

CONDITIONS OF RELEASE

(Applicable to copies supplied with War Office approval to Commonwealth and Foreign Governments)

1. This document contains classified UK information.
2. This information is disclosed only for official use by the recipient Government and (if so agreed by HM Government) such of its contractors, under seal of secrecy, as may be engaged on a defence project. Disclosure or release to any other Government, national of another country, any unauthorized person, the Press, or in any other way would be a breach of the conditions under which the document is issued.
3. This information will be safeguarded under rules designed to give the same standard of security as those maintained by HM Government in the UK.

STATION, RADIO, 128

TECHNICAL HANDBOOK - DATA SUMMARY

PART NO Z1/ZA 54520

ROLE

The equipment is a portable h.f. transmitter-receiver for use in airborne operations.

DESCRIPTION

The receiver is a superhet suitable for the reception of c.w., m.c.w. and r.t. signals. The transmitter,

which can only be used for c.w., is crystal controlled and can be matched to almost any antenna system likely to be used. A plug-in wander-light is supplied for use at night.

PHYSICAL DATA

Weight: 17.3/4 lb - complete equipment  
13 lb - less batteries  
Width: 12 in.  
Height: 15 in.  
Depth: 8.1/2 in. - closed. 19 in. - open

**CLIMATIC RANGE**

Temperature 0-50 deg C

**OPERATIONAL DATA**

Netting facilities are available which enable two or more stations working on the same frequency to be standardized.

**PERFORMANCE**

The equipment has a range of approximately 15-20 miles.

**ELECTRICAL DATA**

**Carrier frequency**

2-8Mc/s in two bands:-

Band 1: 2-4Mc/s  
Band 2: 4-8Mc/s

**Power levels**

Transmitter: Power output approximately 1W

Receiver: Sensitivity 15-40 $\mu$ V dependent on frequency giving >15dB signal-to-noise  
Output 1mW into 20k $\Omega$

**Antenna**

A single antenna wire of 100 ft is supplied wound on a bakelite card and stowed in the lower right-hand compartment.

**POWER REQUIREMENTS**

Qty 4	Y3/6135-99-910-1123	Battery, dry, h.t., 87.5V, No 1
Qty 1	Y3/6135-99-910-1138	Battery, dry, l.t., 1.5V, No 11
Qty 1	Y3/6135-99-910-1137	Battery, dry, l.t., 1.5V, No 14

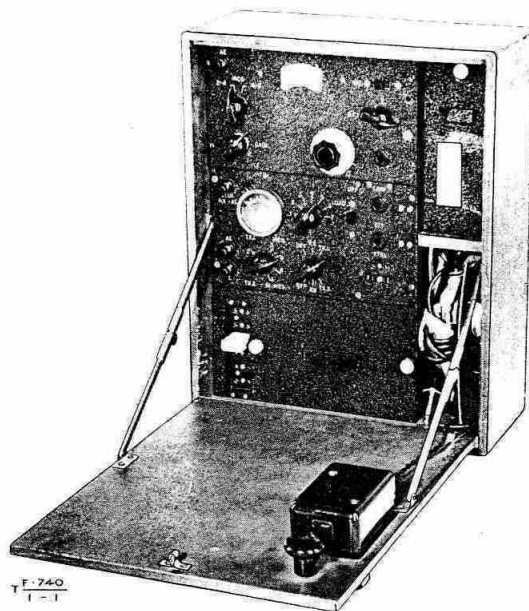


Fig 1 - Station, radio, 128