

RESTRICTEDBR 333(1)
Original**AERIAL EXCHANGE OUTFIT EY(2)
(ICS 1)****EY(2)****SUMMARY OF DATA****PURPOSE**

Outfit EY(2), fitted in conjunction with a common aerial Outfit and base-tuning outfits enables the outputs of 7 single drive transmitters each supplied to a plug of the (Transmitter) Aerial Exchange to be connected to aeriels supplied from the sockets of the exchange. When fitted for Triple Drive, 4 transmitter inputs provide 7 transmitter channels. Provision is made for the connection of six aeriels A1-A6:-

- A1 Up to 6 transmitters connected simultaneously via tunable Filters to the aerial.

Transmitters connected to aerial filter sockets may alternatively be connected to one of two external dummy loads.

- A2 }
A3 } One transmitter connected to each of the
A4 } base-tuned HF aeriels.
A5 }

- A6 One transmitter connected to the MF base-tuned aerial.

BRIEF DESCRIPTION

The outfit comprises a cabinet containing 7 flexible conduits terminated with the transmitter multi-pole plugs hanging conveniently for manual connection to the 11 aerial sockets. Association of a particular transmitter control equipment with the selected aerial circuits is effected by the multi-circuit connection of a plug and socket and by two groups of relays. The 4 relay units concerned with the transmitters are housed in the drawer, and 2 relay units concerned with the aeriels slide into the base of the cabinet. One coaxial switch in the drawer is driven by a motor of the rotary solenoid and ratchet type to perform the connection to dummy load.

MAJOR UNITS

- 5895-99-418-1395 { 5985-A.P.164606 } Aerial Exchange, Transmitter
5895-99-418-1259 { 5985-A.P.164718 } Relay Unit (4 in No.)
5895-99-418-1398 { 5985-A.P.164644 } Switch Unit, Coaxial (1 in No.)
5895-99-418-1381 { 5985-A.P.164623 } Relay Unit (2 in No.)

ELECTRICAL CHARACTERISTICS

The r.f. connections within the exchange are by UR.67 cable ($Z_0 = 50$ ohms).

PHYSICAL DATA

	Height	Width	Depth	Weight
5895-99-418-1395 Aerial Exchange, Transmitter	5 ft 6 in	2 ft 0 in	2 ft 3 in	

POWER REQUIREMENTS

Two suplys of 24 V d.c. at 5 amps (used as alternatives).

INSTALLATION SPECIFICATION

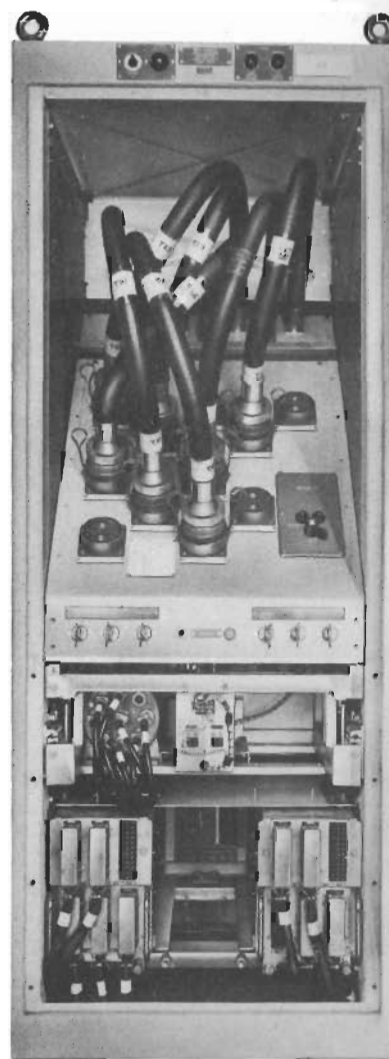
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HANDBOOKS

BR 2420(1)(2) Transmitter Aerial Systems for I.C.S.

ESTABLISHMENT LIST

E1304

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