

VALVE ELECTRONIC

**CV979**

ADMIRALTY SIGNAL ESTABLISHMENT

Specification AD/CV979/Issue 3. Dated 17.6.47. To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Unclassified

<u>TYPE OF VALVE:-</u> Thermal Delay Switch, (Vacuum Type).  <u>ENVELOPE:-</u> Glass.  <u>PROTOTYPE:-</u> DLS10, (Mazda).	<u>MARKING</u> See K1001/4.
	<u>BASE</u> B4 See K1001/AIV/D5.

<u>RATING</u>		Note	Pin	Electrode
Heater Voltage (V)	4.0			1
Heater Current (A)	1.5	2		Switch contact
Time Delay (seconds)	60-120	3		Heater
		4		Heater
<u>CURRENT RATING OF SWITCH CONTACTS</u>			<u>DIMENSIONS</u>	
(i) at 250 V D.C. (A)	6	A	See K1001/AI/D1.	
(ii) at 1000 V D.C. (mA)	200	A	Dimension	Min.      Max.
			A mm	-      150
			B mm	-      50
			<u>PACKING</u> See K1001/7.	

NOTES

- A. The switch contacts are for closing a circuit only and are not designed to break contact when current is flowing.

TESTS

To be performed in addition to those applicable in K1001.

	Test Conditions		Test	Limits		No. Tested
	Vh (V)	Volts across switch contacts (V)		Min.	Max.	
a	4.0	0	Ih (A)	1.25	1.75	100%
b	4.0	240 V A.C. or D.C. through limiting resis- tance to give 6.0 A when switch contacts are closed.	i Time Delay (secs)	60	120	100%
			ii There must be no evidence of breakdown during 1 min. operation.			100%
			iii Tapping with the fingers to simu- late vibration likely to be met in operation must produce no inter- mittency of con- tact.			100%
c	4.0	1000 V A.C. or D.C. through a suitable pro- tective resis- tance.	i There must be no evidence of breakdown or un- satisfactory operation while the contacts are closing.			100%
			ii Tapping with the fingers when contacts are closed must pro- duce no inter- mittency of con- tact.			100%