

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

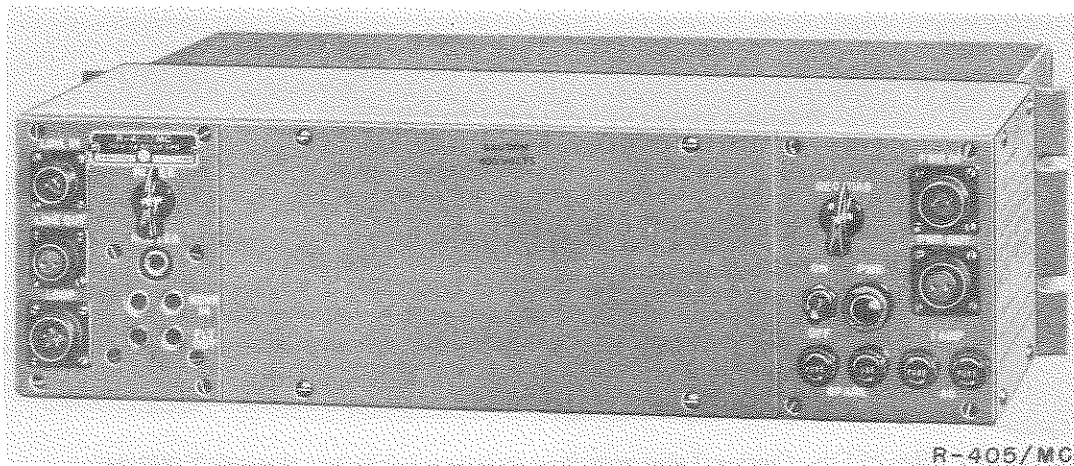
USING SERVICE: Navy

DATE OF THIS SHEET: 29 Mar 52

AN/MCR-TYPE

AN/COMP TYPE NUMBER: R-405/MC through R-412/MC

CARRIER TELEGRAPH RECEIVER



R-405/MC

Carrier Telegraph Receivers R-405/MC through R-412/MC are used to form an eight-channel carrier-telegraph terminal at which a received f-m carrier signal is translated (by each of these eight carrier receiver components) into d-c, on-off-type telegraph signals to operate from one to eight teletype-writers (or similar signal recording devices).

These eight carrier-telegraph receivers are identical except for the characteristic center audio frequency of each.

Interconnections are made by means of short cables.

These eight operating units are installed in a relay rack console which is located in the signal path between radio receiver and teletypewriter (or other recording device).

Each unit has its own built-in power supply.

AN/MCR-TYPE	INSTRUCTION LITERATURE: NavShips 91541
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
8	Carrier Telegraph Receiver R-405/MC through R-412/MC	5-1/4 x 19 x 14-1/2	27.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shore stations, mobile.

INSTALLATION: Ground, mobile.

MAXIMUM SYSTEM LENGTH: Subject to input signal strength. The receiver is sensitive between -40 dbm and +10 dbm, from a 600-ohm source.

CAN COMMUNICATE WITH: Carrier Telegraph Transmitters T-290/MC through T-297/MC.

TECHNICAL CHARACTERISTICS

FACILITIES REQUIRED FOR TRANSMISSION: One wire, cable, or radio, v-f circuit.

FACILITIES AFFORDED: Eight receiving channels, 170 cps apart between 850 and 2210 cps.

FREQUENCY:	(R-405/MC) 935 cps	(R-409/MC) 1615 cps
	(R-406/MC) 1105 cps	(R-410/MC) 1785 cps
	(R-407/MC) 1275 cps	(R-411/MC) 1955 cps
	(R-408/MC) 1445 cps	(R-412/MC) 2125 cps

TYPE OF MODULATION: Fm.

POWER REQUIREMENTS: 280 w, 105/115/125 v, 50/60 cyc, 1 phase.

PHYSICAL CHARACTERISTICS

Carrier Telegraph Receiver R-405/MC (through R-412/MC) measures 42 x 19 x 14-1/2 inches, net weight 216 pounds, volume 6 cu ft. Packed for domestic shipment: total weight 252 pounds, total volume 14.48 cu ft. Shipped in 8 packages.