

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

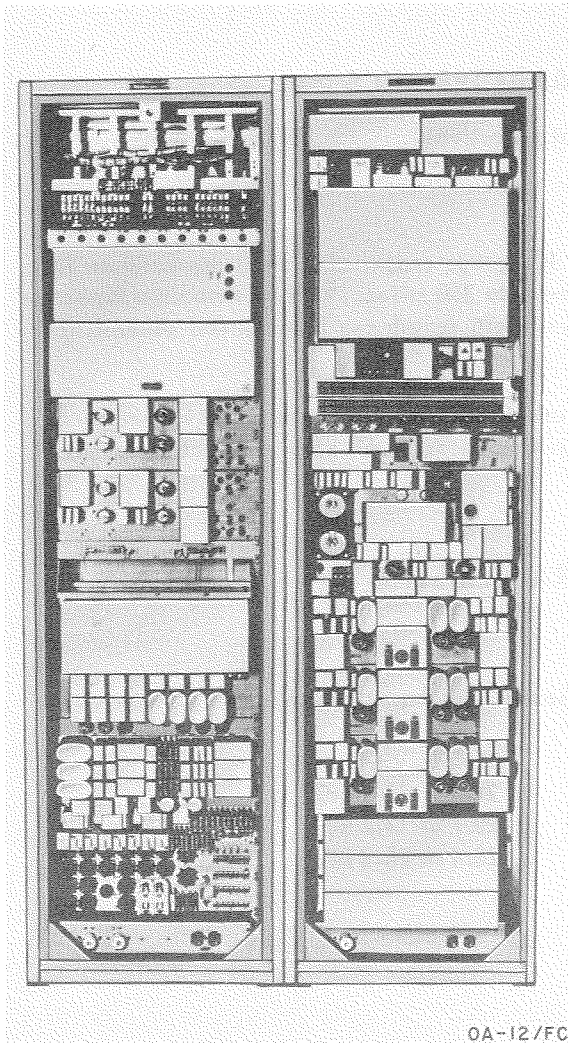
DATE OF THIS SHEET: 29 Feb 52

AN/FCC-TYPE

AN/COMP TYPE NUMBER:

OA-12/FC

CARRIER TERMINAL



OA-12/FC

Carrier Terminal OA-12/FC is a wire communication terminal equipment used in conjunction with Carrier Terminal OA-11/FC to form a means for superimposing three additional two-way telephone circuits to an existing open wire facility in the communications zone of a theater of operations.

This equipment consists of panel-mounted apparatus mounted in a pair of floor mounted steel cabinets, the pair constituting a self contained operating unit including power supply equipment.

This terminal is arbitrarily designated WEST, the other, composed of Carrier Terminal OA-11/FC is designated EAST.

Carrier Repeater OA-9/FC may be used in the system when necessary to increase the operating range, and composite sets may be used to furnish two ground-return telegraph circuits.

Any channel of the system can be used for v-f carrier telegraph communication.

Operates from 105 to 125-v ac.

AN/FCC-TYPE		INSTRUCTION LITERATURE: TM 11-2023
OA-12/FC :AN/COMP TYPE NUMBER		CLASSIFICATION OF EQUIPMENT: Unclassified
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Line and Power Bay	22-1/4 x 17 x 84	600
1	Terminal Bay	22-1/4 x 17 x 84	600

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Communications zone of a theater of operations.

INSTALLATION: Fixed station.

MAXIMUM SYSTEM LENGTH: Without repeaters: On 104-gauge copper-clad steel—approximate 175 miles; on copper—approximate 250 miles. With intermediate repeaters spaced 100 to 175 miles apart, length can be extended several thousand miles.

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.

FACILITIES AFFORDED: Two-wire, 3 circuits (6 channels for 2-way transmission).

FREQUENCY:	<u>Sending</u>	<u>Receiving</u>
Channel 1:	12.9 kc	24.4 or 21.4 kc
Channel 2:	9.4 kc	20.7 or 17.7 kc
Channel 3:	6.3 kc	28.4 or 25.4 kc.

TYPE OF MODULATION: Am.

TYPE RINGING: 1,000 cyc.

POWER REQUIREMENTS: Approximate 250 w from a 105 - 125 v, 50/60 cyc source.

PHYSICAL CHARACTERISTICS

Carrier Terminal OA-12/FC weighs 1,200 pounds net, volume 36.8 cu ft. Packed for export shipment: total weight 1,680 pounds, total volume 75 cu ft, 1.9 ship tons. Shipped in 3 packages.