

STATUS: Standard

CLASSIFICATION OF EQUIPMENT: Unclassified

USING SERVICE: Army

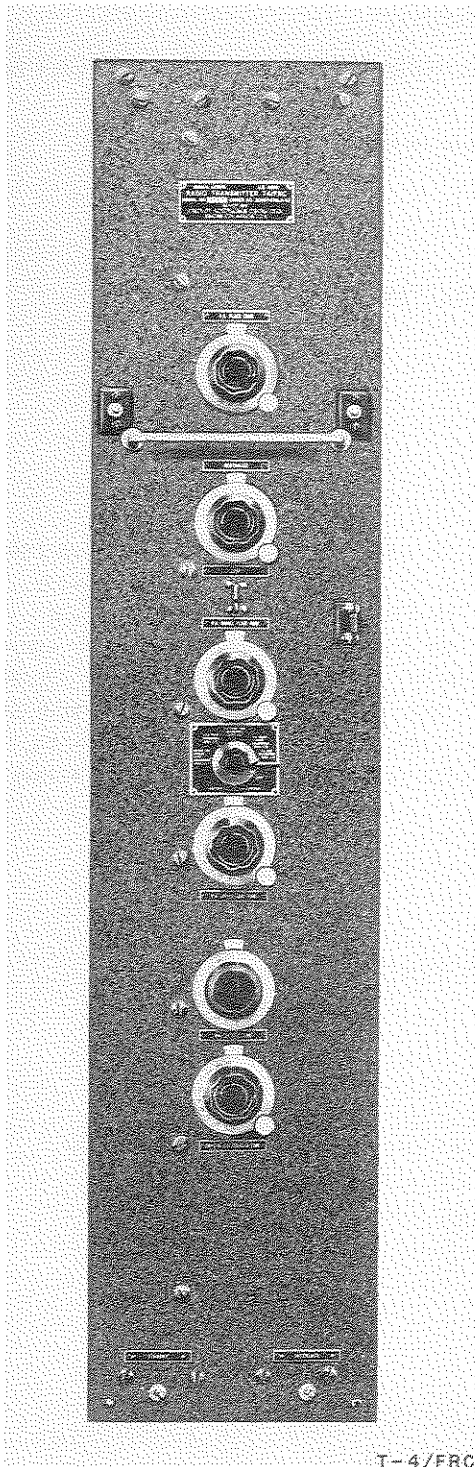
DATE OF THIS SHEET: 31 Jan 52

AN/FRC-TYPE

AN/COMP TYPE NUMBER:

T-4/FRC

RADIO TRANSMITTER



T-4/FRC

Radio Transmitter T-4/FRC is a crystal-controlled, medium frequency, a-m (voice, cw, mcw, and frequency-shift keying) Transmitting equipment, for point-to-point or ground-to-air communication in the medium frequency band, at air bases and similar fixed plant applications.

This equipment consists of a radio transmitter inclosed in a steel floor-type cabinet which also contains the low-voltage power supply unit. It can be operated from a distant location by means of appropriate remote-control equipment, and is provided with a selector switch for selection of crystal, or master oscillator control, or for radio-teletype communication.

For c-w transmission a power supply unit alone must be added; for voice communication a power supply unit and a modulator are required. It may be used with three other transmitters, a modulator, and suitable power supply equipment to constitute a multichannel station equipment.

Operates into a delta-matched doublet, or a rhombic, or equivalent antenna system, and requires a 400 - 600-ohm transmission line.

Requires 220-v ac.

AN/FRC-TYPE		INSTRUCTION LITERATURE: TM 11-820
T-4/FRC		CLASSIFICATION OF EQUIPMENT: Unclassified
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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:** Fixed plant.**INSTALLATION:** Ground, fixed station.**APPROXIMATE RANGE (IN MILES):** Long.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ARR-15; AN/FRC-10; AN/FRR-3, -4, -7, -12, -28, -32; AN/GRC-9, -13, -26; AN/GRR-2, -3, -5; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7, -19, -20; AN/SRR-3, -8, -12, -13; AN/TRQ-1; AN/URR-10, -22, -23; AN/VRC-1, -4; AN/VRR-2; BC-312, -342, -348, -779, -794, -1004; MBS; MQ; OA-58/FRC, -59/FRC; R-62/PR, -80/PR, -96/SR, -129/U, -203/SR, -205/U, -206/PR, -208/FR, -209/FR, -210/U, -211/U, -213/SR, -274/FRR, -320/FRC, -398/URR; RAL; RAO; RAS; RBB; RBC; RBG; RBH; RBM; RBO; RBP; RBS; RCF; RCG; RCH; RDE; RDM; REA; SCR-177, -188, -193, -244, -274, -281, -399, -499, -506, -536, -543, -595, -593, -694, -704; TBO; TBX; TCH; TCP; TCS; AR-88 (RCA); Collins 18S-4 (AF Model); Collins 75A-2; Fisher TS 25-3; Hammarlund SP-600-JX; National HRO-50.

TECHNICAL CHARACTERISTICS**FREQUENCY RANGE IN MEGACYCLES:** 2 - 18.**TYPE MODULATION:** Am.**TYPE OF SIGNAL:** Cw, mcw, frequency shift keying, and voice with additional equipment.**POWER OUTPUT:** 400 w.**POWER REQUIREMENTS:** 220 v, 50/60 cyc ac.**PHYSICAL CHARACTERISTICS**

Radio Transmitter T-4/FRC weighs 330 pounds net.