

## RANGING OUTFITS RTL(1) AND RTL(2)

## SUMMARY OF DATA

## PURPOSE

Radar Ranging Outfits used with Gun Direction Systems and fitted in the G.D.R. in association with any of the variations of T.I.U. Mark 2.

## MAJOR UNITS

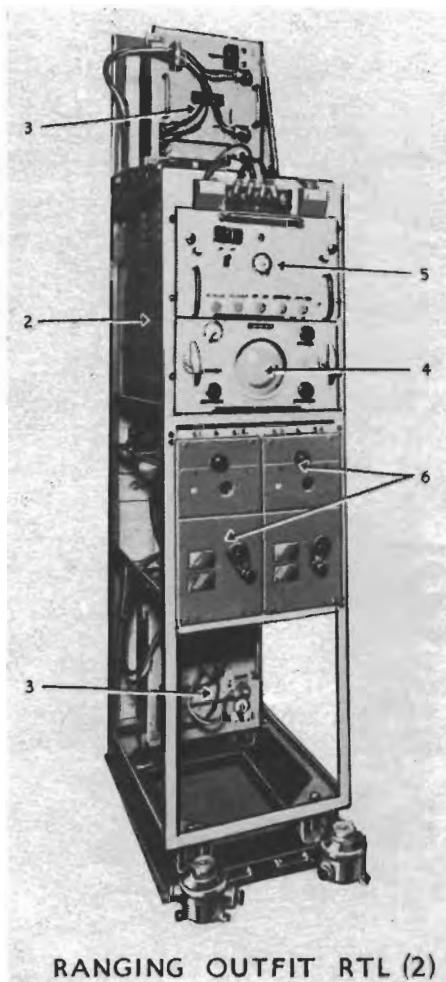
1. Patt. 66630 Range Transmission Rack Des. 3.
2. Patt. W9081 Panel L37RB.
3. Patt. 58924 Generator (Strobe) and Signal Unit, Des. 3 (2 for RTL(2)).
4. Patt. W9561 Cathode Ray Unit, Des. 18.
5. Patt. W9562 Time Base Unit, Des. 16.
6. Patt. A.F.4034 Range Transmission Unit Mark 11 (2 for RTL(2)).

## Notes

- (a) Item 1 contains Items 2 to 6 inc.
- (b) Items 4 and 5 are parts of Item 2.
- (c) Item 6 is a D.N.O. item.
- (d) The difference between RTL(1) and RTL(2) is that RTL(1) uses only one Generator (Strobe) and Signal Unit and one Range Transmission Unit, while RTL(2) has two of each. Otherwise the function of the outfits is identical.

## PHYSICAL DATA

Height	6' 7"	Weight	285 lb
Width	1' 5½"		(Outfit RTL(1))
Depth	2' 3"		336 lb
			(Outfit RTL(2))



## BRIEF DESCRIPTION

The Ranging Outfits provide electrical separation between the range transmission circuits from the G.D.R. to Fire Control Positions. This is achieved by using multiple magflip transmitters actuated from one range handwheel through suitable gearing. The outfits transmit range simultaneously and continuously to a number of different points on a fixed range between 0 to 10,000 yards. This range is set up permanently by means of a locking device on the range selector switch on the panel of Generator (Strobe) and Signal Unit Des. 3.

## POWER REQUIREMENTS AND CONSUMPTION

From Radar Power Supply 180V. 500 c.p.s. 200W.

From Ship's Low Power Supply 22V. D.C.  
 50V. 50 c.p.s.)  
 or 60V. 60 c.p.s.) Low Frequency Magslips.

## HANDBOOK

B.R.1506 (ADDM).

## ESTABLISHMENT LIST

E.938.

## INSTALLATION SPECIFICATION

B.708.