



## FORT MULTI-FUNCTION SWITCH LOCK ASSEMBLY INSTRUCTIONS

### SECTION I—The MFSW-3 Multi-Function Switch Lock may be made to operate with the following lock functions:

- FUNCTION A**—2 key pulls 12:00 and 3:00 (See Fig. A)
- FUNCTION B**—Momentary switch contact (on) with key spring back—key removable at 12:00 (See Fig. B)
- FUNCTION C**—1 key pull at 12:00 (See Fig. B)

### SECTION II—Electrical Switch Connections:

#### A. Two Wire Connection

- For "off" at 12:00, "on" at 3:00, use red and white leads only.
- For "off" at 3:00, "on" at 12:00, use red and black leads only.

#### B. Three Wire Connection

All three leads may be used to connect switch to two different circuits—one "on" while the other one is "off"—see wiring diagram below:



UL listed—single pole, double-throw, 7 AMP, 28 VDC, 250 VAC.

### SECTION III—Switch Lock Assembly Instructions:

- A.** Lock has been preassembled at factory to operate as "Function A" lock (See Sec. I). To change function first disassemble lock as follows: (Note: To reassemble as a "Function A" lock see Section III D).

1. Remove Key.
2. Disassemble switch assembly at back end of lock by pushing in on it and turning it in counter-clockwise direction, then lift it out.
3. Remove actuator, torsion spring, and cam stop plate.

- B.** To reassemble as a "Function B" lock (See Sec. I)

perform the following steps:

1. Disassemble lock as explained in Section III A. (OVER)
2. Insert key into lock and turn to 6:00 position (See Fig. A), remove key.
3. Assemble switch to 2 piece housing as shown in Fig. C, then put assembly aside temporarily.
4. Turn lock face down and insert cam stop plate as shown in Fig. D (Make sure stop surface is the one near centerline of double D hole flats). A long nose pliers is recommended for ease of insertion of cam stop plate.
5. Assemble torsion spring onto double flat end of actuator as shown in Fig. E.
6. Insert actuator/spring assembly into lock making certain that "HOOKED END" of torsion spring is to the right of stop in pin (See Fig. F).
7. Push actuator down with finger or pencil eraser end (See Fig. H) for location of flat ledge on actuator before rotation) and rotate Counter-Clockwise approximately 45° until actuator seats itself onto spindle (See Fig. I for new location of flat ledge on actuator) and then hold in place. (Once actuator is seated correctly you should feel a light spring pressure).
8. Maintain the position of actuator on spindle by placing a small screw driver or similar flat tool through side slot in lock shell (See Fig. J).
9. Take assembled switch assembly and line up switch actuator button with arrow on side of shell (See Fig. K). Insert switch assembly into slots in lock shell pushing down until it makes contact with holding tool. Remove holding tool and while pushing down rotate switch assembly "CLOCKWISE" as far as it will go (approximately 30°); release pressure allowing switch assembly to pop up into slots and seat itself. Lock will now function as "Momentary Spring-Back." (Note: If lock does not function as momentary, reassemble from Step 6 and be sure to locate spring leg to right of stop pin (See Fig. F).

- C.** To reassemble as a "Function C" lock (See Sec. 1) perform the following steps:

1. Disassemble lock as explained in Section III A.
2. Insert key into lock and turn to 12:00 position (See Fig. B). Remove key.
- 3-5 Same as 3-5 in Section III B.
6. Place the hooked end of the torsion spring to the left of the stop pin (See Fig. G).
- 7-9 Same as 7-9 in Section III B.

- D.** To reassemble as a "Function A" lock perform the following steps:

1. Disassemble lock as explained in Section III A.
2. Insert key into lock and turn to 12:00 position (See Fig. A). Remove key.
- 3-9 Same as 3-9 in Section III C.

