

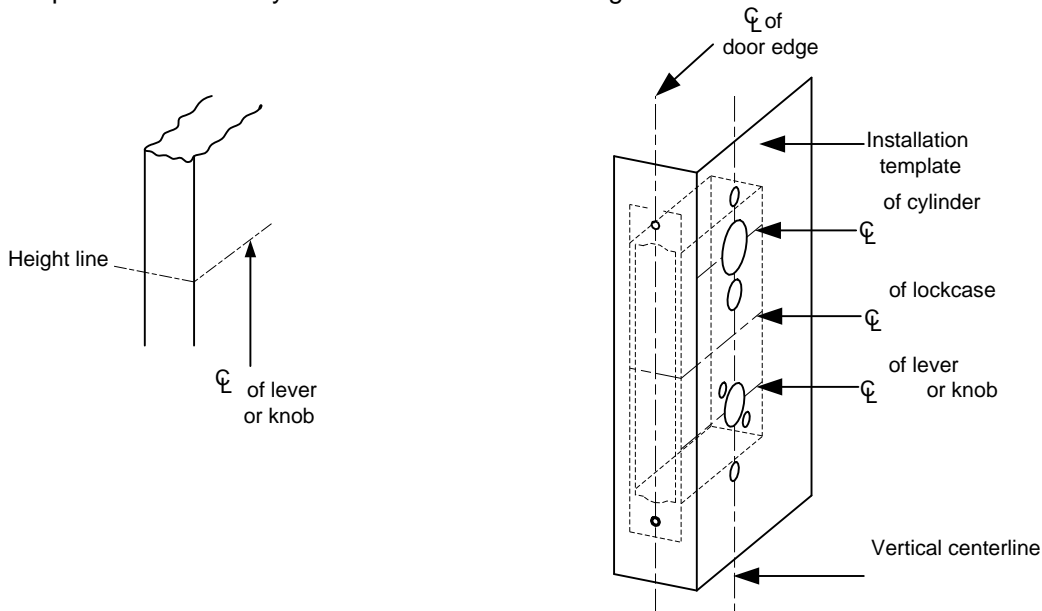
# SDC Security Door Controls

801 Avenida Acaso, Camarillo, Ca. 93041 • (805) 494-0622 • Fax: (805) 494-8861  
 www.sdcsecurity.com • E-mail: service@sdsecurity.com

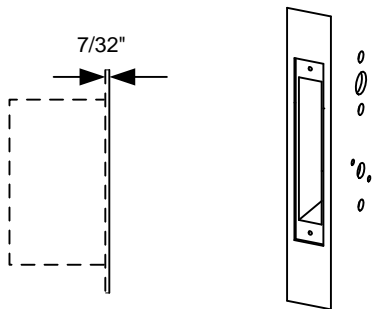
## INSTALLATION INSTRUCTIONS 24VDC Z7835 SERIES MORTISE LOCK

### A. Door Preparation:

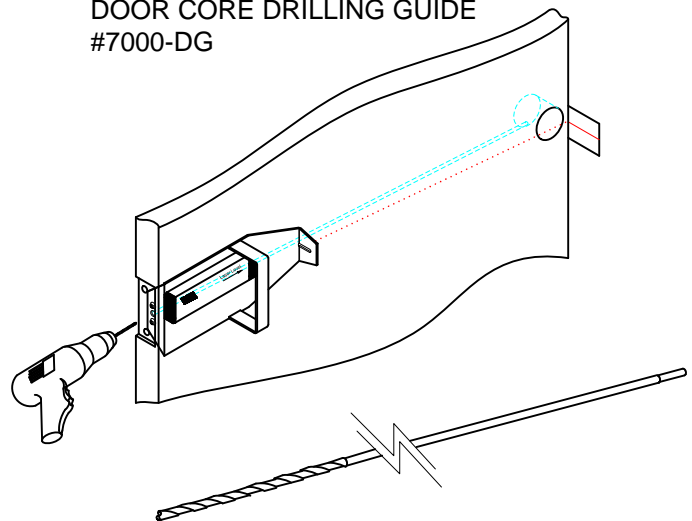
1. Measure desired height from finished floor, mark a horizontal line on door and door edge.
2. Align template on edge of door with applicable horizontal at height line. Check the chart for drilling trim holes on template and mark only holes for lock function being installed.



