



AN/SRT - 1

Figure 17. Radio Transmitting Set AN/SRT-1, watertight cover removed.

Status: Standard. *Stock No.:* 2C6657. *Reference:* TM 11-830.

Radio Transmitting Set AN/SRT-1 (Radiomarine Corporation of America model ET-8026) is a portable, battery-operated, lifeboat transmitter. The set operates automatically for a period of 2 minutes each time the button is pressed, and automatically stops operating upon completion of the cycle for the purpose of conserving the battery.

During each 2-minute operating period, the SOS distress signal is sent 18 times; long-dashes are also sent 6 times, to enable rescuing ship to take bearings.

The sending of these signals does not require a radio operator, although the set is provided with a hand telegraph key which may be used by a radio operator for straight m-c-w transmitting.

The battery is good for 48 operating periods of 2 minutes each, or, for 48 hours if used on an hourly schedule as is recommended.

A battery charging panel (Radiomarine Corporation of America model RM-16) consisting of an ammeter and current limiting resistors is used to charge the transmitter power supply storage battery from the 115-volt, d-c ship mains.

TECHNICAL CHARACTERISTICS

FREQUENCY RANGE: 0.5 mc (International distress frequency).
NUMBER OF CRYSTALS: None.
PRESET FREQUENCIES: 1.
ANTENNA: Attached wire antenna for use in lifeboat.
TYPE MODULATION : M-c-w.
FREQUENCY CONTROL: Preset frequency only.
POWER SOURCE: 6-v storage battery contained in set.
POWER OUTPUT: 5 w.
RANGE: 50 to 100 mi over salt water.
NUMBER OF TUBES: 2.

GENERAL APPLICATION

USE: Lifeboat emergency transmitter.
TO COMMUNICATE WITH: Transmits signals which are received on International distress frequency.
INSTALLATION: Portable set to be installed and operated in lifeboat.
TYPE OF SIGNAL: M-c-w.

PRINCIPAL COMPONENTS

<i>Name</i>	<i>Dimensions (in.)</i>	<i>Weight (lb.)</i>
Radio transmitter	21 $\frac{1}{8}$ x 15 $\frac{1}{8}$ x 13 $\frac{1}{2}$	60
Battery charging panel		
(RMCA model RM-16).		