

Specification MAP/CV190/Issue 3 Dated 16.1.49 To be read in conjunction with K1001 ignoring clauses: 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> RESTRICTED	<u>Valve</u> UNCLASSIFIED

→ Indicates a change

<u>TYPE OF VALVE</u> - Thermal delay switch (vacuum type)			<u>MARKING</u> See K.1001/4		
<u>ENVELOPE</u> - Glass			<u>PACKING</u> See K.1005		
<u>PROTOTYPE</u> - DLS 10			<u>BASE</u> B.4.		
<u>RATING</u>		Note	<u>CONNECTIONS</u>		
Heater Voltage (V)	4.0		Pin	Electrode	
Heater Current (A)	1.5		1	Switch Contact	
Time Delay (secs.)	75		2	Switch Contact	
<u>CURRENT RATING OF SWITCH CONTACTS</u> (i) at 250V. D.C. 6A A (ii) at 1000V. D.C. 200 mA. A			3	Heater	
			4	Heater	
			<u>DIMENSIONS (mm.)</u> See K.1001/A1/D.1		
				Min.	Max.
			A	-	150
		B	-	50	

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 K.1001.

Clause		Test Conditions	Test	Limits		No. Tested
				Min.	Max.	
	Vh	Volts across switch contact				
a	4.0	0	Th (A)	1.25	1.75	100% or S
b	4.0	240V. A.C. through limiting resistance to give 6.0 A when switch contacts are closed.	(i) Delay time (secs.) (ii) There must be no evidence of breakdown during 1 min. operation. (iii) Tapping with the fingers to simulate vibration likely to be met in operation must produce no intermittency of contact.	30	120	100% 100% 100%
c	4.0	1000V. A.C. through a suitable protective resistance.	(i) There must be no evidence of breakdown or unsatisfactory operation while the contacts are closing. (ii) Tapping with the fingers when the contacts are closed must produce no intermittency of contact.			100% 100%
d	4.0	0 The switch must pass the above tests at intervals of 100 hrs.	(i) Life (hours) (ii) Delay time at end of 1000-hour life (secs).	1000 30	- 180	1% 1%