Chapter 40

SWITCH, THERMAL, TYPE 2A, No. 1 (ROTAX D 6209)

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LIST OF ILLUSTRATIONS

LEADING PARTICULARS

Switch, thermal, Type 2A, No. 1	Stores Ref. 5CW/4408
Relay Coil	
Nominal resistance (20 deg. C)...	219 ohm.
Maximum voltage	29 volt d.c.
Minimum operating voltage (cold)	16 volt d.c.
Coil current (at 29 volt)...	0·132 amp. (nominal)
Overall dimensions	
Length	3·437 in.
Width	2·500 in.
Height	2·328 in.
Weight	10 oz.
Terminal connection	
Socket	19 amp.
Ferrule	4 amp.
Fixing holes (2)	
Centres	1·625 in.
Diameter	0·203 in.

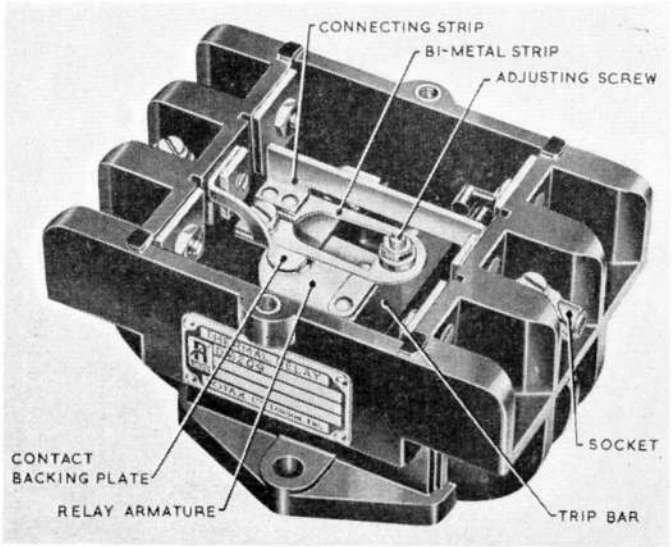

Fig. 1. Type 2A, No. 1 thermal switch, with cover removed

Introduction

1. This switch functions as a thermal overload relay, and, in common with others in the D6200 series, is used to provide thermal overload protection in aircraft circuits. It is intended to be installed in a 120 volt single line d.c. circuit.

DESCRIPTION

2. The Type D6209 thermal switch (*fig.* 1) is similar in construction to those described in A.P.4343, Vol. 1, Sect. 11, Chap. 6. Operating from a single line d.c. supply, the unit has only one central connection strip and bi-metal assembly, the latter being connected between terminals L2 and B.

3. Information covering the functioning and servicing of the unit will be found in the above mentioned chapter. A diagram of internal connections is shown in fig. 2.

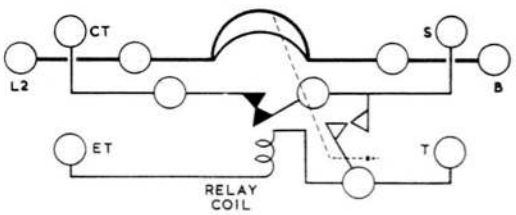

Fig. 2. Diagram of internal connections

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