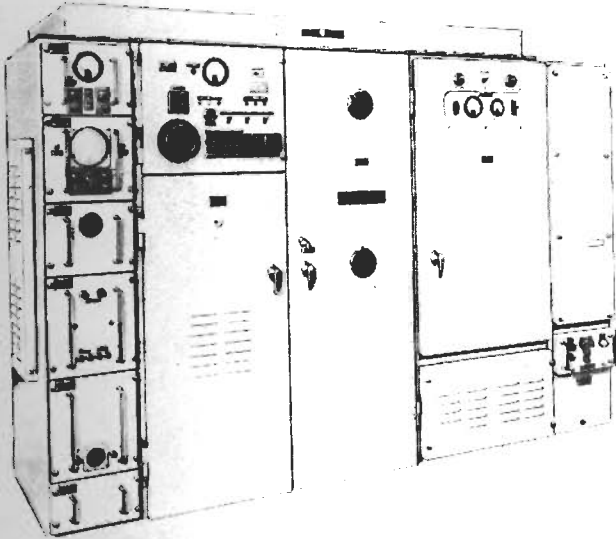


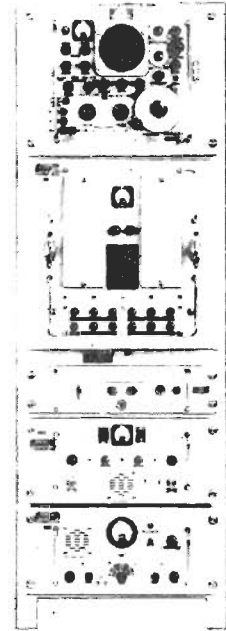
TYPE 965M/P

965M/P

SUMMARY OF DATA



TRANSMITTER - GENERAL



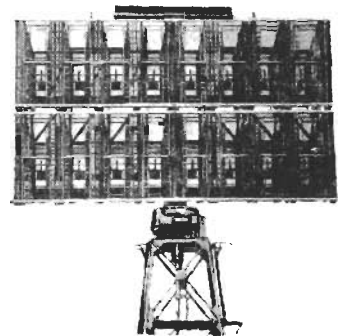
CABINETS (UPPER) POWER AND MONITOR
(LOWER) RECEIVER AND VIDEO

PURPOSE

Small Ships Aircraft Warning.

BRIEF DESCRIPTION

Type 965M/P is a long range aircraft warning radar designed primarily to be fitted in destroyers and frigates. A common aerial is used for the transmitter and receiver. These two items together with the office display unit (Monitor Unit Design 44) are situated below decks. Up to six remote P.P.I. displays may be fed with the present arrangement of cathode followers. Type 965M/P is also integrated with I.F.F. Mk. 10.



AERIAL OUTFIT AKE(2)

FREQUENCY

216-224 MHz

WAVELENGTH

1.4 metres (approx.).

POWER OUTPUT

450 kW

PULSE REPETITION FREQUENCY

200 or 400 p/s (nominally).

PULSE LENGTH

3.8 μ s and 10 μ s

AERIAL ROTATION SPEED

10 r.p.m.

INTERMEDIATE FREQUENCY

13.5 MHz

AERIAL BEAM WIDTH

Horizontal - 12^o
Vertical - 40^o(approx.)

RECEIVER BANDWIDTH

Long Pulse 120 kHz
Short Pulse 330 kHz

ASSOCIATED AERIAL OUTFIT

Aerial Outfit AKE(1) for 965M.
Aerial Outfit AKE(2) for 965P.

