

RESTRICTEDBR 333(1)
Original**AERIAL TUNING OUTFITS ETA(1) AND ETA(2)****ETA(1)**
ETA(2)**SUMMARY OF DATA****PURPOSE**

Outfit ETA(1) enables Aerial Outfit AWF(M), or other aerial outfits having similar impedance characteristics, to be matched to a feeder cable of 50 ohms impedance, using a remote control system.

Outfit ETA(2) enables Aerial Outfit ALN and Emergency Outfit AWJ to be matched to a feeder cable of 50 ohms impedance, using a remote control system.

BRIEF DESCRIPTION

The Outfit comprises a Base Tuner and a Power Supply. The Base Tuner, mounted at the base of the aerial, houses the variable components of the r.f. matching circuit, the tuning motors and drives which are controlled by a remote unit. (The remote unit is not part of Outfit ETA). Provision is made for local manual control. The Power Supply contains the transformer and rectifiers to supply the control circuits and the control circuit relay assemblies.

ELECTRICAL CHARACTERISTICS

The Base Tuner is capable of dissipating 800 watts. It will perform matching over the frequency range 1.5 MHz to 24 MHz, accepting an input of 1 kW p.e.p. (eg approximately 700 watts fst or 450 watts, 70% voice modulated carrier) between 2 MHz and 24 MHz. Below 2 MHz the input must be limited to 500 watts p.e.p. (eg approximately 250 watts, voice modulated carrier).

PHYSICAL DATA

	Height	Width	Depth	Weight
ETA(1) - (5985-AP 186747 Base Tuner (Flexwell) 5985-AP 186275 Base Tuner (Pyro)	35½ in	35 in	15 in	300 lb
ETA(2) - 5985-AP 186277 Power Supply	9 in	12 in	15 in	45 lb
5985-AP 186540 Base Tuner	48 in	35 in	15 in	305 lb
5985-AP 186555 Power Supply	9 in	12 in	15 in	45 lb

POWER REQUIREMENTS

Control Supply, Single phase a.c. 115/230 V, 48-62 Hz.
Load 120 VA continuous
360 VA short periods during tuning.
Heater Supply (anti-condensation) 115/230 V a.c. separate from control supply
Load 100 watts

HEAT DISSIPATION

Power Supply - less than 25 watts

HANDBOOKS

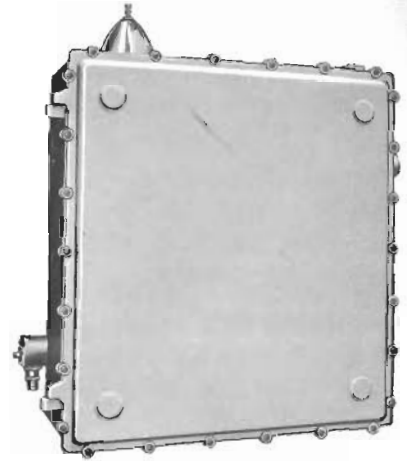
BR 2363
BR 2216 Cabinet H.F. Type 603/605 matching
ICS Handbooks
BR 2388

ESTABLISHMENT LIST

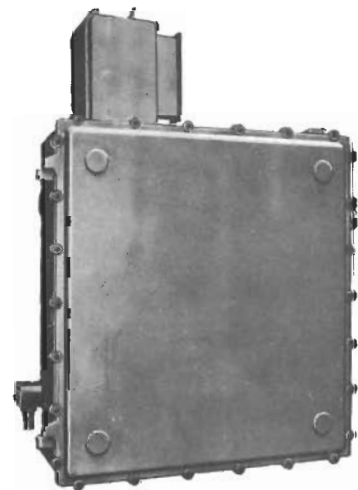
E 1325

INSTALLATION SPECIFICATION

B 948
ETA(2) B 954.



ETA(1) BASE TUNER



ETA(2) BASE TUNER

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