

DISPLAY OUTFIT JK

SUMMARY OF DATA

PURPOSE

Display Outfit JK is a projected P.P.I. display used in Aircraft Direction Rooms and Operation Rooms for air direction. It is used in conjunction with Type 281 series, 277 series, 960, 982 and 983.

POWER REQUIREMENTS AND CONSUMPTION

- 180V 500 c/s - 180 VA
- 230V 50 c/s - 3.5 kVA starting
- 2.1 kVA running
- 220V D.C. - 60 watts
- 22V D.C. - 44 watts

HEAT DISSIPATION

- Display Unit Design 6 - 1 kW
- Rack Assembly Type 109 - 1 kW

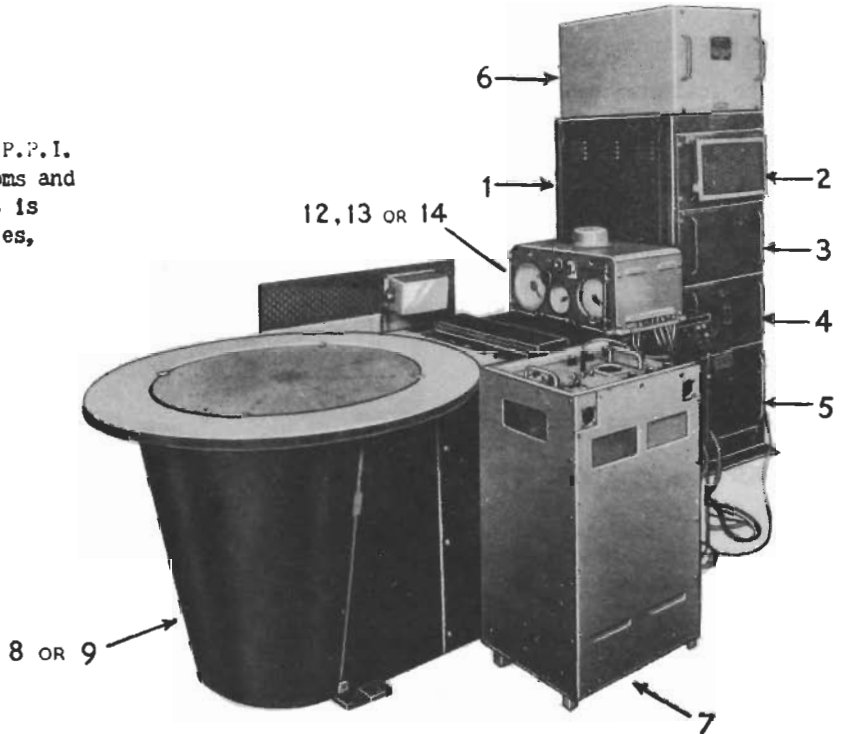
MAJOR UNITS

- | | |
|--|---|
| 1. A.M. Ref. 10AB/6238 Rack Assembly Type 109 | 7. Patt. W9419 Calibrator and Monitor Unit Des. 1 |
| 2. Patt. 55527 Supply Unit | 8. Patt. 53356A/B Display Unit Design 6 |
| 3. Patt. 55527 Supply Unit | or 9. Patt. 58371 Display Unit Design 18 |
| 4. A.M. Ref. 10KB/6081 Power Unit 559 | JK1M, JK2M, JK3M, JK4, JK5 |
| 5. A.M. Ref. 10KB/6020 Power Unit 517 | 10. Patt. 55009 Box Inducting Design 2 |
| 6. Patt. 58590 Rectifier Unit Design 94 | 11. Patt. 59141 Rectifier Unit Design 108 |
| JK1M, JK2M, JK3M/P, JK4, JK5 only | JK1M, JK2M and JK3M/P only |
| 12. Patt. W9553/A Aerial Changeover and Indicator Unit | JK1/M only |
| or 13. Patt. 58596 Aerial Changeover and Indicator Unit Design 2 | JK2/M, JK3/M only |
| or 14. Patt. 66690 Aerial Changeover and Indicator Unit Design 3 | JK3P, JK4 and JK5 only |

Notes. Items 2-5 are part of Item 1

PHYSICAL DATA

Patt. No. or A.M. Ref.	DESCRIPTION	PHYSICAL DATA			
		Height	Width	Depth	Weight
10AB/6238	Rack Assembly Type 109	5' 10"	1' 8 1/2"	2' 1"	3 1/2 cwt
W9419	Calibrator & Monitor Unit Des. 1	2' 3"	1' 1"	1' 5"	3 cwt
53356A/B	Display Unit Design 6)				
W9553/A	Aerial C.O. and Indicator Unit)				
or 58596	" " " " " Des. 2)	3' 6"	5' 9"	3'	2 cwt
or 66690	" " " " " Des. 3)			(dia. of screen)	



DISPLAY OUTFIT JK

BRIEF DESCRIPTION

Display Outfit JK known as "Skintron" consists of an optically projected form of P.P.I. display from a 3 in. cathode ray tube on to a 2 ft diameter translucent glass screen. Episcopic projection is employed, using light sources external to the tube. The echoes appear on the glass screen as dark images on a white background. The glass screen is marked with radial bearing lines and concentric range circles, and is used as a plotting and tracking surface.

REMARKS

The following table shows the different types of Display Outfit JK and when they are used:-

JK1	- Types 281, 277	switchable two way
JK1M	- Types 281B/BP, 277P/Q	" " "
JK2	- Types 281Bk, 277	" " "
JK2M	- Types 281Bk, 277P/Q	" " "
JK3	- Types 960, 277	" " "
JK3M	- Types 960, 277P/Q	" " "
JK3P	- Types 960, 277P/Q	" " "
	(for use with Auto Aligning Mk. 2)	
JK4	- Types 960, 277P/Q. 277P/Q	switchable three way
	(for use with Auto Aligning Mk. 2)	
JK5	- Types 960, 982, 983	switchable three way
	(for use with Auto Aligning Mk. 2)	

HANDBOOK

B.R. 1485(1)(2)(3)

ESTABLISHMENT LIST

E701

INSTALLATION SPECIFICATION

B325