

STATUS: Substitute Standard

CLASSIFICATION OF EQUIPMENT:Unclassified

USING SERVICE: Navy

DATE OF THIS SHEET: 2 May 52

AN/FRR-TYPE

SERVICE TYPE NUMBER:

RDE, RDE-1

RADIO RECEIVING EQUIPMENT



Radio Receiving Equipments RDE and RDE-1 are single channel, fixed-tuned, crystal-controlled general purpose, radiotelephone receivers used for airport control operation and aeronautical ground stations.

A squelch circuit is used to block the receiver when no signals are being received.

Provisions are made for remote control of the receiver, and muting or disabling may also be controlled remotely over the transmitter press-to-talk circuit.

Four frequency bands are selected by plug-in coil sets.

Either a high-impedance antenna of 50 uuf or more, or a low-impedance 100- or 400-ohm line may be used.

AN/FRR-TYPE		INSTRUCTION LITERATURE: NavShips 95257
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MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Receiver CCI-46219	3-1/2 x 19 x 13	31
1	Coil Set CCI-47363	5-1/8 x 1-7/16 x 4-5/16	Not Available
1	Coil Set CCI-47364	5-1/8 x 1-7/16 x 4-5/16	" "
1	Coil Set CCI-47365	5-1/8 x 1-7/16 x 4-5/16	" "
1	Coil Set CCI-47366	5-1/8 x 1-7/16 x 4-5/16	" "

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Airport control towers or aeronautical ground stations.

INSTALLATION: Ground, rack-mounted.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-2, -5, -8, -9, -21, -25, -26; AN/ART-13; AN/CRT-3; AN/FRC-10; AN/FRT-5, -6, -15, -17, -18; AN/GRC-9, -13, -26; AN/MRC-2, -6, -16, -20, -22; AN/PRC-7; AN/SRT-4; AN/TRQ-1; AN/URT-2, -3, -4; AN/VRC-1, -4; BC-191, -339, -401, -447, -610; MBS; MQ; OA-60A/FRT, -60B/FRT; RC-52; SCR-177, -188, -193, -274, -281, -399, -499, -506, -536, -543, -585, -694; T-4/FRC, -83/SR, -158/FRT, -159/FRT, -172/FR, -173/FR, -174/FR, -175/FR, -177/FR, -180/FR; TBA; TBC; TBK; TBL; TBM; TBN; TBO; TBU; TBW; TBX; TCB; TCC; TCE; TCH; TCK; TCP; TCS; TCZ; TDE; TDF; TDH; TDN; TDO; TEB; TEC; TEF; Collins 18S-4 (AF Model); Collins 32V-2; Fisher TS 25-3; Marconi TH-41-B; Westinghouse Type MW; Wilcox 96D, 99A.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 2.0 - 8.0 in four bands.

Band 1: 2.0 - 2.8

Band 3: 4.0 - 5.5

Band 2: 2.8 - 4.0

Band 4: 5.5 - 8.0.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Voice.

POWER OUTPUT: 0.5 w into 600 ohm load.

POWER REQUIREMENTS: 60 va, 110-115 v, 60 cyc, 1 phase, ac.

PHYSICAL CHARACTERISTICS

Radio Receiving Equipments RDE, RDE-1 measure 3-1/2 x 19 x 13 inches.