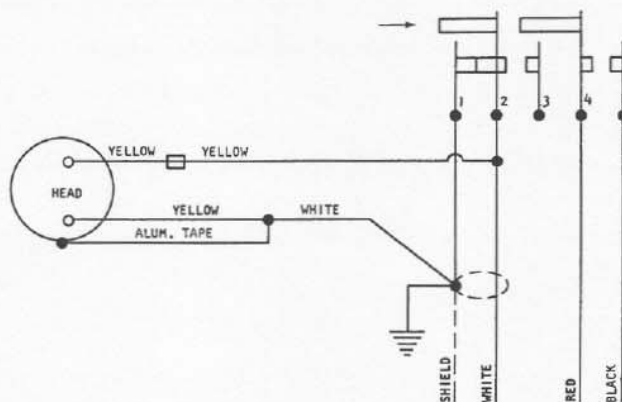


Figure 2- Wiring, relay operation

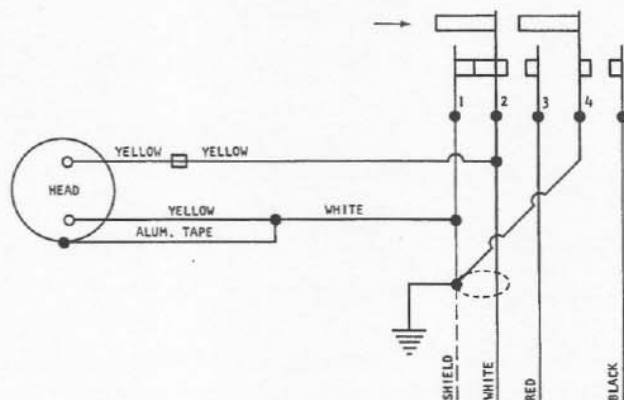


Figure 3- Wiring, electronic switching

## WARRANTY

The model 619KK is guaranteed against defects in workmanship and materials.