



# SQUARE D Instruction Bulletin

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## Telemecanique Handle Mounting Kits

**D11SF4 – Handle and Shaft Kit for Enclosures up to 6"**

**D11SF10 – Handle and Shaft Kit for 6" to 10" Enclosures**

**D11SF16 – Handle and Shaft Kit for 10" to 16" Enclosures**

### INTRODUCTION

This instruction bulletin contains instructions for installing Telemecanique handle mounting kits on Telemecanique motor control switches D10S1, D10S2, D10S3 and D10S4 and Telemecanique disconnect switches D10S1H, D10S2H, D10S3H and D10S4H. Table 1 lists the parts supplied in the kits.

**Table 1 Parts Supplied**

Description	Quan.	Description	Quan.
Preassembled operating shaft assy.	1	10-24 x 3/8 pan head screw	1
Rotary handle assy.	1	10-32 x 1/2 self-tapping screws	3
Actuator	1	Cork gasket	1
#10 flat washer	1	1/8" allen wrench	1

### INSTALLATION

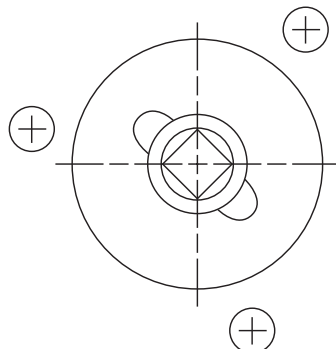


#### HAZARDOUS VOLTAGE.

**Disconnect all power supplied to switch before servicing.**

Failure to observe these precautions will cause shock or burn, resulting in severe personal injury or death.

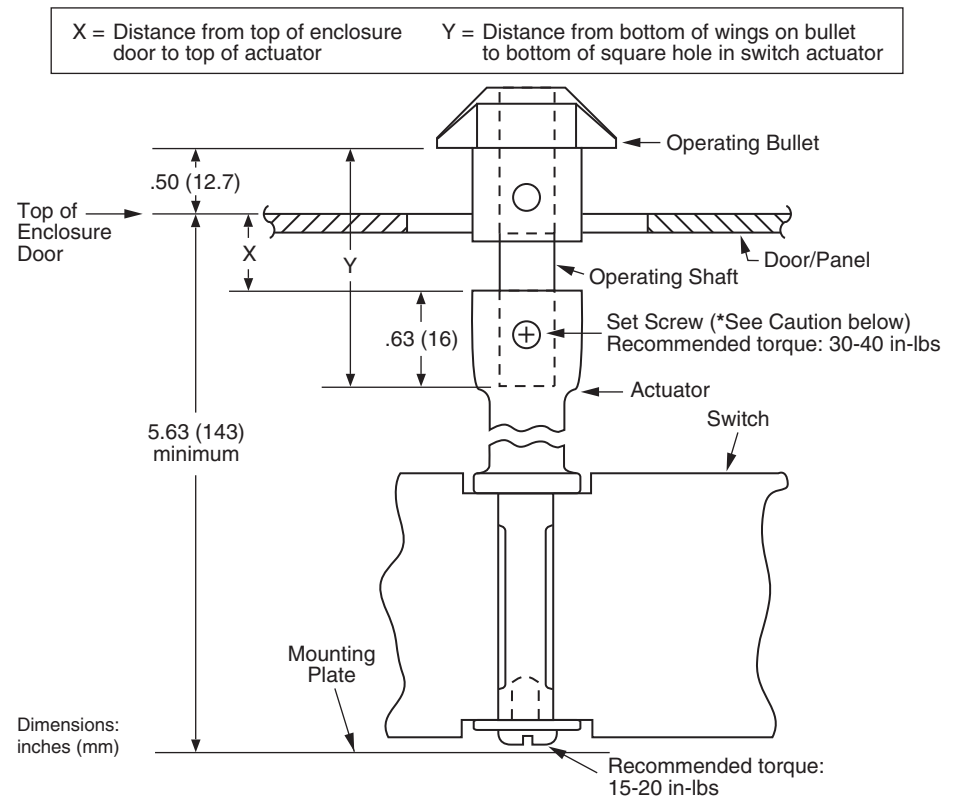
1. Referring to Figure 3 on page 4, layout and cut out holes in the enclosure cover and mounting panel.
2. With switch in "OFF" position, insert die cast actuator into square hole in top of switch, as shown in Figure 1.




**Figure 1 Top View of Switch and Actuator**

3. Using #10 flat washer and 10-24 x 3/8 pan head screw (supplied), secure actuator to switch. Be sure end of actuator is flush with surface of round mechanism bearing on underside of switch. Recommended torque: 15-20 in-lbs.


4. Locate switch on mounting panel. Close enclosure cover. Determine dimension X by measuring distance from top of enclosure cover to top of actuator (see Figure 2).



