

RESTRICTED

DISPLAY OUTFITS JCA, JCB AND JCC

JCA
JCB
JCC

SUMMARY OF DATA

PURPOSE

Display Outfits JCA Series

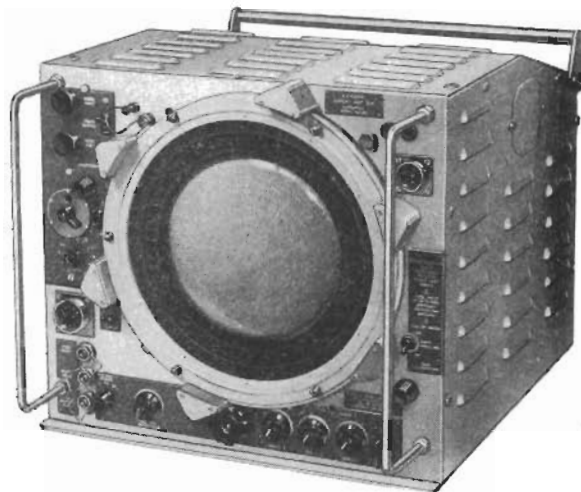
Provides height-finding facilities (H.P.I. and E.P.I.)

Display Outfits JCB Series

Provides a plan picture from a continuously rotating radar aerial (P.P.I.).

Display Outfits JCC Series

Provides facilities for lining-up a WCH radar aerial with targets on a WA display (Azicator).



DISPLAY UNIT, 51R

MAJOR UNIT

The major unit of the Display Outfits is the Display Unit 51R, A.P.63270. This Display Unit is modified by Box of Parts, A.P.57374 when used for azication purposes.

PHYSICAL DATA

Height	Width	Depth	Weight
1' 4½"	1' 6½"	2' 0"	145 lb.

BRIEF DESCRIPTION

- Display Outfit JCA1 - Height Position Indicator (H.P.I.) using Scale, A.P.64255 in conjunction with Types 277P/Q.
- Display Outfit JCA2 - Elevation Position Indicator (E.P.I.) with Scale, Blank, A.P.64078, in conjunction with Type 275 to facilitate the detection of targets in elevation.
- Display Outfit JCB - Plan Position Indicator (P.P.I.) provides a "map-like" presentation of the surrounding area which is "scanned" by the associated radar aerial.
- Display Outfit JCC - Azimuth Indicator (Azicator) for lining-up the aerials of Types 277P/Q, and 983 with Type 960, and for transmitting Type 293P/Q bearing information from Torpedo Control Position.

PERFORMANCE

The measured ranges are accurate to within $\pm 1\%$ with reference to the internal calibration markers provided. In bearing, a variation of $\pm 0.5^\circ$ due to backlash in gearing must be allowed for in addition to the fundamental limitations of the associated equipments.

POWER REQUIREMENTS AND CONSUMPTION

Power Supply 180V, 500 c/s single phase, 200W.
24V, D.C. for auto-aligning.

HEAT DISSIPATION 200 Watts.

HANDBOOK B.R.2097.

ESTABLISHMENT LIST E1126.

INSTALLATION SPECIFICATION B810.