A 0.6 set for the control of the main armament in cruisers and above.

3200-3300 Hz/s.

8.68-9.29 mm.

600 W (peak)

500 pulses per second

0.5 micro seconds

60 Hz/s.

Wide (operational)

Narrow (for setting up local oscillator) - 20-25 Hz/s.

Aerial Outfit A8M = 13 horizontal (half field strength) 13 Vertical (half field strength)

Aerial Outfit A8D = 13 horizontal (half field strength) 20 Vertical (half field strength)

1800 500 sets 0.5 kW 200 V D.C. 1.25 kW (approx.)

200 50 sets 100 watts 20 V D.C. 90 watts (approx.)

Panel L30 1 kW

Panel L31 (B) 0.5 kW

Panel L31 (B.A.) 0.5 kW

A.L. Unit - 2.5 kW

UNITED OUTFIT OEE

Receiver PS4

Panel L30 (Receiving)

Rectifier Unit Den. 39

Oscillator G02

Amplifier M77

Amplifier M78

Gnomon Followor Unit B.A.1

Cabinet Ray Unit Swc. 19

Filter Unit 500 V 3 amp

Channel L31 (A.3) Upper Left

Oscillator G03

Panel L30

Time Base and Relay Unit Den. 1

MAJOR UNITS

TRANSMITTER AND RECEIVING

1. Patt. W70180 Panel SAW Modulating & Rectifying

2. Patt. W70180 Trigger Unit Design B

3. Patt. W70180 Slover Unit

4. Patt. W70180 Control Unit for Panel SAW

5. Patt. W70180 Discharge Line Unit 25 kV working

6. Patt. W70180 Spark Gap Adjustable B.A.1

7. Patt. W70180 Transmitter 98

8. Patt. W70180 Wave Detector 98

9. Patt. W70180 Oscillator G02A/B


12. Patt. W70180 Sound Distributing Single Phase A.C. 800
PHYSICAL DATA

Weight of T.S. apparatus (including modulator and receiver) displays and distribution boards = 169 cwt

Weight of modulator, receiver and distribution boards = 59 cwt

Weight of aerial outfit excluding reflectors = 58 cwt

ASSOCIATED AERIAL OUTFIT

Aerial Outfit ABS = fitted wherever practicable.

Aerial Outfit ARM = fitted where insufficient vertical height exists for Aerial Outfit ABS

The aerial consists of two cylindrical parabolic (sheet) reflectors each approximately 14' by 54" aperture mounted on the director control tower. Aerial Outfit ARM is stabilised in elevation. The aerial system is air conditioned and separate transmitting and receiving aerials are used in conjunction with an aerial switch unit.

ASSOCIATED POWER SUPPLY OUTFIT

A.C. Supply Outfit DRO = Ships fitted with type 2N4

A.C. Supply Outfit DWP = Ships fitted with 3 - Type 275, 28 kW is obtained from A.C. Supply Outfit DRO

A.C. Supply Outfit DWW = Ships fitted with type 2N4

(SEE RESPECTIVE SHEET OF DATA SHEETS)

ASSOCIATED TEACHER OUTFIT

Teacher outfit H8

BRIEF DESCRIPTION

Type 2N4 is a C.I. set using superheterodyne Type 250 and was designed as an integral part of the A.C. Fire Control System in order to provide an accurate range and bearing of a target also accurate range of fall of shot relative to target with estimation of line correction.

The set consists of separate transmitter and receiving aerials provided with transmitter fitted on the Director Control Tower. In the transmitting station, the receiver panel stands on top of the Modulator Panel and the range and spotting panel is situated close to the A.A. Fire Control Panel (A.F.C.T.) whilst the bearing panel is situated above the A.F.C.T. The Power Supply and Distribution Panels are also situated in the office.