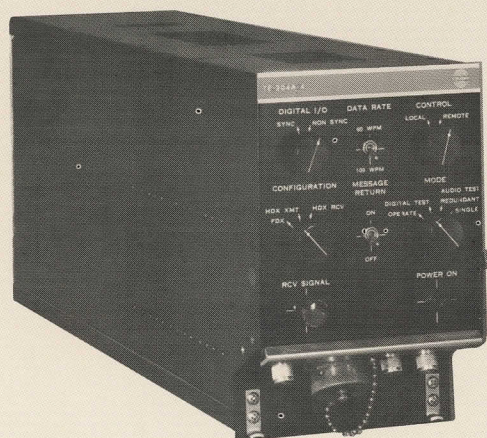


PRODUCT DESCRIPTION
AND
APPLICATION

COLLINS SECURE TELETYPE SYSTEM

TE-204A-4



Collins Secure Teletype System is designed around the TE-204A-4 Data Modem. A terminal includes the TE-204A-4, a teletypewriter and a crypto unit. The TE-204A-4 data modem, through in-band frequency diversity and time diversity, provides highly reliable data communication. Used primarily in air-ground-air communication networks, the modem transmits and receives synchronous, serial, binary data over a standard 3-kc voice channel derived on SSB, FM, AM or wireline.

Transmitting at 75 bits-per-second, equivalent to 100 words-per-minute, TE-204A-4 is particularly well suited for teletypewriter, remote control, telephone signaling and many other applications.

The modem provides continuous, unattended, full-duplex service. No adjustments during operation are necessary. Any bit-synchronous coding scheme can be used, for unlike ordinary FSK modems, the TE-204A-4 synchronizes on the transmitted signal, not on the content of the message. Either the built-in or an externally supplied clock pulse can be used for synchronization.

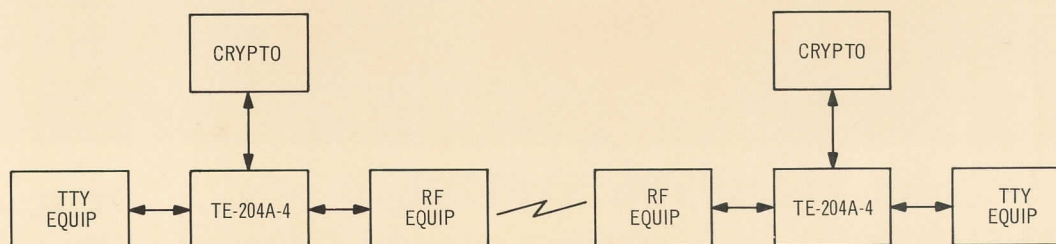
SPECIFICATIONS

Weight: 23 pounds

TE-204A-4 Data Modem — 4-tone synchronous FSK, fully militarized and microminaturized HF data modem.

Size: 1½ ATR

Power Requirements: 55 watts, 115 volts, 50-400 cps



BLOCK DIAGRAM - COLLINS SECURE TELETYPE SYSTEM

Dallas, Texas 75207

COLLINS RADIO COMPANY

Telephone: Area Code 214, 235-9511



COMMUNICATION / COMPUTATION / CONTROL

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