3. Mortise door edge according to measurements on installation template and drill proper holes for trim.
4. Recess for face plate, the dimension is:  
 L 8-1/32" x W 1-5/16" x D 7/32".



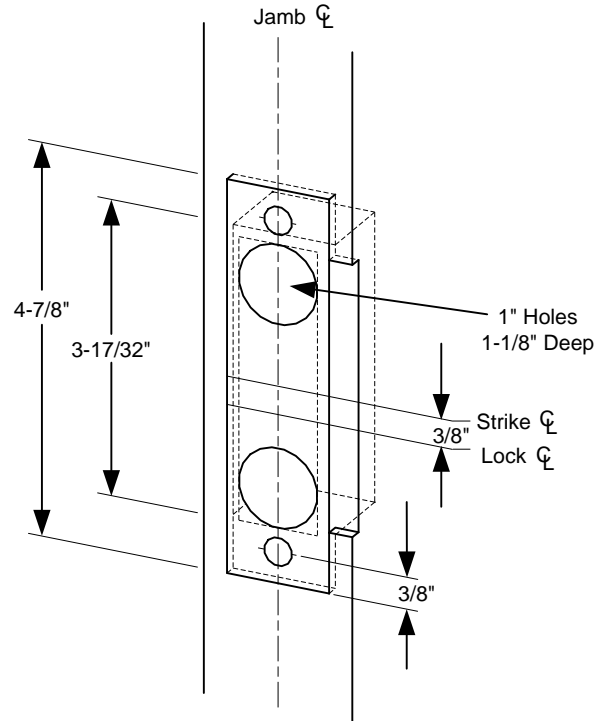
### OPTIONAL DOOR CORE DRILLING GUIDE #7000-DG



Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdsecurity.com

## B. Strike Installation:

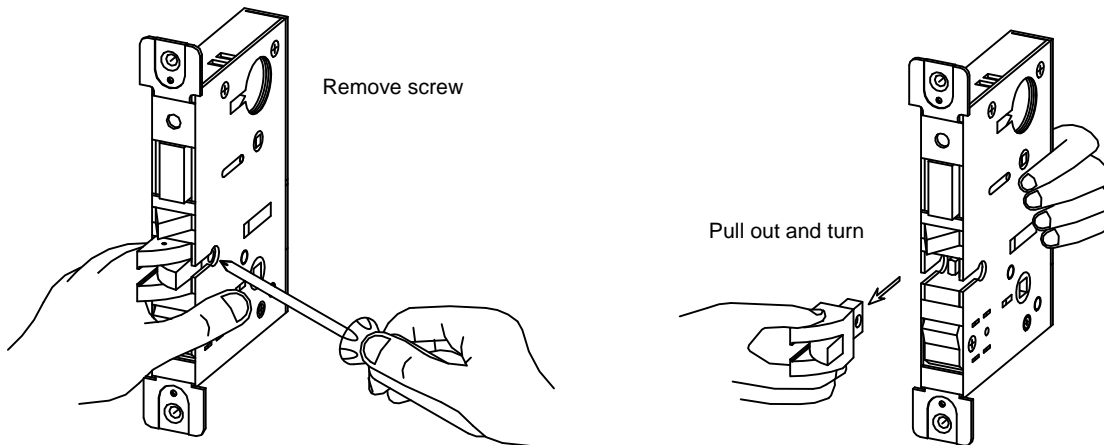
1. Align strike template on jamb. Be sure to keep  $3/8$ " distance between lock centerline and strike centerline. Recess  $5/32$ " for flush fit of strike and dust box.
2. Mortise jamb according to measurement of strike template. Then fit strike and dust box into frame and secure into place with supplied screws.



## C. Install Lockcase

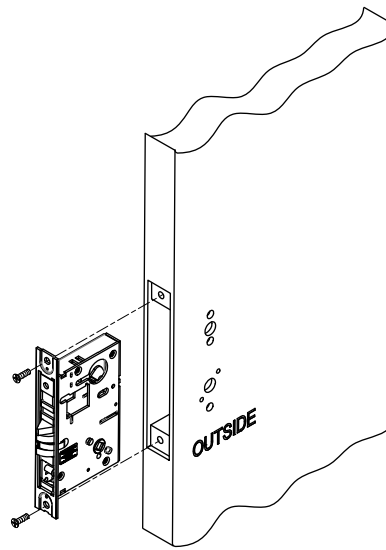
### Instructions for changing latchbolt handing:

1. Change latchbolt handing  
If the hand of the latchbolt doesn't match the door hand, remove the fixing screw and pull the latchbolt out from lock case. Turn the latchbolt  $180^\circ$  to change the handing. Position latchbolt back, into case and fasten it.



