

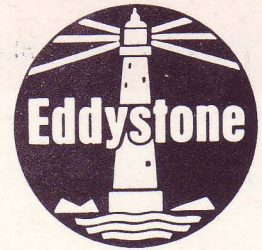
Eddystone Radio Limited

Member of Marconi Communication Systems Limited

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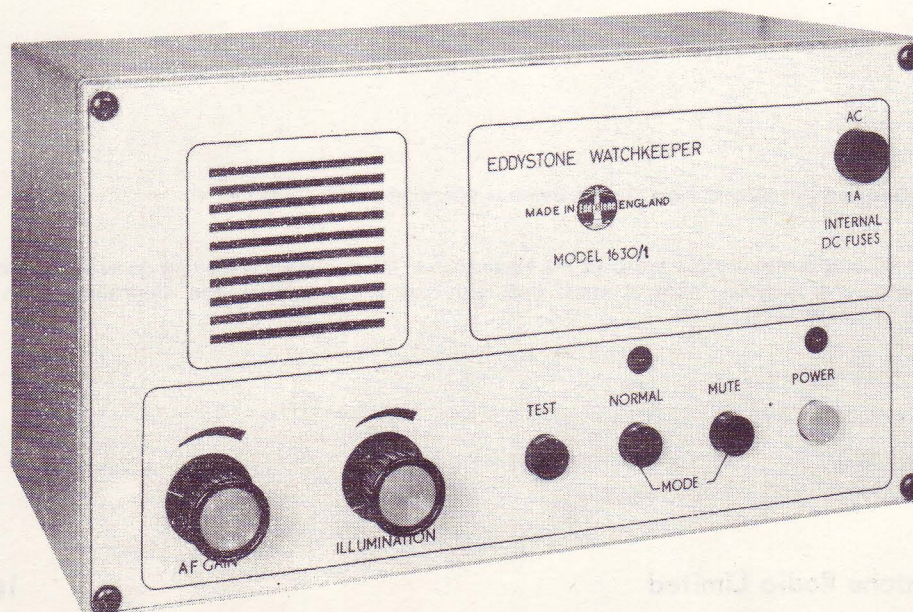


EDDYSTONE WATCHKEEPER

1630/1

Specification

Frequency	2182.0kHz.
Bandwidth/Selectivity	- 6dB Greater than ± 2.7 kHz -20dB Less than ± 6 kHz -60dB Less than ± 10 kHz
Modes of Reception	A2 A2H A3 A3H
Aerial Impedance	10R in series with 250pF
AF Output	1 Watt into internal or external loudspeaker.
Sensitivity	An input of $10\mu\text{V}$ emf modulated 30% will produce a SINAD of at least 10dB.
AGC	An increase of 80dB in input level above the threshold will cause a variation in output of less than 6dB.
Aerial Protection	Will withstand 30V emf over the range 10kHz - 28MHz.
Cross Modulation	A wanted signal of 1mV and an unwanted A2 signal of 32mV removed by 20kHz will produce products greater than -30dB below the reference output.
Blocking	A wanted A2 signal of 1mV and an unwanted signal of 100mV removed by 20kHz will not cause the output level to change by more than 3dB or reduce the SINAD by more than 6dB.
Intermodulation	Two unwanted signals of 10mV removed by at least 30kHz from the wanted signal of $32\mu\text{V}$ will produce an output less than that of the wanted.



Muting	<p>In the muted condition the receiver will respond only to:-</p> <ol style="list-style-type: none">1) Radio Telephone Alarm Signal (RTA)2) Navigation Warning Signal (NWS) <p>The mute may be disabled manually.</p> <p>When the mute is disabled the AF output is 'faded up' to its preset level.</p>
Test Alarm	<p>An internal two tone generator (RTA) may be enabled in order to check the operation of the mute circuit. These tones are audible when the mute is lifted.</p>
Power Supply	<p>100 - 120 or 200 - 250V 40 - 60Hz single phase AC or 24V DC.</p>
Design Specification	<p>Compliance with MPT 1223. (Performance Specification for a Radio-Telephone Distress Frequency Watch Receiver for use in Merchant Ships). Compliance with MPT 1204. (Climatic and Durability Testing of Marine Radio Equipment).</p>
Dimensions for bulkhead mounting style	<p>266mm wide 144mm high 115mm deep</p>

Our equipment is designed generally to meet "British Defence Specification 133 Class L2".

As we are always seeking to improve our products, the information in this document gives only general indications of product capacity, performance and suitability, none of which shall form part of any contract. The information herein is subject to confirmation at the time of ordering.