

STATUS: Limited Standard

CLASSIFICATION OF EQUIPMENT:Unclassified

USING SERVICE: Navy, Army

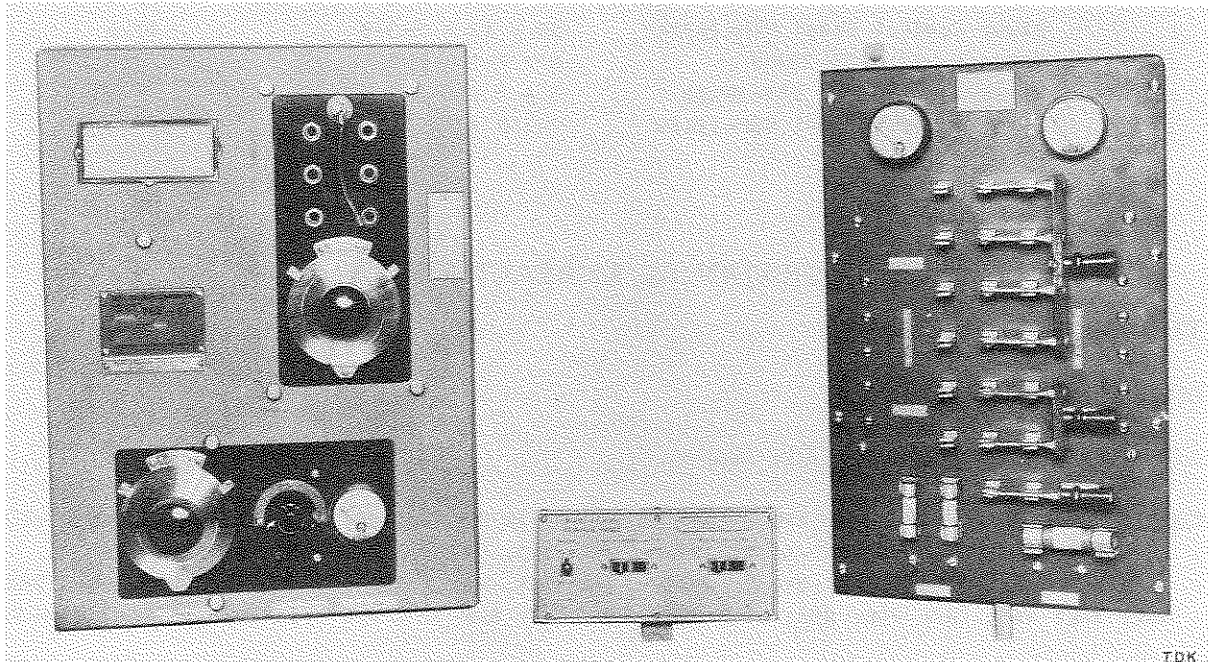
DATE OF THIS SHEET: 23 May 52

AN/SRT-TYPE

SERVICE TYPE NUMBER:

TDK

EMERGENCY RADIO TELEGRAPH TRANSMITTER



Emergency Radio Telegraph Transmitter TDK is a-m (mcw) equipment for emergency m-f transmission aboard ship. It provides a high degree of reliability, together with simplified operation and minimum drain from the power supply circuits.

This transmitter uses a simple self-excited oscillator for frequency control.

It will operate from 115-v, d-c, or 12-v storage battery power sources. When it is used only for emergency service from a 12-v battery, no connections are needed to the 115-v motor: but 115-v, d-c must be connected to the power control panel for battery charging.

AN/SRT-TYPE		INSTRUCTION LITERATURE: Not Available
TDK	:SERVICE TYPE NUMBER	CLASSIFICATION OF EQUIPMENT: Unclassified
EMERGENCY RADIO TELEGRAPH TRANSMITTER		USING SERVICE : Navy, Army
		DATE OF THIS SHEET : 23 May 52

MAJOR COMPONENTS

QUANT	NAME OF COMPONENT	DIMENSIONS (IN) INSTALLED	WEIGHT (LBS)
1	Radio Transmitter Unit CRM-5 2269	20-1/8 x 15-1/8 x 7-1/2	26.0
1	Power Control Panel CRM-23910	19 x 12 x 8-3/8	25.0
1	Control Unit CRM-23909	4 x 9-1/8 x 5	4.5
1	Plate Transformer CAY-30892	5 x 5 x 5-3/4	8.5
1	Motor Generator Set CBP-21864	9-1/8 x 30 x 7-3/4	130.0

OPERATIONAL CHARACTERISTICS

TACTICAL USE: Shipboard.

INSTALLATION: Shipborne.

APPROXIMATE RANGE (IN MILES): Medium.

CAN COMMUNICATE WITH: AN/ARC-5, -8; AN/GRR-3; AN/MRC-20; AN/SRC-3; AN/SRR-3, -11, -12; AN/TRQ-1; AN/URR-23; AN/VRC-4; BC-314, -344, -349, -453, -779; MBS; R-62/PR, -96/SR, -129/U, -203/SR, -206/PR, -210/U, -211/U, -212/SR, -213/SR, -215/SR, -247/URR, -388/URR; RAK; RAL; RAS; RBA; RBB; RBH; RBL; RBM; RCH; RDF; SCR-177; ARC Type 12; National HRO-50.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE IN MEGACYCLES: 0.355 - 0.50.

TYPE MODULATION: Am.

TYPE OF SIGNAL: Mcw.

POWER OUTPUT: 30 w into a 750 uuf, 4 ohm antenna.

POWER REQUIREMENTS: 460 w, 115 v, dc; or 540 w, 12 v, dc (consisting of one BA-801 and one BA-802, 256-ampere-hour storage battery).

PHYSICAL CHARACTERISTICS

Emergency Radio Telegraph Transmitter TDK measures 20-1/8 x 15-1/8 x 7-1/2 inches.