

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

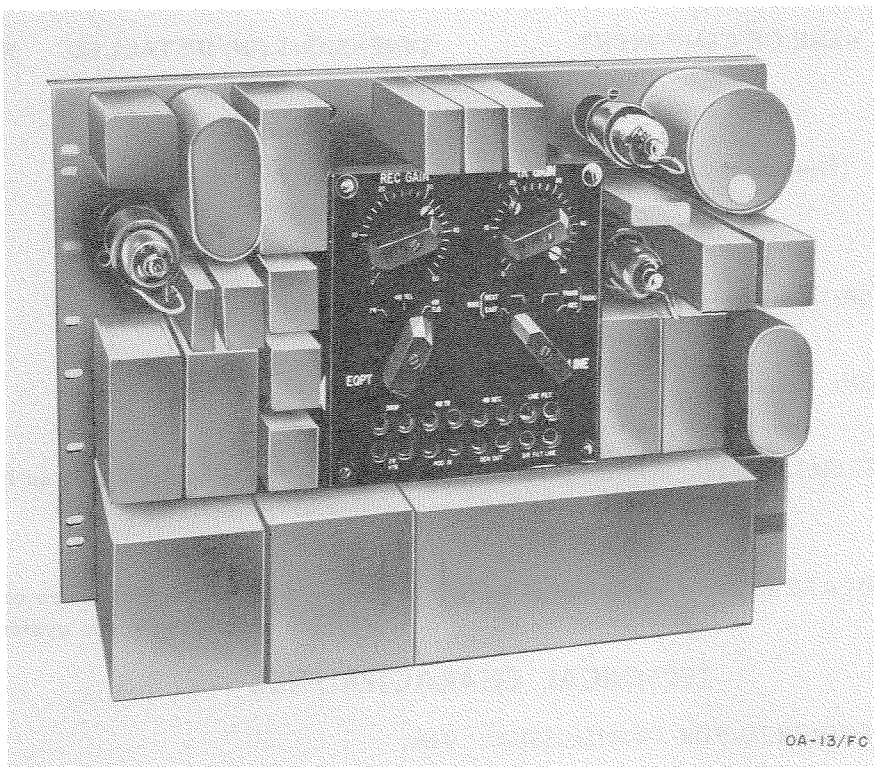
DATE OF THIS SHEET: 29 Feb 52

**AN/FCC-TYPE**

AN/COMP TYPE NUMBER:

OA-13/FC

CARRIER TERMINAL



Carrier Terminal OA-13/FC is type H carrier terminal equipment designed to be used with Carrier Repeater OA-10/FC and Carrier Filter F-36/FC to provide a means of superposing one additional telephone channel on an existing open-wire, v-f circuit, or two additional telephone channels on a circuit involving radio facilities. It is used in the communications zone of a theater of operations as fixed station equipment.

This equipment consists essentially of panel-mounted apparatus which can be installed on a standard relay rack. It converts v-f signals to carrier frequencies for transmission, and carrier frequencies to voice frequencies for reception, with amplification in both directions.

The carrier channel can be used for a v-f telegraph system, within certain limitations. V-f ringing equipment is not included.

Operates on 105-125 v ac.

<b>AN/FCC-TYPE</b>		INSTRUCTION LITERATURE: TM 11-2025
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**MAJOR COMPONENTS**

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
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(Equipment consists only of a single major operating component.)

**OPERATIONAL CHARACTERISTICS**

**TACTICAL USE:** Communications zone of a theater of operations.

**INSTALLATION:** Ground.

**MAXIMUM SYSTEM LENGTH:** Approximately 100 to 1,000 miles or more, depending on line facility, permissible loss, and number of repeaters.

**CAN COMMUNICATE WITH:** Fixed plant or tactical repeater, terminal, central office or carrier equipment operating in the facility or composing the system.

**TECHNICAL CHARACTERISTICS**

**FACILITIES REQUIRED FOR TRANSMISSION:** Wire.

**FACILITIES AFFORDED:** Provides for superposing one additional telephone channel on an existing open-wire v-f circuit.

	<u>East</u>		<u>West</u>	
FREQUENCY:	<u>Sending</u>	<u>Receiving</u>	<u>Sending</u>	<u>Receiving</u>
	7.4 - 10.15 kc	4.15 - 6.9 kc	4.15 - 6.9 kc	7.4 - 10.15 kc

**TYPE OF MODULATION:** Am.

**TYPE RINGING:** 1,000 cps.

**POWER REQUIREMENTS:** 20 w, 105-125 v, 50/60 cyc, ac.

**PHYSICAL CHARACTERISTICS**

Carrier Terminal OA-13/FC weighs 50 pounds net, volume 1.25 cu ft. Packed for export shipment: total weight 125 pounds, total volume 6 cu ft. Shipped in 1 package both domestic and export.