

PRODUCT DESCRIPTION  
AND  
APPLICATION

## COLLINS SECURE VOICE SYSTEM

TE-215



Collins Secure Voice System, designed around the Collins TE-215 Data Modem, allows secure transmission of voice sounds. Voice sounds are digitized at rates of 1200 or 2400 bits per second, encrypted and then transmitted by the data modem at the above rates over wireline, carrier, microwave, scatter, and high-frequency radio 3-kc circuits. Reasonable recognition of user is obtained at 2400 bits per second.

To minimize size, weight, and power requirements, a speech privacy system can be utilized without the use of the cryptographic equipment. The reduced size of the terminal allows its use in conventional military vehicles and in airborne applications. For field conditions and for use in vehicles, the units can be installed in a ruggedized case.



### TE-215A-4 DATA MODEM

4-tone DPSK modem, fully militarized and micro-miniaturized.

**Size:** 1½ ATR

**Weight:** 19 pounds

**Power Requirements:** 47-440 cps, 115 volts, 30 watts

**Options:** Remote control, doppler, diversity

### KY-585 VOCODER

KY-585 Vocoder is a fully militarized and micro-miniaturized voice digitizer.

**Size:** 1½ ATR

**Weight:** 38½ pounds

**Power Requirements:** 47-440 cps, 115 volts, 68 watts

### CRYPTOGRAPHIC EQUIPMENT

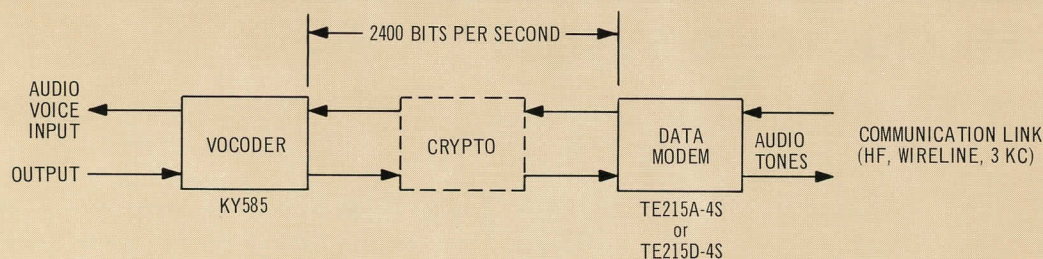
**Size:** Approximately 30 inches high x 20 inches wide x 20 inches deep

**Weight:** 283 pounds

**Power Requirements:** 250 watts

### BLOCK DIAGRAM

The block diagram depicts one end of a typical Collins secure voice system.

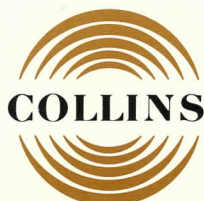


BLOCK DIAGRAM - COLLINS SECURE VOICE SYSTEM

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