

**RADAR PULSE SYNCHRONISING OUTFIT RSD2**

**RSD2**

**SUMMARY OF DATA**

**PURPOSE**

Outfit RSD2 is a Radar Synchronisation Unit that provides synchronised output pulses at various time-modulated, repetition frequencies.

**CAPACITY**

Synchronisation of eleven radars, one I.F.F. equipment and Rx blanking equipment.

**P.R.Fs. OF ASSOCIATED EQUIPMENT**

Multiples of 190 p/s up to 6080 p/s.

**POWER REQUIREMENTS**

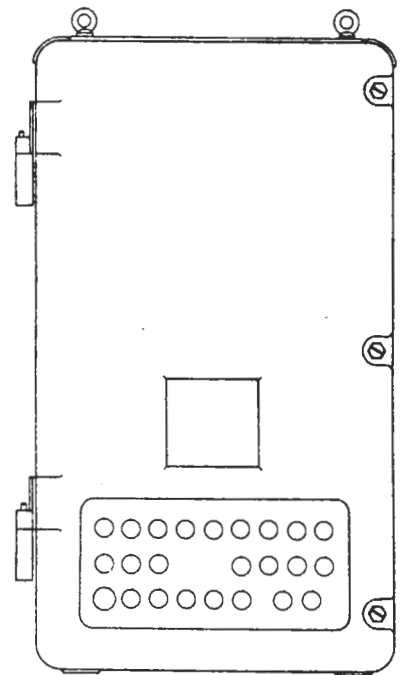
1. 115 V, 50/60 Hz, 0.8 A
2. 115 V, 50/60 Hz, 0.3 A (Anti-condensation heater)

**BRIEF DESCRIPTION**

The output radar trigger pulses are derived from a binary, count-down chain that is triggered by a master oscillator operating at 6080 p/s. This oscillator is frequency modulated with triangular waves and its output is time modulated with low frequency noise to provide a measure of anti-jamming.

**MAJOR UNITS**

- |         |                  |                                |
|---------|------------------|--------------------------------|
| 1 off   | 5840-99-519-3700 | Cabinet, Electrical Equipment  |
| 1 off   | 5840-99-917-4001 | Generator, Reference Signal    |
| 1 off   | 5840-99-917-4002 | Generator, Square Wave         |
| 1 off   | 5840-99-917-4003 | Generator, Sweep               |
| 4 off   | 5840-99-917-4004 | Frequency Divider              |
| 1 off   | 5840-99-917-4005 | Discriminator, P.R.F.          |
| 10 off* | 5840-99-917-4006 | Delay, Electronic              |
| 15 off* | 5840-99-917-4007 | Amplifier Trigger Pulse        |
| 2 off*  | 5840-99-917-4008 | Generator Pulse                |
| 1 off   | 5840-99-917-4009 | Generator, Noise               |
| 1 off*  | 5840-99-917-4010 | Converter, Waveform            |
| 1 off   | 5840-99-917-4011 | Monitor, P.R.F.                |
| 1 off   | 5840-99-519-3701 | Power Supply                   |
| 2 off   | 5840-99-917-4013 | Extension, Circuit Connector   |
| 1 off   | 5840-99-917-4014 | Box, Stowage                   |
| 1 off*  | 5840-99-917-4015 | Frequency Divider              |
| 1 off   | 5995-99-918-1188 | Cable Assembly Set, Electrical |
| 1 off   | 5840-99-519-1623 | Modulator Noise                |
| 9 off*  | 5840-99-924-1468 | Dummy Panel, printed circuit   |



**CABINET ELECTRICAL EQUIPMENT**  
5840-99-519-3700

\* Maximum Nos off quoted here. Refer to Part 3B Chapter 1 Table 1 for actual No. off and location of units for particular class of ship.

**PHYSICAL DATA**

	Weight	Width	Height	Depth
Cabinet Electrical Equipment	125 lb	18 in	33 in	9 in
Power Supply	13 lb	16½ in	5½ in	5 in
Box, Stowage	13 lb	17½ in	8¾ in	21¾ in
Cable Assembly Set, Electrical				
Remaining Units	4½ oz	1 in	4 in	5 in

**HANDBOOK**

BR 4119

**ESTABLISHMENT LIST**

E 1317

**INSTALLATION SPECIFICATION**

B 989