Chapter 91

RELAY, TEDDINGTON, TYPE FDN/A/380

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LIST OF ILLUSTRATIONS

LEADING PARTICULARS

Relay, Type FDN/A/380	*Stores Ref. 5CW/*
Operating voltage	*13 to 29 volts d.c.*
Contact rating	*3 amp. at 24 volts*
Coil resistance at 20 deg. C	*125 ohms ± 9 ohms each coil*
Current consumption	*0·2 amp.*
Overall dimensions	*2·7 in. × 0·875 in. × 2·08 in.*
Weight	*8 oz.*

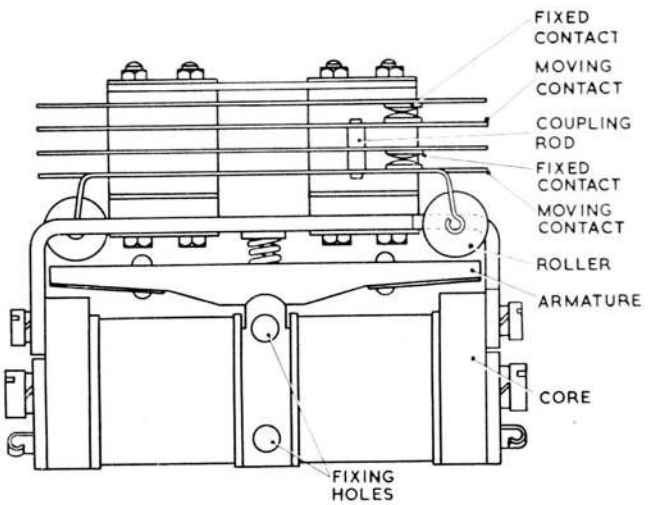

Fig. 1. Relay, Type FDN/A/380

Introduction

1. The relay, Type FDN/A/380, is a double-wound relay with two sets of normally-open contacts. One application is to energize the appropriate field of the trim control actuator.

DESCRIPTION

2. This relay (*fig.* 1) incorporates two separate windings on a common core, arranged to attract one end or the other of an armature which rocks on a fulcrum at the centre of the core.

3. Two sets of normally-open leaf-spring contacts are fitted, one set at each side, one only being visible in fig. 1. Energizing of the coil on one side will attract the armature towards the core on that side, causing the contacts on the other side to close, and vice versa.

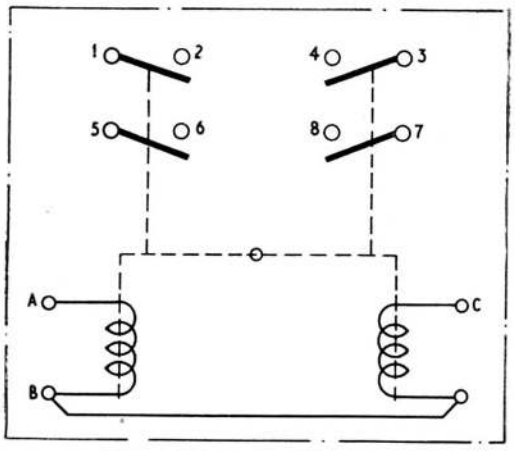

Fig. 2. Circuit diagram

4. A circuit diagram is given in fig. 2. Electrical connection to the coils is made to tags A, B, and C on the ends of the relay; connection to the contacts is made to tags underneath the base.

INSTALLATION

5. The relay may be mounted in any convenient position by means of the two fixing holes provided.

SERVICING

6. All contacts should be clean and free from grease; the contact gap should be not less than 0·025 in.

7. The relay coils are continuously rated at 29 volts d.c., but the relay should operate when a voltage of 13 volts d.c. is applied to the appropriate coil.