**Figure 2      Operating Shaft Assembly**

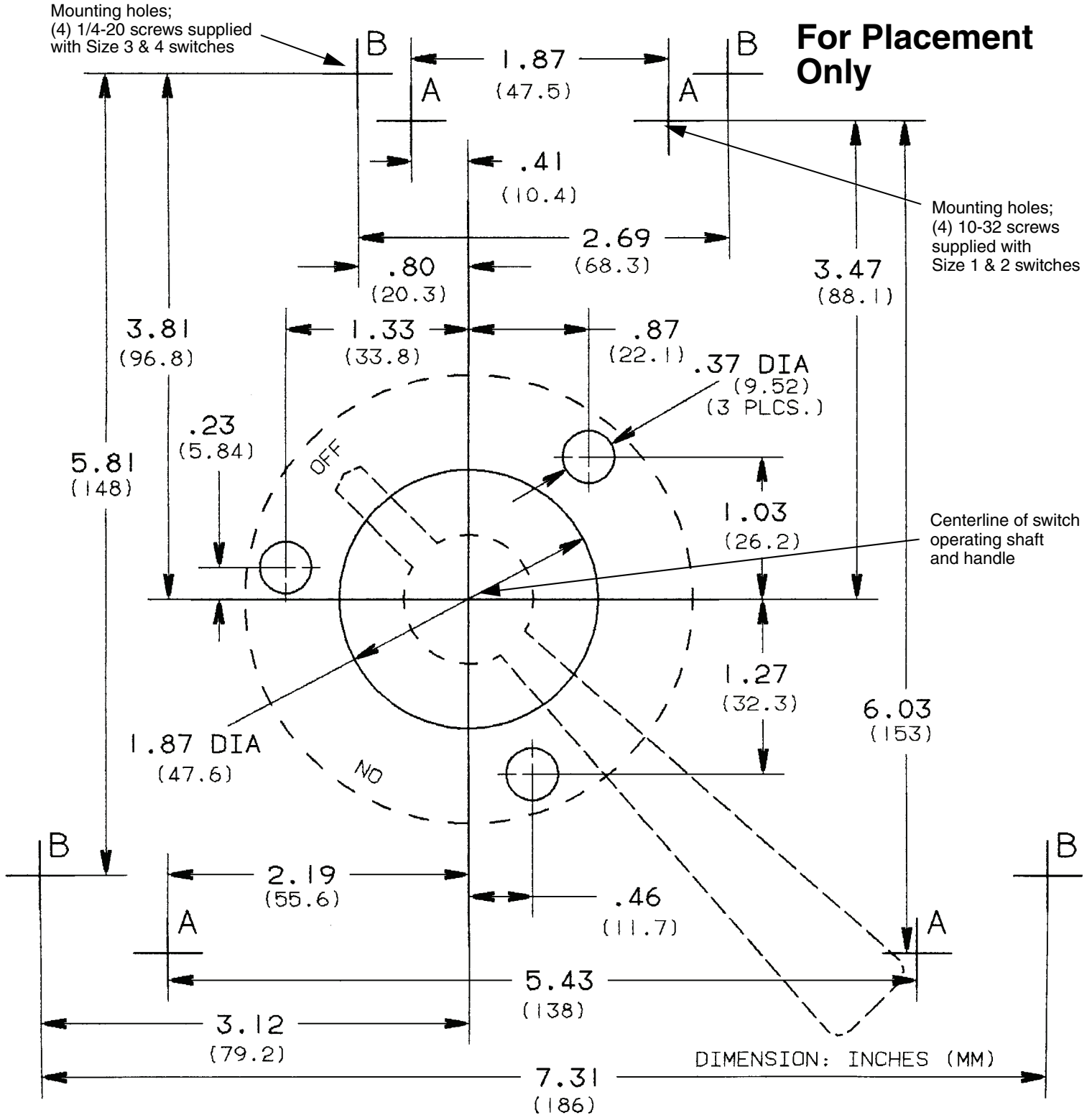
 <b>CAUTION</b>
<p><b>HANDLE MISOPERATION.</b></p> <p><b>Nyloc set screw supplied with actuator must be used.</b></p> <p>Failure to observe this precaution could prevent rotary handle from turning switch OFF or ON, resulting in personal injury, product damage or property damage.</p>

5. Calculate dimension Y (operating shaft length) with the following formula:  
$$Y = (0.50 + 0.63 + X)$$
Measure and mark dimension Y on operating shaft. Cut shaft to length. Surface cut must be square to all sides.

 <b>CAUTION</b>
<p><b>HANDLE MISOPERATION.</b></p> <p><b>Do not cut operating shaft shorter than dimension Y.</b></p> <p>Failure to observe this precaution could prevent rotary handle from turning switch OFF or ON, resulting in personal injury, product damage or property damage.</p>

6. Insert operating shaft into actuator. Locate set screw (hidden by black tubing) in actuator. Puncture tubing with 1/8" allen wrench (supplied) and tighten set screw against operating shaft. Recommended torque: 30-40 in-lbs.
7. Remove backing from cork gasket and position over boss on back side of handle. After assuring handle location over door cutout, remove backing on other side of gasket. Place handle over door cutout and position handle, matching holes as shown in Figure 3 on page 4. Tighten the three self-tapping mounting screws (gasket will hold handle to door while tightening screws). Recommended torque: 30 in-lbs.
8. Close enclosure cover. Operate handle "ON" and "OFF", verifying switch operates properly. Handle permits locking the disconnect device in the "OFF" position using up to three locks (3/8" diameter max.).

Provision for locking the handle in the "ON" position is provided. The material covering the locking notch on the handle plate must be removed with a hacksaw and/or file. In the "ON" position, the handle has a defeatable interlock. To defeat the interlock, use a screwdriver to turn slotted screw, which will release the handle.



**Figure 3 Switch and Handle Template**

**PLEASE NOTE:**

Electrical equipment should be serviced only by qualified electrical maintenance personnel, and this document should not be viewed as sufficient instruction for those who are not otherwise qualified to operate, service or maintain the equipment discussed. Although reasonable care has been taken to provide accurate and authoritative information in this document, no responsibility is assumed by Square D for any consequences arising out of the use of this material.



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