VALVE ELECTRONIC **CV979**

ADMIRALTY SIGNAL ESTABLISHMENT

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

**TYPE OF VALVE:-** Thermal Delay Switch, (Vacuum Type).

**ENVELOPE:-** Glass.

**PROTOTYPE:-** DLS10, (Mazda).

**MARKING**

See K1001/4.

**BASE**

B4

See K1001/AIV/D5.

| RATING | | Note |
|---|---|---|
| Heater Voltage (V) | 4.0 | |
| Heater Current (A) | 1.5 | |
| Time Delay (seconds) | 60-120 | |
| CURRENT RATING OF SWITCH CONTACTS | | |
| (i) at 250 V D.C. (A) | 6 | A |
| (ii) at 1000 V D.C. (mA) | 200 | A |

| Pin | Electrode |
|---|---|
| 1 | Switch contact |
| 2 | Switch contact |
| 3 | Heater |
| 4 | Heater |

**DIMENSIONS**

See K1001/AI/D1.

| Dimension | Min. | Max. |
|---|---|---|
| A mm | - | 150 |
| B mm | - | 50 |

**PACKING**

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 resistance to give 6.0 A when switch contacts are closed. | i Time Delay (secs)<br>ii There must be no evidence of breakdown during 1 min. operation.<br>iii Tapping with the fingers to simulate vibration likely to be met in operation must produce no intermittency of contact. | 60 | 120 | 100%<br>100%<br>100% |
| c | 4.0 | 1000 V A.C. or D.C. through a suitable protective resistance. | i There must be no evidence of breakdown or unsatisfactory operation while the contacts are closing.<br>ii Tapping with the fingers when contacts are closed must produce no intermittency of contact. | | | 100%<br>100% |