

### INTRODUCTION

The MA2235A/MA2235B cooling modules are designed to air-cool the e2v range of medium size metal envelope thyratrons. The MA2235A is fitted with a 110 V 40 W fan and the MA2235B with a 220 V 40 W fan.

The cooling system consists of a thyratron mounting flange assembly, grid connectors, upper and lower plastic air ducts and a fan. The upper air duct is removable for installation of the thyratron and has a slot for thyratron grid connectors. The lower air duct has a hole for the thyratron heater, reservoir and (where applicable) replenisher leads.

To prevent the thyratron overheating, a fan stop detection device (see Fig. 1) is fitted to the lower plastic duct above the fan. This consists of a vane-operated reed switch, the contacts of which must be connected to the control circuitry so that all power (high voltage and thyratron heater supplies) is removed from the thyratron in the event of air flow reduction or stoppage. The contacts of the switch are closed when the fan is operating correctly and open in the event of air flow failure.

Nominal mains power supply voltage:

MA2235A.....	110	Vac
MA2235B.....	220	Vac
Ambient temperature.....	0 to 60	°C
Weight.....	3.6	kg

### Maximum electrical contact ratings for reed switch:

	AC	DC	
Voltage.....	240	120	V
Current.....	0.6	0.6	A
Power (resistive load).....	25	25	W

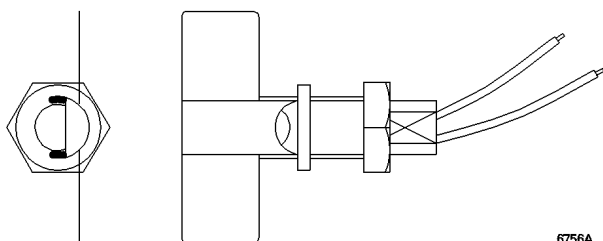
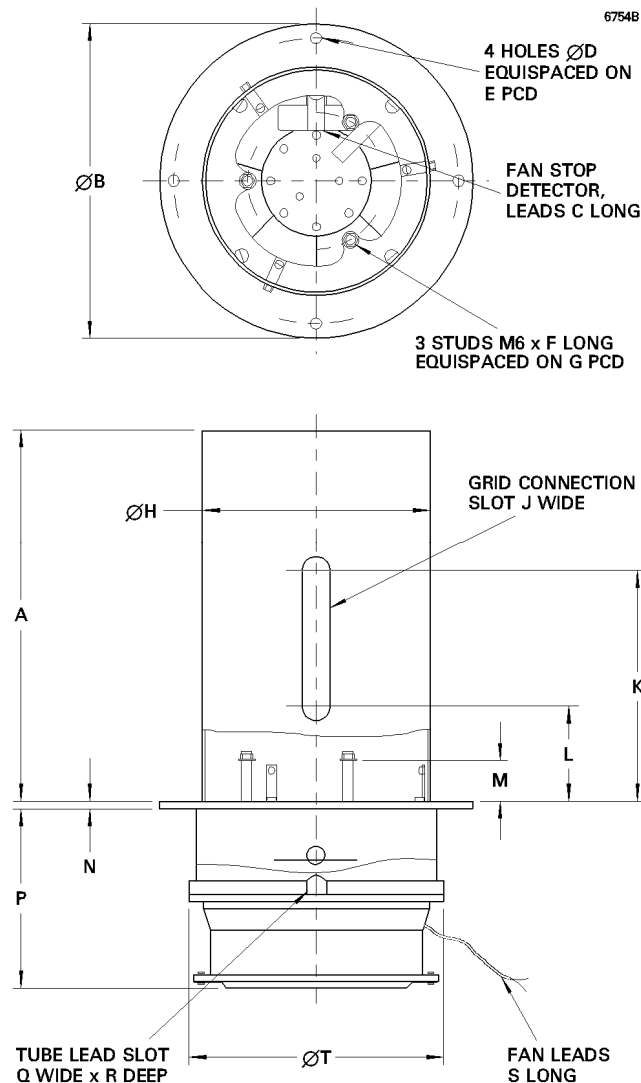


Fig. 1. Fan stop detection device

### OUTLINE

(All dimensions without limits are nominal)



Ref	Millimetres	Ref	Millimetres
A	260.0	K	164.0
B	220.0	L	70.0
C	450.0 min	M	28.4
D	7.0	N	4.75
E	200.0	P	138.0 max
F	13.0	Q	16.0
G	95.25	R	16.0
H	160.0	S	254.0 min
J	19.05	T	181.0 max

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e2v technologies (uk) limited, Waterhouse Lane, Chelmsford, Essex CM1 2QU United Kingdom Holding Company: e2v technologies plc

Telephone: +44 (0)1245 493493 Facsimile: +44 (0)1245 492492

Contact e2v by e-mail: [enquiries@e2v.com](mailto:enquiries@e2v.com) or visit [www.e2v.com](http://www.e2v.com) for global sales and operations centres.