Chapter 24

LEVER SWITCH, TYPE C1223Y

LIST OF CONTENTS

LIST OF ILLUSTRATIONS

LEADING PARTICULARS

Type	Stores Ref.	Application	Hand	Weight (oz.)	Dimensions
C1223Y, Mk. 5	5CW/4214	Flaps	Left	4·1	2·25 in. × 1·62 in. × 5·15 in.
C1223Y, Mk. 6	5CW/4309	Bomb doors	Left	4·1	2·25 in. × 1·62 in. × 4·84 in.
C1223Y, Mk. 12	5CW/4679	Cabin heating	Left	4·1	2·25 in. × 1·62 in. × 5·15 in.
C1223Y, Mk. 13	5CW/4502	Scanner	Left	4·1	2·25 in. × 1·62 in. × 5·15 in.
C1223Y, Mk. 15	5CW/5119	Flaps	Left	4·1	2·25 in. × 1·62 in. × 4·68 in.
C1223Y, Mk. 16	5CW/5260	Flaps	Left	4·1	2·25 in. × 1·62 in. × 5·15 in.

Introduction

1. The lever switch, Type C1223Y, is a multi-position selector switch for the control of various aircraft electro-hydraulic systems. A list of the Marks covered is given in Leading Particulars, where the application of each is indicated.

DESCRIPTION

2. A general view of a typical switch of this range, the Type C1223Y, Mk. 5, is shown in fig. 1; details of the various Marks are given in fig. 2. The switch is a single-pole selector, connecting one common terminal to any one of a number of individual terminals. The lever has a total angular travel of 60 deg., and may be fitted with one of various designs of handle.

3. The switch is fully weatherproofed, including a synthetic rubber diaphragm which accommodates the movement of the lever. Thus any moisture which enters the shroud aperture escapes through an opening without penetrating to the electrical parts. A detent arrangement facilitates selection of the various positions, which in certain instances have a gate notch for positive locking.

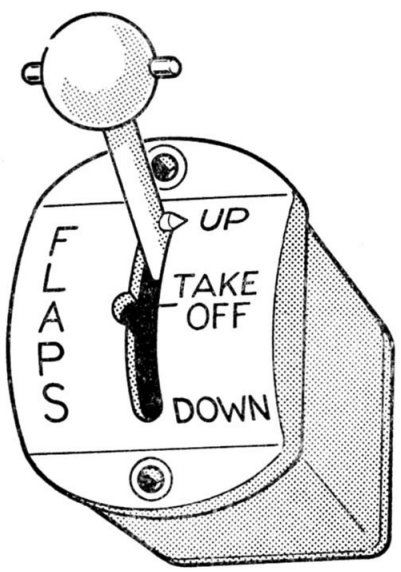


Fig. 1. Lever switch, Type C1223Y, Mk. 5

(A.L.32, Aug. 55

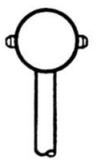
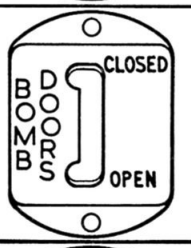
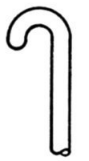
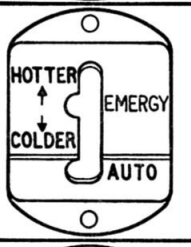
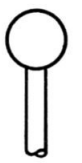
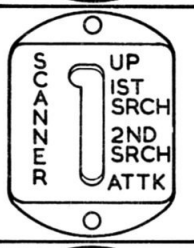
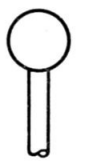
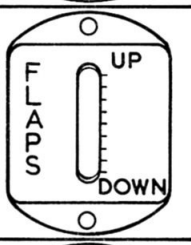
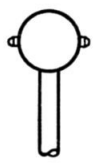
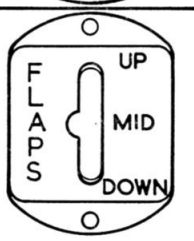
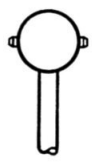
MARK	NO. OF POSITIONS	GATE AND ENGRAVING	HANDLE	TERMINAL NUMBERS
5	3			COMMON 1 UP 9 TAKE OFF 6 DOWN 3
6	2			COMMON 1 CLOSED 9 OPEN 3
12	4			COMMON 1 AUTO 3 COLDER 5 EMERGENCY 7 HOTTER 10
13	4			COMMON 1 UP 10 1 ST SEARCH 7 2 ND SEARCH 5 ATTACK 3
15	9			COMMON 1 DOWN 2 3 4 5 6 7 8 9 UP 10
16	3			COMMON 1 UP 9 MID 6 DOWN 3

Fig. 2. Switch details

4. When this switch is used in conjunction with the drum switch, Type C1220Y, it requires a current of 1 amp.; for other uses, a maximum of 3 amp. is permissible. Though the switch is normally used on 24 volts, the insulation is suitable for voltages up to 250.

5. The terminal arrangement, with terminal cover removed, is shown in fig. 3. Where a rubber grommet is used for the cable entry, the tip of the sleeves are cut off as required on installation.

INSTALLATION

6. To fit a new switch having a rubber cable grommet, remove the back cover, nip the extreme tip off the sleeves required, and feed the conductors through, causing the sleeves to invert. Finally pull the conductors back to re-invert the sleeves.

SERVICING

7. Since this switch is sealed, no servicing is possible; a faulty switch must be renewed.

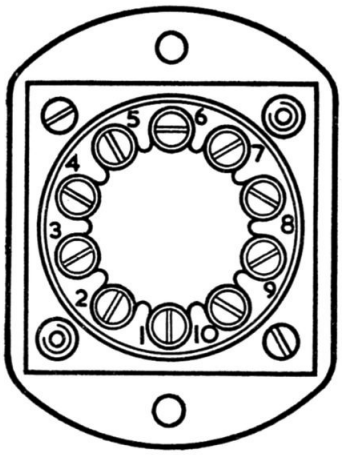


Fig. 3. Terminal arrangement

P25023 552893/6420 11/55 2125 C & P Gp. 1