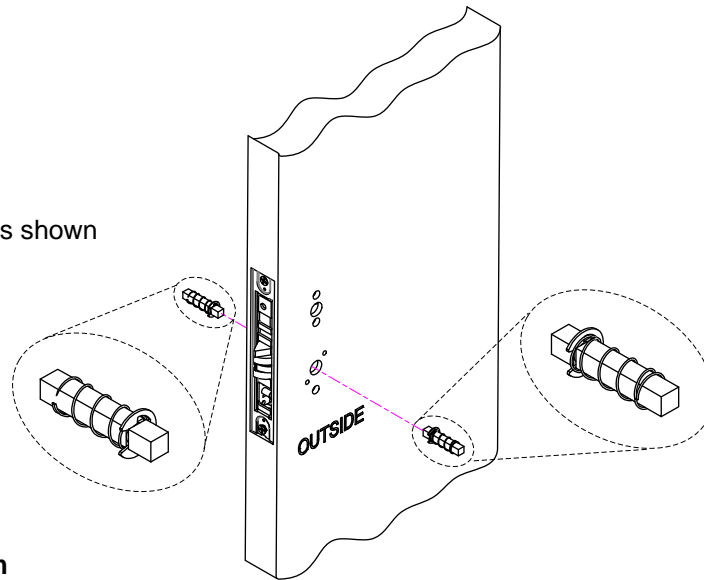
### C. Install Lockcase (Continued)

3. Connect wires as shown on the lock cover diagram.
4. Insert lockcase into mortise cut-out and fasten screws to door.



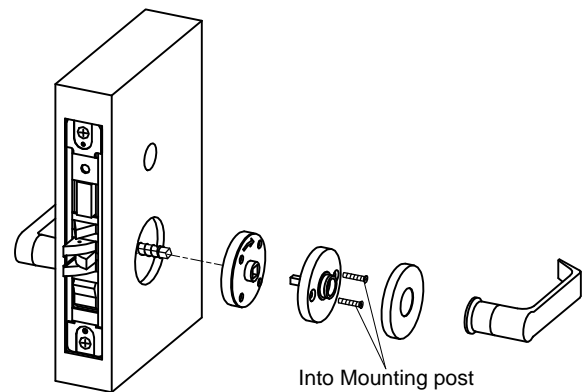
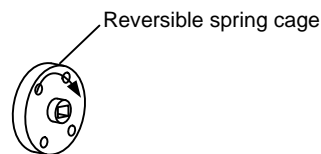
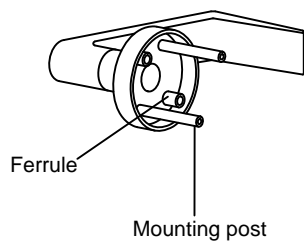
### D. Install Spindles

1. Insert spindles as shown



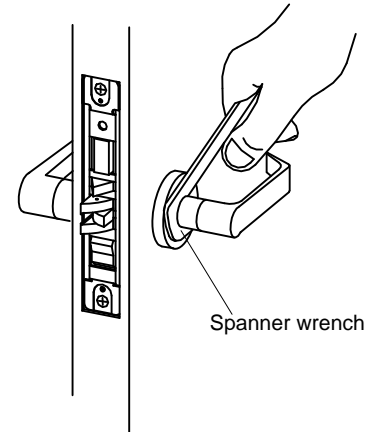
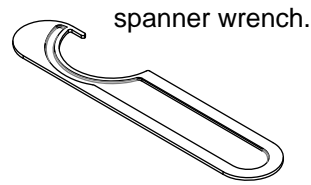
### E. Install Lever trim

1. Place the reversible spring cage onto the ferrules with arrow pointing in direction of lever rotation.
2. Install outside trim with mounting posts through door and position lever onto the spindle.
3. Install inside spring cage onto the spindle with the arrow pointing in the direction of inside lever rotation.
4. Install inside mounting plate onto spindle. Tighten with provided screw.
5. Cap inside rose over mounting plate.



