

## Chapter 90

# MAGNETIC SWITCH, TYPE 11B (B.T.H. LBA99-B3/I)

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### LEADING PARTICULARS

<b>Magnetic switch, Type 11B</b> ... ..	Stores Ref. 5CW/4785
Operating voltage ... ..	28 volts d.c.
Continuous rating ... ..	10 amp. at 28 volts d.c.
Coil resistance at 20 deg. C. ... ..	64 ohms
Overall dimensions ... ..	5.01 in. × 1.48 in. × 2.1 in.
Weight ... ..	1 lb. 11 oz.

#### Introduction

1. The magnetic switch, Type 11B, is a single-pole change-over switch for use in circuits where the current does not exceed 10 amp.

#### DESCRIPTION

2. A sectional view of the switch is given in fig. 1, and the circuit diagram in fig. 2. The armature is linked by pivoted levers to a contact carrier, which carries the spring-loaded moving contact bars bridging the pairs of fixed contacts. When the coil is energized, the armature is attracted to the core, thus breaking the even-numbered contacts and making the odd-numbered contacts. When the coil is de-energized, the

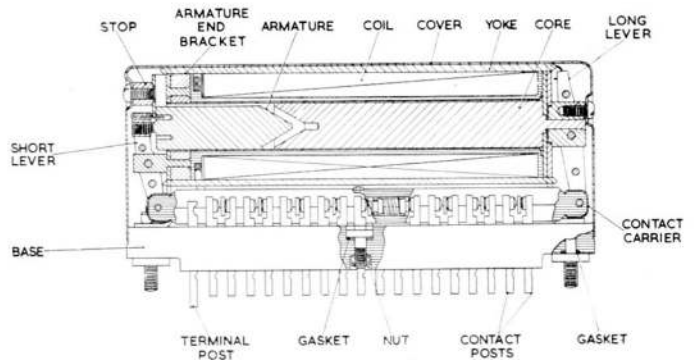


Fig. 1. Magnetic switch, Type 11B

contact carrier returns by spring pressure to the unoperated position.

3. Electrical connection is made to contact posts underneath the base. The unit is mounted by means of four 4 B.A. studs.

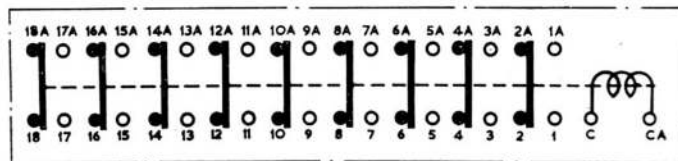


Fig. 2. Circuit diagram

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