

Specification MOS/CV1314/Issue 3 Dated 7.11.45 To be read in conjunction with K1001, ignoring clauses:- 5.2, 5.8.	<u>SECURITY</u>	
	<u>Specification</u> Restricted	<u>Valve</u> Restricted ←

→ indicates a change

<u>TYPE OF VALVE:- Thermal Delay Switch</u> (Vacuum type)		<u>MARKING</u>	
<u>ENVELOPE:-</u> Glass <u>PROTOTYPE:-</u> DLS 10		See K1001/4 ←	
<u>RATING</u>		<u>BASE</u>	
		B4	
		Note	
Filament Voltage (V)	4.0	Pin	Electrode
Filament Current (A)	1.5	1	Switch contact
Time Delay (secs)	50 - 120	2	Switch contact
Current rating of switch contacts		3	Filament
(i) at 250 V D.C. (A)	6.0	4	Filament
(ii) at 1000 V D.C. (mA)	200		
		<u>DIMENSIONS</u>	
		See K1001/AI/D1	
<u>NOTES</u>		Dimension	Min Max
A. The switch contacts are for closing a circuit only and are not designed to break contact when current is flowing.		A mm	- 150
		B mm	- 50

To be performed in addition to those applicable in K1001

	Test Conditions		Tests	Limits		No. tested
				Min	Max	
a	Vf	Volts across switch contacts	If (A)	1.25	1.75	100% or S
	4.0	0				
b	4.0	240 V A.C. thru 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 not produce intermittent operation of contact.	50	120	100% 100% 100%
c	4.0	0 The switch must pass the above tests at intervals of 100 hrs	(i) Life (hours)	1000	-	0.1% (4)
			(ii) Delay time at end of 1000 hrs life. (secs)	50	180	