

HAND HELD CERAMIC COMMUNICATIONS MICROPHONE



GENERAL

The Model 201 communications microphone is a pressure-actuated diaphragm type, ceramic microphone. It was designed for clear, crisp, natural voice reproduction of high intelligibility. The microphone is recommended for all types of mobile communications, such as police, fire, utility, forestry, and transportation services, including fixed station, amateur, Citizens Band, and any other applications where a rugged hand held microphone is required.

Model 201 is relatively immune to adverse temperature and humidity, and it will operate in temperatures to 71°C (160°F). The microphone is high impedance with omnidirectional polar characteristics.

Model 201 is equipped with a heavy duty push-to-talk switch to control the microphone circuit and an external relay or switching circuit.

The microphone fits naturally and comfortably in the hand. The exclusive ARMO-DUR® case is immune to oil, grease, fumes, salt spray, sun, rust, and corrosion — and is outstanding in its ability to resist mechanical shocks and vibration. It is designed to withstand rigorous operating conditions and constant use.

Microphone Features:

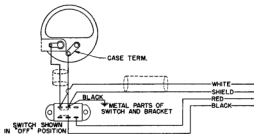
- Highly intelligible voice response
- Reliable, high-output ceramic cartridge
- Tough, rubber-jacketed, four-conductor coiled cable
- Rugged ARMO-DUR case
- Mounting bracket supplied — fits hang-up button on microphone

CONNECTIONS

The Model 201 is a high-impedance microphone with a double-pole single-throw slide switch to control the microphone circuit and an external relay or switching circuit. The cable is a three-conductor, one conductor shielded, coiled cord. Added cable length will be accompanied by a decrease in output, although no frequency discrimination will be introduced.

The internal connections of the Model 201 are shown in Figure 1. Connect the cable leads as follows:

- WHITE to the high-impedance audio input circuit
- SHIELD to chassis or circuit ground
- RED and BLACK to the relay or switching circuit.



INTERNAL CONNECTIONS

FIGURE 1

OPERATION

No polarizing voltage is required for ceramic microphones. Ceramic microphones may be seriously damaged if accidentally connected to loudspeaker or power supply outlets carrying high voltage. Check your connections carefully. When used near a radio transmitter, keep the cable to the minimum length consistent with placement requirements.

Model 201 will operate satisfactorily under all ordinary conditions of humidity, heat, and cold. Severe mechanical shocks, such as dropping the microphone, should be avoided.

