

Chapter 6

SWITCH, MAGNETIC, TYPE 4A, No. 1 (ROTAX D6104)

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LEADING PARTICULARS

Switch, magnetic, Type 4A, No. 1	...	Stores Ref. 5CW/4381
Operating coil voltage	...	16 to 29 volts d.c.
Minimum hold-on voltage	...	12 volt d.c.
Contact rating	...	50 amp. continuous 650 amp. peak
Rating	...	Continuous
Electrical connections		
Contacts	...	Two $\frac{1}{2}$ in. B.S.F. terminals
Coil	...	Two 2 B.A. terminals
Mounting	...	Two holes 0.234 in. dia., spaced 3 in. at centres
Weight	...	$3\frac{1}{4}$ lb.

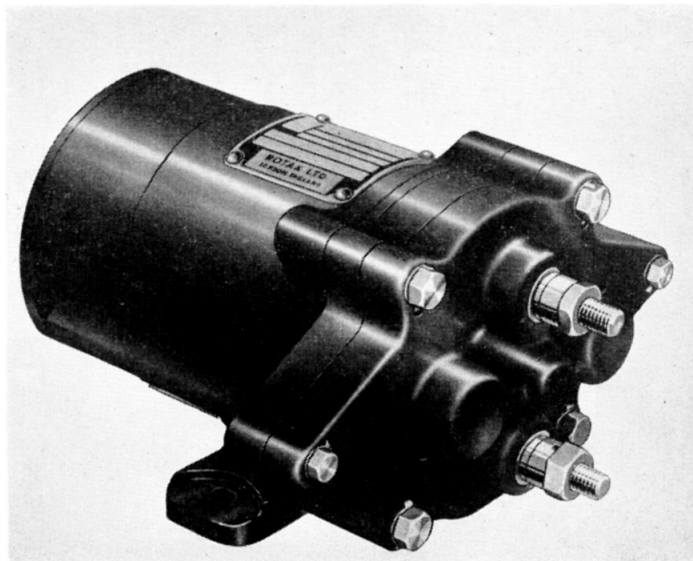


Fig. 1. Type 4A magnetic switch

Introduction

1. The Type 4A, No. 1 magnetic switch is a single pole relay intended for continuous use for general purposes on circuits carrying up to 120 volt. d.c. The operating coil supply must be 16 to 29 volt. d.c. If this switch is used on 112 volt systems, it must be insulated from the airframe.

DESCRIPTION

2. This unit is constructed as described for the D 6100 series (A.P.4343, Vol. 1, Sect. 11, Chap. 5) and includes the economy coil, economy switch, and arcing contacts described.

SERVICING

3. Servicing for this unit is as described for the D 6100 series. The values in the operational check effected by the economy coil are given below.

- (i) The switch must close when 16 volts are applied to the coil terminals.
- (ii) The switch must remain closed until the voltage at the coil is reduced to 12 volts or below.

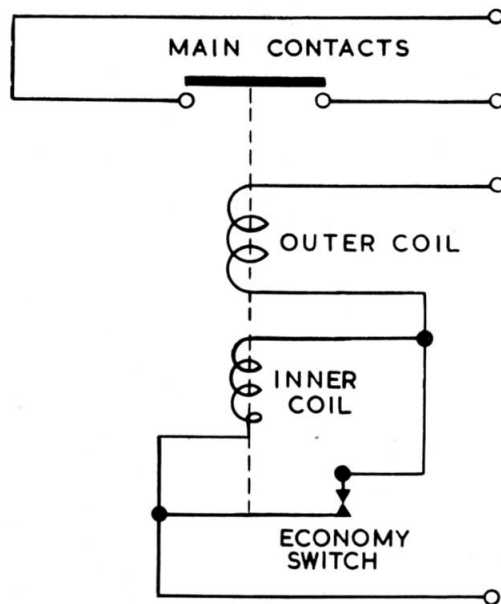


Fig. 2. Wiring diagram