## VALVE ELECTRONIC CV 472

## ADMIRALTY SIGNAL ESTABLISHMENT

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Specification Dated: 4.12 To be read i	SECURITY Specn. Valve. Restricted Unclassified									
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TYPE OF VALV	MARKING See K1001/4.									
CATHODE:-	BASES									
	B4									
ENVELOPE:-	See K1001/AIV/D5.1									
ENVELOPE:- Glass. PROTOTYPE:- CMG25 (Short)				Pin	Electrode					
				1 Anode 2 Cathode						
						nnection				
RATING				4		nnectio				
	Marie Control of Contr						engan opposite the second second			
				DIMENSIONS See K10C4/D1.						
Min. Extinguishing										
Voltage	(V)	100	A	Dimension		Min.	Max.			
Working Voltage (V)		80-110	В	A.mm B.mm		85.5	95.5 26			
Min. Sensi- tivity (uA/lumen) 75				M mm M• mm N mm		64	20			
		75				-	<b>3</b> 6			
						13	465.			
				PACKAGING						
See K						K1005.				
	NOTE TH	HE FOLLOW	ING GENER	ral r <b>e</b> qui	REMENT	S.				
A. The extinguishing voltage shall never be less than 20 V above the rated working voltage of the cell.										
В. Т										
	he spectral normal publ									

silver cathode, or of an approved alternative cathode.

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## TESTS

To be performed in addition to those applicable in K1004

			Lim	its	No.						
	Test Conditions	Test	Min.	Max.	Tested	Note					
a	Suitable light flux to be incident on the cathode  Va = x V. (i.e. working voltage).	Sensitivity (uA/lumen)	75	<b>***</b>	100%	1.2					
ъ	Va = x V. Cell shielded from all sources of light.	Ia (niA)	-	0.1	100%						
* C	Suitable light flux to be incident on the cathode.  Va = x + 10 V.	After 30 secs read Ia (= y/uA say) After further 60 secs Ia (uA)		y+10%	100%	1					
đ	Cell shielded from all sources of light Va = x + 10 V.	Ia (nA)		0.2	100%						
<b>→</b> e	Cell shielded from all sources of light Increase Va to x + 20 V.	Ia (AIA)		0.2	100%						
<b>&gt;</b>	NOTES  1. A suitable light flux for testing is 0.04 lumen.  See also K1004/2.4.  2. The working voltage 'x' (also referred to in Note  B), is selected by the manufacturer, within the limits 80-110 V, such that the conditions of tests 'a', 'b', and 'c' are fulfilled.  3. All of the above tests will be carried out with a load resistance of not less than 0.1 megohm in the anode circuit.										