

## Chapter 19

### MICRO SWITCH, TYPE DN 1077Z

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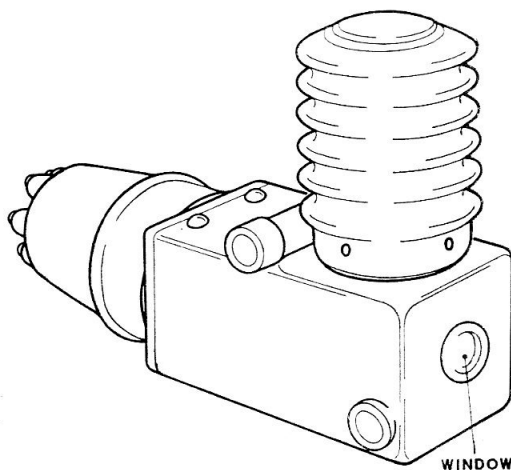
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**Fig. 1. Micro switch, Type DN 1077Z**

F.S./1

#### Introduction

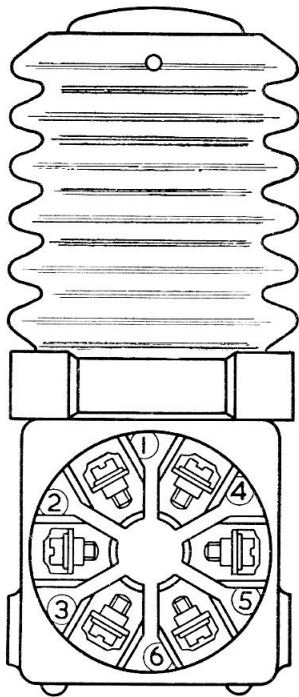
1. The micro switch, Type DN 1077Z is described in this chapter. The various Marks differ as detailed in Leading Particulars of Appendix 1.

#### DESCRIPTION

2. A general view of the switch is shown in fig. 1. It is designed for operation on d.c. or a.c.; at 30-volts d.c. or 120-volts, 50 c/s a.c., the contacts will carry a non-inductive load of 5 amp. per contact.

3. The switch has six 6 B.A. terminal screws as shown in fig. 2 and may be fitted with one of four types of rubber weatherproof cable entry grommet. The case is hermetically sealed and the moisture indicating window

**RESTRICTED**



**Fig. 2. Terminal arrangement**

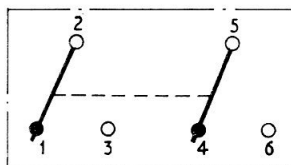
changes from blue to pink with the ingress of moisture into the case.

### **INSTALLATION**

4. The switch will accept insulated crimped terminals of  $\frac{9}{32}$  in. tongue width.

### **SERVICING**

5. Little servicing is possible on this switch apart from checking security of fixing and freedom from damage. A switch with the moisture indicating window coloured pink, indicating ingress of moisture, must be renewed.



**Fig. 3. Circuit diagram**

## Appendix 1

### LEADING PARTICULARS

#### General

<i>Free movement</i>	...	...	...	...	0.055 in. max.
<i>Overtravel</i>	...	...	...	...	0.230 in. min.
<i>Oblique loading</i>	...	...	<i>Up to 25° from centre line of button</i>		
<i>Differential...</i>	...	...	...	0.020 in. max., 0.006 in. min.	
<i>Overall dimensions</i>	...	...	...	3.73 in. × 1.18 in. × 2.88 in.	

#### Type

Type	Ref. No.	Load to operate	Load at maximum travel
DN 1077Z Mk. 1	—	10.5 lb. max.	25 lb.
DN 1077Z Mk. 2	—	13 lb. max.	27 lb.
DN 1077Z Mk. 3	—	25 lb. max.	48 lb.