

RADAR PULSE SYNCHRONISING OUTFIT RSE

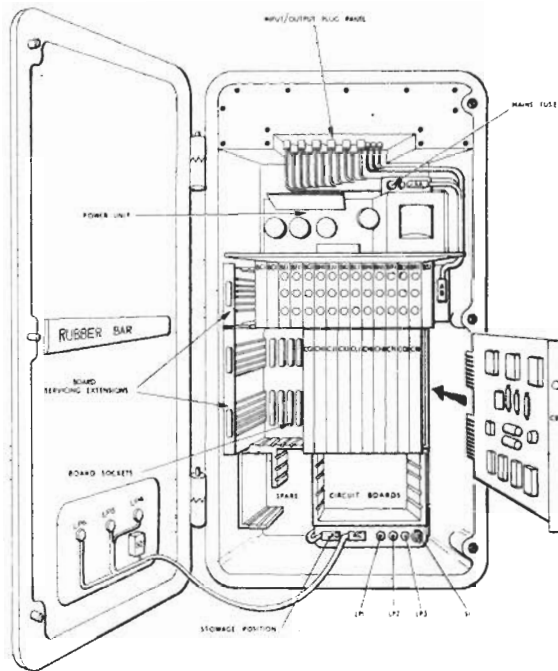
RSE

SUMMARY OF DATA

PURPOSE

To receive a staggered pulse from an MTI Radar (such as Type 9650/R) with a triple stagger P.R.F. and provide two modes of synchronisation for other radars, I.F.F. equipment, and Rx blanking unit R1S6, namely:-

- Mode 1 - True synchronisation, in which each of the master input intervals is divided into a number of equal parts.
- Mode 2 - 'Third Pulse' synchronisation, in which the whole triple stagger interval is divided into a number of equal parts.



BRIEF DESCRIPTION

All radars are slaved to (but are non synchronous with) Type 9650/R, except that if Type 901 is fitted the Type 978 is automatically slaved to Type 901; if Type 901 is not in use, Type 978 is slaved to Type 9650/R. Mode 1 may be unusable if the maximum and minimum P.R.Fs. exceed the limitations of the MTI Radar. The equipment provides for the selection of preferred input from one of two MTI radars (if fitted) having the same PRF, automatically selecting internal generation of identical P.R.Fs, if all Synchronising inputs were to cease. UNIT NORMAL lamps normally glow at half brilliance; full brilliance (and the ALARM lamp) indicates a fault. Construction is Solid State using positive logic. Maintenance is by unit replacement.

POWER SUPPLY

115 V, 60 Hz, single-phase, 100 W

ANTI CONDENSATION HEATERS

115 V, 60 Hz, single-phase, 35 W from a source maintained under all Conditions including when the ship is in Dockyard or shipbuilder's hands.

HEAT DISSIPATION

150 W approximately.

PHYSICAL DATA

Height	Width	Depth	Weight
2 ft 10½ in 87.63 cm	19 11/16 in 50 cm	9 1/16 in 23.02 cm	150 lb 68.04 kg

BR 333(1)  
Original

## RESTRICTED

### MAJOR UNITS

		<u>5840-99-521-1308</u>	<u>Cabinet, Electrical Equipment</u>
(P.E.C.)	4 OFF	1309	Generator, Pulse Code
(P.E.C.)	12 OFF	1310	Amplifier, Trigger Pulse
(P.E.C.)	1 OFF	1311	Generator, Clock Pulse
(P.E.C.)	4 OFF	1312	Generator, Jitter
	1 OFF	1313	Power Supply
(P.E.C.)	1 OFF	1314	Selector, Pulse Source
(P.E.C.)	1 OFF	1315	Converter, Waveform
(P.E.C.)	1 OFF	1316	Selector, P.R.F.
(P.E.C.)	1 OFF	1317	Alarm, Monitor
(P.E.C.)	1 OFF	2640	Selector Pulse
	1 OFF	2641	Extension, Circuit Connector
	1 OFF	2642	Extension, Circuit Connector

(P.E.C. = Panel Electronic Circuit)

### ESTABLISHMENT LIST

S1620

### HANDBOOK

BR 4118

### INSTALLATION SPECIFICATION

B1060