

OUTFIT RIS(6)

RIS(6)

SUMMARY OF DATA

PURPOSE

Outfit RIS(6) assists in the suppression of interference in Receiver Outfit CUJ and D.F. Outfit FU1 due to Radar Type 965/M.

BRIEF DESCRIPTION

The Outfit comprises a Drive Unit and a Suppressor Unit, Pulsed, the latter item being fitted inside the receiver. Also associated with the Outfit, but part of Type 965/M, is AP 164232 Trigger Unit. A 6.08 kHz sine wave output from the Trigger Unit is applied to the Drive Unit which amplifies it and contains a phase changing network giving a continuously variable 360° phase change between input and output. The Drive Unit output feeds the suppressor unit which generates a blanking pulse to desensitise the receiver i.f. amplifier for the duration of the radar transmitter pulse. The system provides protection of at least 70 dB; interference levels of up to 9.1 V at the receiver aerial being suppressed without degrading the receiver performance to any noticeable extent. Up to 20 receivers, each fitted with a Suppressor Unit, may be fed from one Drive Unit.



5895-99-418-1876 Drive Unit

ELECTRICAL CHARACTERISTICS

Frequency of Blanking Pulse 6.08 kHz
 Duration of Blanking Pulse 18 μs
 Interference Pulses 380 p.p.s. at 3.8 μs duration
 A facility is also provided for operation with a pulse duration of 10 μs at a p.r.f. of 190 p.p.s.
 Temperature Range -25 °C to +55 °C ambient.

MAJOR UNITS

| Item | Part. No. | Description | Physical Data | | | |
|------|------------------|--------------------------|---------------|-------|-------|--------|
| | | | Height | Width | Depth | Weight |
| 1 | 5895-99-418-1876 | Drive Unit | 11½ in | 8½ in | 9 in | 22 lb |
| 2 | 415-1168 | Amplifier A.F. (2-stage) | | | | |
| 3 | 415-1169 | Amplifier A.F. | | | | |
| 4 | 415-1170 | Stabiliser, voltage | | | | |
| 5 | 418-1779 | Suppressor Unit, Pulsed | 2½ in | 3⅞ in | 5½ in | 1½ lb |

NOTE: Items 2, 3 and 4 are contained in item 1.

POWER REQUIREMENTS

| | | | |
|----------|-------------------------|-----------------------------------|---|
| 418-1876 | Drive Unit | 115/230 V a.c. 1 φ 45-65 Hz 35 W. | } Derived from Receiver Power Supplies. |
| 418-1779 | Suppressor Unit, Pulsed | 255 V d.c. 15 mA | |
| | | 48 V d.c. 12 mA | |
| | | 6.3 V a.c. 0.45A | |

HANDBOOK

BR 2318

ESTABLISHMENT LIST

E1251

INSTALLATION SPECIFICATION

Addenda to 8865, 8877.