RANGING OUTFIT RTK

SUMMARY OF DATA

PURPOSE
A Radar Range Outfit used with Gun Direction system and fitted in the G.O.R. In association with any of the variations of T.I.D., Mark 2.

MAJOR UNITS
1. Range Transmission Rack (not patternised).
2. Pattr. 9525k Panel ULD.
3. Pattr. 5694k Time Base Unit Des. 19.
4. Pattr. 5695k Cathode Ray Unit Des. 30.
5. Pattr. 5696k Generator (Strobed) and Signal Unit Des. 3.
6. Pattr. A.F.4030 (or A.F.4031) Range Transmission Unit Mark 10 or Mark 10 Star.

N.B.S.
(a) Item 1 contains Items 2 to 6 inc.
(b) Items 3 and 4 are part of Item 2.
(c) Item 6 is a 2, 3, 4, Item.
(d) Items 2, 3 and 4 are integral parts of Outfit 301, in association with which Outfit RTK is always used.

PHYSICAL DATA
Weight

Depth

Width

Weight 56 lb.

BRIEF DESCRIPTION
The Ranging Outfit provides electrical separation between the range transmission circuits from the G.O.R. to Fire Control Positions. This is achieved by using multiple masthead transmitters actuated from one range handwheel through suitable gearing. The outfit transmits range simultaneously and continuously to a number of different points on short medium and long range up to a maximum of 36,000 parts. The chosen range is set up on the Range Selector Switch on the front panel of Generator (Strobed) and Signal Unit Des. 3 and can be locked in any one of three operational range positions by means of a locking screw.

POWER REQUIREMENTS AND CONSUMPTION
From Radar Power Supply 110V. 500 c.p.s. 60W.
From Ship's Low Power Supply 230V. D.C.
50W. 50 c.p.s. (for 60W. 60 c.p.s.) Low Frequency Masclips.
20V. 1100 c.p.s. High Frequency Masclips.

HANDBOOK
B.93B.

ESTABLISHMENT LIST

INSTALLATION SPECIFICATION
B.53b.