

SUMMARY OF DATA

PURPOSE

Display Outfit JS is installed in the Radar Display Room of ships fitted with Type 983 and is used as the height-finding display for that set.

POWER REQUIREMENTS AND CONSUMPTION

180 Volts 500 c/s 3 phase - 3 amps taken from A.C. Supply Outfit DWJ.

HEAT DISSIPATION IN OFFICE 1/2 kW.

MAJOR UNITS

1. Patt. 56990 Rectifier Unit, Design 67
2. Patt. 57474 Panel L48 Height Display (Upper)
3. Patt. 57475 Cursor Control Unit
4. Patt. 57476 Time Base Unit, Design 21
5. Patt. 57477 Limiter and Synch Distributing Unit
6. Patt. 57478 Calibrator Unit, Design 7
7. Patt. 57479 Time Base Unit, Design 22
8. Patt. 57480 Amplifier Unit, Video, Design 1
9. Patt. 57481 Rectifier Unit, Design 70
10. Patt. 57482 Rectifier Unit, Design 71
11. Patt. 57484 Rectifier Unit, Design 72
12. Patt. 57485 C.R. Tube Control Unit for Panel L48
13. Patt. 57486 Body for A.P.57485 C.R. Tube Control Unit
14. Patt. 57487 Deflection Coil Unit for A.P.57485 C.R. Tube Control Unit
15. Patt. 57488 Control Board for A.P.57485 C.R. Tube Control Unit
16. Patt. 57489 Scale Mounted and illuminated for A.P.57485 C.R. Tube Control Unit
17. Patt. 57491 Panel L48 Height Display (Middle)
18. Patt. 57492 Panel L48 Height Display (Lower)
19. Patt. 59750 Rectifier Unit Des. 114 for deflector coil shift current
20. Patt. 59751 Potentiometer Unit (Cursor) with counter mechanism
21. Patt. 65629 Control Unit, Sector Elevation Design 2

Items 3, 4, 5, 6, 7, 8 and 12 are components of Item 2

Items 13, 14, 15 and 16 are components of Item 12

Items 1, 9, 20 and 21 are components of Item 17

Items 10, 11 and 19 are components of Item 18

PHYSICAL DATA

Total Weight of Panel L48 - 700 lb. (approx.)

Overall Dimensions of Panel L48 - 5' 1" high 1' 10 1/2" wide 2' 1" deep.

Panel L48 is fitted in the Radar Display Room.

BRIEF DESCRIPTION

Display Outfit JS consists of Panel L48, which contains a cathode ray tube display, giving effectively a side elevation expanded in height of the area swept by the Aerial Outfit AQT (Type 983) controlled by Control Unit 200/S for height-finding.

The target radar echo is presented as a short vertical line on the cathode ray tube, height is obtained by bisecting the echo with an electronic cursor, which is corrected for the earth's curvature, and controlled by a hand wheel. The height is indicated on a counter drum.

HANDBOOK

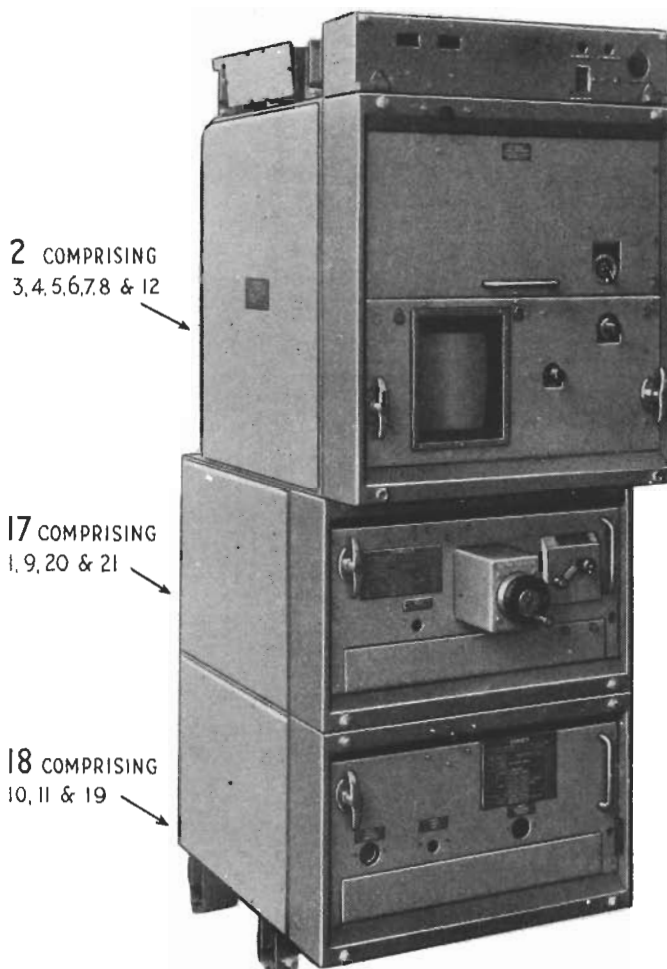
B.R.2162

ESTABLISHMENT LIST

E.933

INSTALLATION SPECIFICATION

B.629



2 COMPRISING
3, 4, 5, 6, 7, 8 & 12

17 COMPRISING
1, 9, 20 & 21

18 COMPRISING
10, 11 & 19

PANEL 48 - GENERAL VIEW