

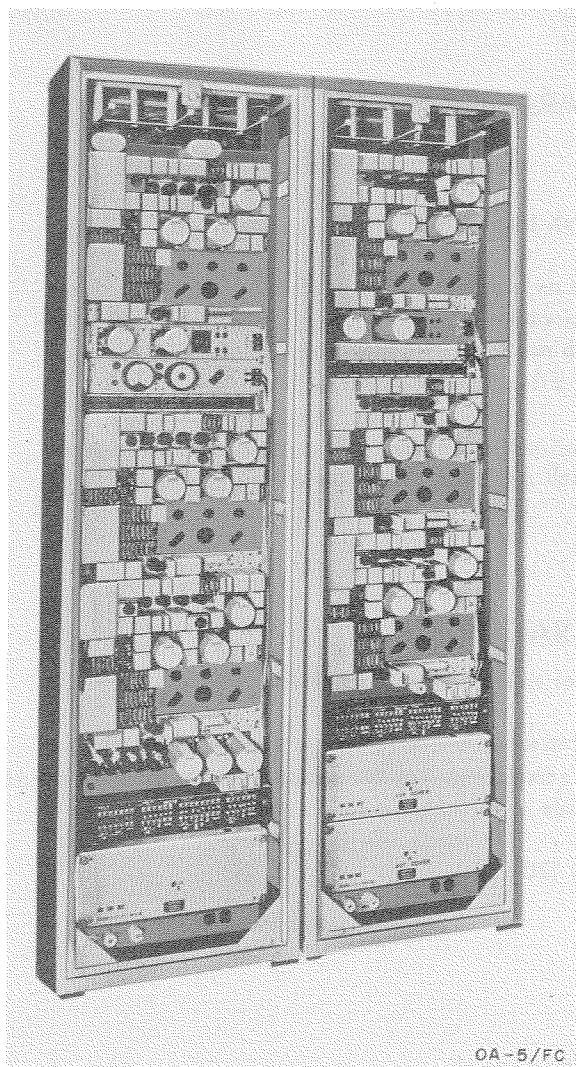
STATUS: Limited Standard
CLASSIFICATION OF EQUIPMENT: Unclassified
USING SERVICE: Army
DATE OF THIS SHEET: 13 Feb 52

AN/FCC-TYPE

AN/COMP TYPE NUMBER:

OA-5/FC

CARRIER TERMINAL



Carrier Terminal OA-5/FC is a six-channel carrier terminal equipment used to provide a maximum of 12 two-way, telegraph circuits on a four-wire basis, over type C or type H carrier facilities serving army and higher headquarters.

This equipment consists of two bays of apparatus contained in individual steel floor type cabinets. Each bay provides three channel terminations.

This terminal equipment is designed to be used in conjunction with Carrier Terminal OA-4/FC to provide 12 carrier channels over a single telephone channel.

It may be used separately, or with Carrier Terminal OA-4/FC, and can be operated in channel two of a three-channel carrier telephone system which is derived through carrier Terminal OA-11/FC, or OA-12/FC; or on the v-f channel, or the carrier channel, of Carrier Terminal OA-13/FC.

This terminal requires v-f ringing and operates from a 700-w source of 115 or 230-v ac.

AN/FCC-TYPE		INSTRUCTION LITERATURE: TM 11-2024, and -2029
OA-5/FC		CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Cabinet No. 3, Channels 7, 8, 9	84 x 22-1/4 x 17	600
1	Cabinet No. 4, Channels 10, 11, 12	84 x 22-1/4 x 17	600

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Army or higher headquarters.

INSTALLATION: In fixed plant telephone and telegraph terminals.

MAXIMUM SYSTEM LENGTH: Type H (normally used as single-section systems); 145 miles over 104 copper-steel wire circuits at 6-db net loss. Type C, 1,000 miles or more, circuits of 6-db net loss. Repeater spacings on 104 copper-steel wire of about 155 miles or more.

CAN COMMUNICATE WITH: Repeater, terminal, central-office and related station equipment and subsidiary apparatus which operates in the same connecting facility in fixed plant systems.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: Wire of cable having a maximum loss of -30 dbm.

FACILITIES AFFORDED: Six-channel, two-way operation on a 4-wire basis; separate sending and receiving paths using the same frequency for each direction of transmission; with monitoring of local side of all channels.

FREQUENCY: 1,445 to 2,295 cps; 6 channels spaced 170 cps apart.

TYPE OF MODULATION: Am.

TYPE RINGING: Vt.

POWER REQUIREMENTS: 700 w of 115 / 230 v, 50/60 cyc, ac.

PHYSICAL CHARACTERISTICS

Carrier Terminal OA-5/FC weighs 1,200 pounds net, volume 36.7 cu ft. Packed for export shipment: total weight 1,520 pounds, total volume 66 cu ft, 1.65 ship tons. Shipped in 3 packages.