

STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army, Navy
DATE OF THIS SHEET: 5 Jan 52

AN/TGC-4

TELETYPEWRITER CENTRAL OFFICE SET



Teletypewriter Central Office Set AN/TGC-4 is a large semiautomatic tape relay facility for handling a large volume of teletypewriter traffic in fixed station applications. It must be specifically engineered and arranged for the traffic-handling requirements of the headquarters in which it is used.

It consists of automatic line finding, switching, transmitting, and receiving components and related items.

Provides for automatic reception and transmission of traffic, but operators are required to supervise and route messages.

Regulated 115-v, 60-cyc ac is required for the reperforator and transmitter motors, and for the pneumatic tube exhaust and other small motors.

A d-c supply at approximately 115 v (both positive and negative) with grounded neutral leg is required for various line and relay circuits.

AN/TGC-4	INSTRUCTION LITERATURE: TM 11-2212
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Consists of approximately 16 major components depending upon the requirements for which the teletypewriter central office is engineered.)

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army or higher headquarters.

INSTALLATION: Ground, fixed station.

CAN COMMUNICATE WITH: Terminal, repeater, or station apparatus over wire, cable, carrier, or radioteletype standard communication facilities composing the system in which it operates.

TECHNICAL CHARACTERISTICS

OPERATING FUNCTIONS: Automatic reception, tape perforation with typing. Automatic transmission, perforated tape sending. Automatic line switching. Manual supervision.

OPERATING SPEED: 60 wpm (368 opm) but can be adjusted for operation at 66 wpm (404 opm) or 100 wpm (600 opm).

MOTOR CHARACTERISTICS: A-c synchronous motors, a-c series-governed motors, d-c supply.

POWER REQUIREMENTS: 115 v, 60 cyc ac and 115 v dc. Dependent upon quantity of operating components and their arrangement.

PHYSICAL CHARACTERISTICS

The dimensions, volume, and number of packages in which this equipment is shipped vary according to the requirements for which the teletypewriter central office set is engineered.