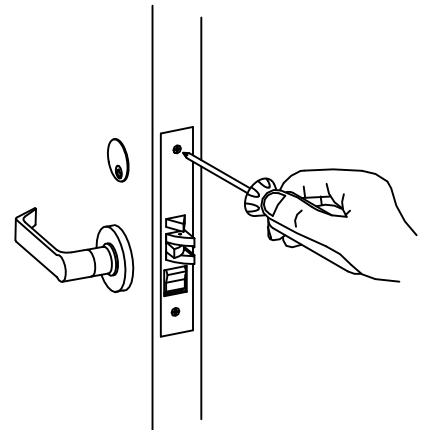
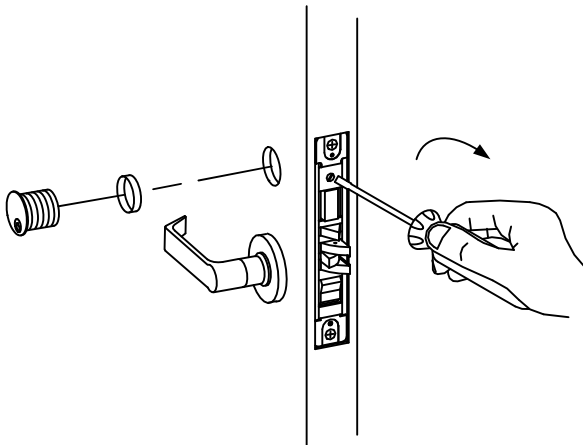
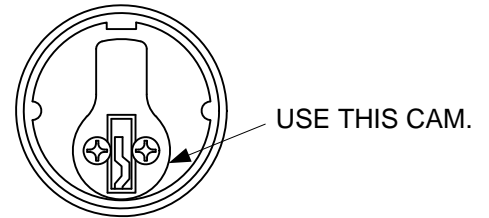
## E. Install Lever trim (continued)

6. Screw inside lever into position and tighten lever collar with supplied spanner wrench.



## F. Install Cylinder and Armor Face Plate

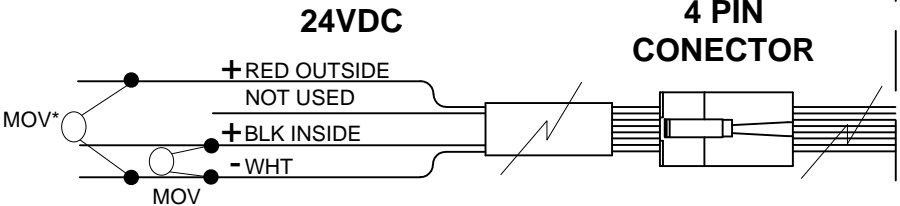
1. Screw cylinder into threaded hole of lock case.
2. Tighten the setting screw against cylinder(s) by turning clockwise as shown.
3. Install face plate onto lock case front and fasten with supplied screws.



# INSTALLATION WIRE DIAGRAM

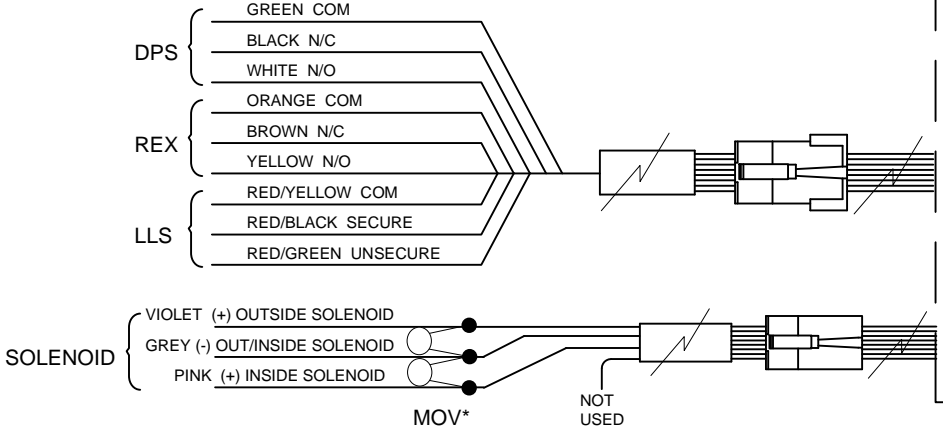
## Model Z7835 Series 24VDC ONLY

### STANDARD WIRING (NO OPTIONS)



\*Install MOV across each coil to protect ACS electronics.  
Install as close as possible to the lock

### WIRING WITH OPTIONS



\*Install MOV across each coil to protect ACS electronics.  
Install as close as possible to the lock