

4 April 1966

Cog Service: USN FSN:

RADIO-TERMINAL SET AN/FRC-92(V)

Functional Class:

USA

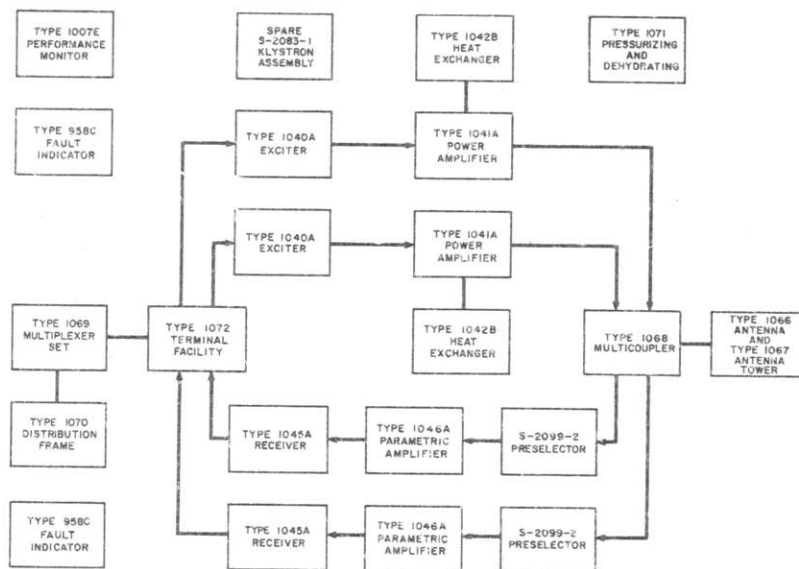
USN

USAF

TYPE CLASS:

Used by

MANUFACTURER'S NAME/CODE NUMBER: Radio Engineering Laboratories, (77633).



RADIO-TERMINAL SET AN/FRC-92(V)

192

FUNCTIONAL DESCRIPTION:

The Radio Terminal Set AN/FRC-92(V) is a shore facility used to provide one terminal in a multi-channel system, over a tropospheric scatter communications link. It is operated as a dual diversity system to increase the quality and reliability of reception.

No field changes in effect at time of preparation (10 February 1966).

RELATION TO OTHER EQUIPMENT: None.

EQUIPMENT REQUIRED BUT NOT SUPPLIED: None.

TECHNICAL CHARACTERISTICS:

OPERATING FREQUENCY RANGE: 345 mc to 400 mc.

TRANSMITTER OUTPUT POWER: 20 kw (two 10 kw outputs diplexed).

TRANSMITTER OUTPUT IMPEDANCE: 50 ohms, nominal.

RADIO-TERMINAL SET AN/FRC-92(V)

RECEIVER INPUT IMPEDANCE: 50 ohms.
 MULTIPLEX CHANNEL CAPACITY: 24 voice channels.
 MULTIPLEX DROP INPUT AND OUTPUT IMPEDANCE: 600 ohms.
 MULTIPLEX HF LINE INPUT AND OUTPUT IMPEDANCE: 75 ohms.
 ORDER WIRE CAPACITY: 3 voice channels.
 ORDER WIRE LINE INPUT AND OUTPUT IMPEDANCE: 600 ohms.
 ORDER WIRE CHANNEL INPUT AND OUTPUT IMPEDANCE: 600 ohms.
 PRIMARY POWER REQUIREMENTS: 208 v ac, 47 to 63 cps, three ph 4-wire; 208 v ac, 47 to 63 cps, single ph 4 wire, one wire grounded; 120 v ac, 47 to 63 cps, single ph, 2 wire.
 AMBIENT TEMPERATURE RANGE
 OPERATING: Minus 29 deg C to Plus 52 deg C.
 STORAGE: Minus 65 deg C to plus 71 deg C.

MAJOR COMPONENTS

QTY	ITEM	STOCK NUMBERS	DIMENSIONS (INCHES)	WEIGHT (LBS)
1	Radio Terminal Set AN/FRC-92(v) includes:			
2-4	Amplifier-Power Supply Group AN/URA-48			
1-2	Antenna AS-1608/FRC-92(v)			
1-2	Dummy Load Calorimeter DA-354/URC			
2-4	Electron Tube Liquid Cooler HD-645/URC			
1-2	Electric Dessicant Dehumidifier HD-663/FRC-92(v)			
2-4	Alarm Monitor BZ-91/URC			
1-2	Multiplexer Set AN/UCC-2(v)			
1-2	Antenna Duplexer-Multiplexer CU-1299/URC			
1-2	Tower AB-841/FRC-92(v)			
2-4	Receiver Group AN/URA-49			
1-2	Terminal Box J-2228/URC			
1-2	Radio Test Set AN/RRM-9			
2-4	Transmitter Group AN/URA-51			
1-2	Monitor Group AN/URA-50			

REFERENCE DATA AND LITERATURE:

NAVSHIPS 94728: Instruction Manual for Radio Terminal Set AN/FRC-92(V).

RADIO-TERMINAL SET AN/FRC-92(V)

SHIPPING DATA

PKGS VOLUME (CU FT) WEIGHT (LBS)

PROCUREMENT DATA

PROCURING SERVICE: USN
SPEC &/OR DWG:

DESIGN COG: USN, BuShips

CONTRACTOR	LOCATION	CONTRACT OR ORDER NO.	APPROX. UNIT COST
Radio Engineering Labora- tories	Long Island City, New York	N0bsr-87659	