Chapter 22

PUSH-SWITCHES, TYPES C1212Y and C1213Y

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LEADING PARTICULARS

Type	*Stores Ref.*	*Application*	*Weight (oz.)*	*Dimensions (in.)*
C1212Y, Mk. 2	*5CW/4546*	*Wing folding*	*7·8*	*3·76 × 1·625 × 3·93*
C1212Y, Mk. 3	*5CW/4180*	*Undercarriage*	*7·8*	*3·76 × 1·625 × 3·93*
C1212Y, Mk. 4	*5CW/4248*	*Test rig*	*7·1*	*3·76 × 1·625 × 3·8*
C1212Y, Mk. 5	*5CW/4212*	*Undercarriage*	*9·8*	*3·76 × 1·625 × 4·98*
C1212Y, Mk. 6	*5CW/4213*	*Bomb doors*	*7·1*	*3·76 × 1·625 × 3·8*
C1213Y, Mk. 5	*5CW/4631*	*Undercarriage*	*14·4*	*5·26 × 1·625 × 4·98*
C1213Y, Mk. 7	*5CW/5100*	*Undercarriage*	*14·4*	*5·26 × 1·625 × 4·98*

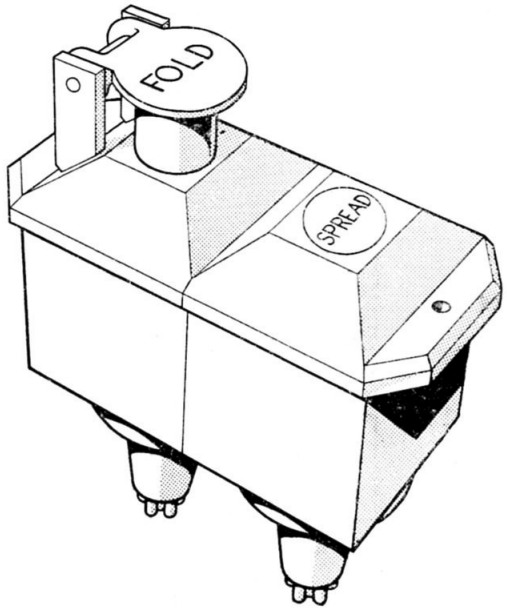

Fig. 1. Push-switch, Type C1212Y, Mk. 2

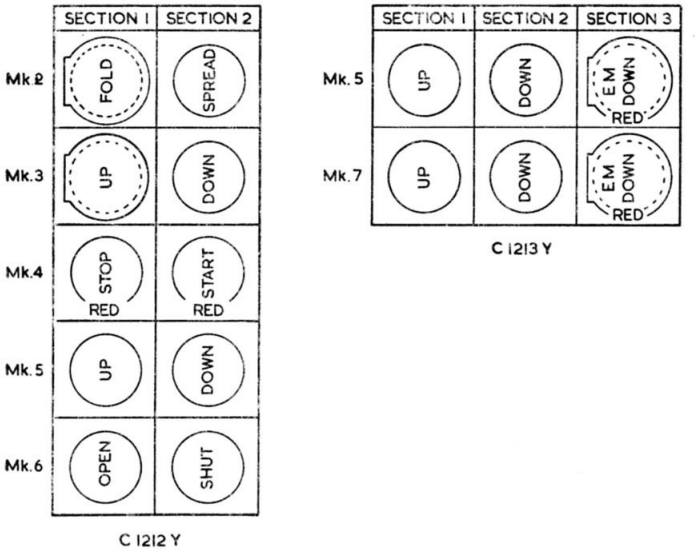

Fig. 2. Switch details

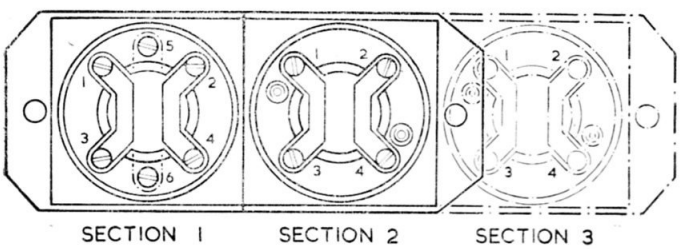

Fig. 3. Terminal arrangement

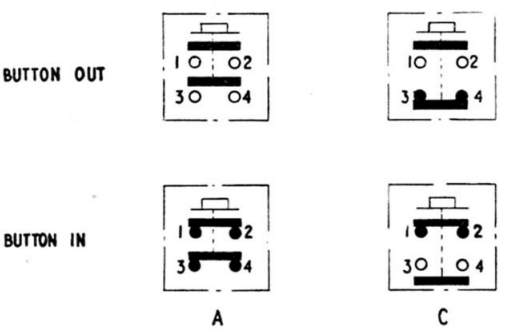

Fig. 4. Contact arrangement

Introduction

1. The various marks of push-switch, Types C1212Y and C1213Y, are all of basically similar design, but differ in the number of buttons and in the engraving for particular applications of the switch.

DESCRIPTION

2. A general view of a typical switch of this range, the Type C1212Y, Mk. 2, is shown in fig. 1. Details of the various marks are given in fig. 2, and in Table 1, from which it will be seen that there may be either two or three switch sections with or without locking mechanism and with or without safety flaps. The switches with a locking mechanism, become unlocked when a 24-volt d.c. supply is connected across terminals 5 and 6. The lock can be overridden manually by a pressure of approximately 40 lb., but the override is for emergency use only, and to avoid wear it should not be operated frequently.

3. The terminal arrangement is shown in fig. 3, for either two or three-unit switches. Terminals 5 and 6 appear only on sections incorporating the locking mechanism. Each switch is fitted with a synthetic rubber grommet, the tip of the sleeves being cut off as required on installation. Lock sections may be fitted with a mu-metal shield to reduce compass interference.

INSTALLATION

4. To fit a new switch, remove the back covers, 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

5. No servicing is possible on these switches, which are sealed; a faulty switch must be renewed.

TABLE 1

Type	No. of buttons	Lock with override	Safety flaps	Contact arrangement
C1212Y, Mk. 2	2	—	Section 1	Both sections A
C1212Y, Mk. 3	2	—	Section 1	Both sections A
C1212Y, Mk. 4	2	—	—	Both sections A
C1212Y, Mk. 5	2	Section 1	—	Both sections A
C1212Y, Mk. 6	2	—	—	Both sections A
C1213Y, Mk. 5	3	Section 1	Section 3	All sections A
C1213Y, Mk. 7	3	Section 1	Section 3	Sections 1 & 2 A Section 3 C

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