

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT:Unclassified

USING SERVICE: Army

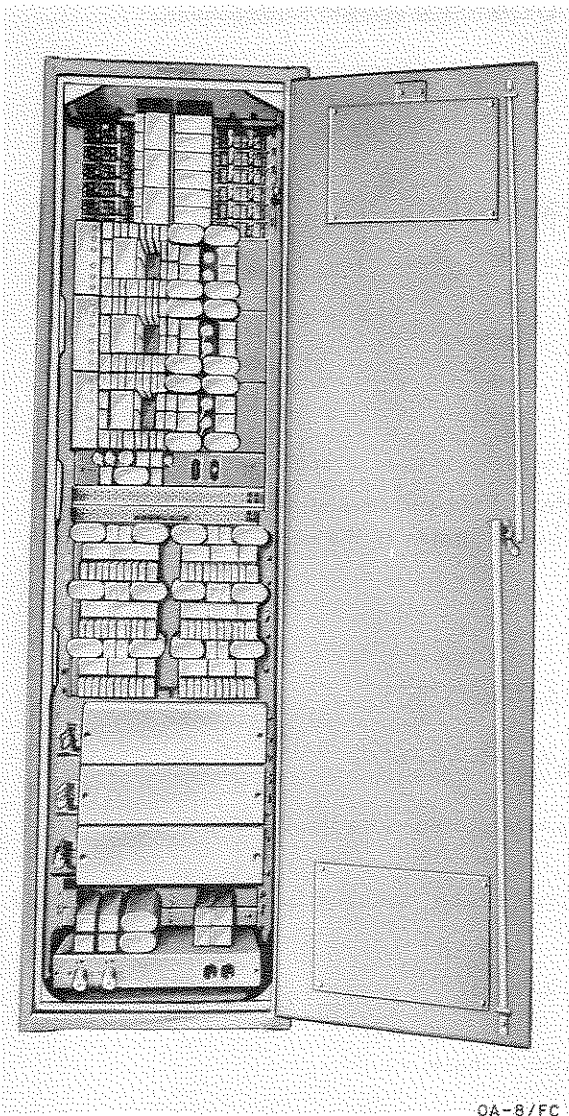
DATE OF THIS SHEET: 17 Feb 52

AN/GCC-TYPE

AN/COMP TYPE NUMBER:

OA-8/FC

TELEPHONE REPEATER



Telephone Repeater OA-8/FC is a v-f equipment used to extend the range of communication of two- or four-wire v-f telephone systems on open wire or cable facilities. It is used as an intermediate or terminal repeater in long distance communication facilities serving army and equivalent headquarters.

This equipment consists of three v-f telephone amplifiers mounted in a single cabinet, and includes composite sets, adjustable equalizers for two- or four-wire circuits, and adjustable network for two-wire balancing. Each of the amplifiers has its own power supply, and bridging circuits to permit talking to other repeaters or to circuit terminals.

It has provision for monitoring, 2- or 4-wire termination, signaling, level indicating, and includes overload and safety devices.

It operates on 115-v ac.

OA-8/FC

AN/GCC-TYPE		INSTRUCTION LITERATURE: TM 11-2028
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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: Army, communications zone and zone of interior.

INSTALLATION: Fixed plant.

MAXIMUM SYSTEM LENGTH: 500 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: Two-wire, or four-wire lines.

FACILITIES AFFORDED: Two- and four-wire phantom circuit, two- and four-wire physical circuit.

FREQUENCY: 200 to 2,500 cps.

POWER REQUIREMENTS: 115 v, 50/60 cyc ac.

PHYSICAL CHARACTERISTICS

Telephone Repeater OA-8/FC measures 84 x 22-1/2 x 17 inches, net weight 650 pounds, volume 18.3 cu ft. Packed for export shipment: total weight 975 pounds, total volume 35.5 cu ft, 0.9 ship ton.