DISPLAY OUTFIT JP3

SUMMARY OF DATA

PURPOSE

Display Outfit JP3 is a P.P.K. Display for use with a modified analog radar and is designed to transmit range and relative bearing to a rear-echelon computer.

BRIEF DESCRIPTION

The Display Outfit JP3 consists of a plan position indicator associated with a range and bearing unit which provides signals for the rear-echelon computer. A Sector Collector Unit, housed in the range and bearing unit, is part of the special outfit and is housed in the range and bearing unit purely for convenience.

MAJOR UNITS

- ND-AP 170541 - Celerator Indicator
- LRD-AP 173122 - Control Room Celerator
- 160-AP 172231 - Wiper Unit
- 160-AP 173931 - Indicator Plan Position
- 160-AP 173934 - Range and Bearing Unit
- 160-AP 122536 - Celerator Control Power Supply
- AP 25-4150 - Series Amplifier N.S. s.c.c.

PHYSICAL DATA

<table>
<thead>
<tr>
<th>Weight</th>
<th>100 lbs</th>
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<tbody>
<tr>
<td>Control Room Celerator</td>
<td>75 lbs</td>
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<tr>
<td>Range and Bearing Unit</td>
<td>100 lbs</td>
</tr>
</tbody>
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Dimensions Overall: 2 ft. 3 in. wide, 2 ft. 9 in. high, 2 ft. 2 in. deep

POWER REQUIREMENTS

150 V. 50 Hz or 220 V. 400 Hz at 450 W for Rectifier Unit. 200 V. d.c. or 240 V. a.c. for anti-echo suppression motors.

HEAT DISSIPATION

Display Outfit JP3: 450 W

ELECTRICAL CHARACTERISTICS

Type of Display: 8 inch diameter P.P.K. True north stabilized at 12 o'clock.

Ranges of Scan:
1. 600 yards at high or low p.r.t.
2. 10 600 yards at p.r.t. or low p.r.t.
3. 15 600 yards at two p.r.t.

Range Indication: positioning of a circle spot by means of a range beam, which

Bearing Indication: positioning of a cursor by means of a bearing handwheel.


Inputs: Sync and signal from Transmitter-Receiver Upper Type T74 ships

Equipment List: Circuit 200, Hy-Compass equipment. True bearing data.

Outputs: Magnetic range and relative bearing to computer.

HANDBOOK

Installation Specification

Type 1000 series - 2 B 21

REFERENCES

7.21.22