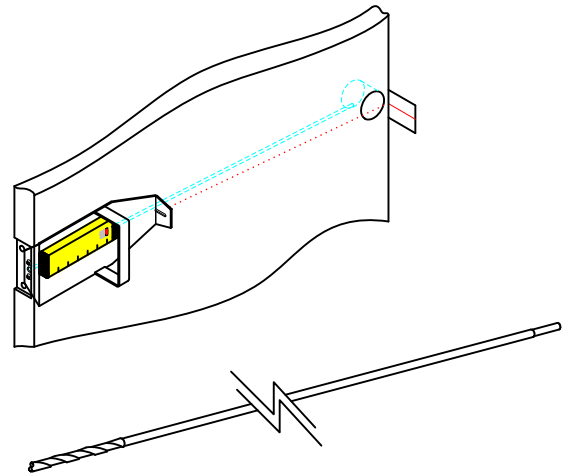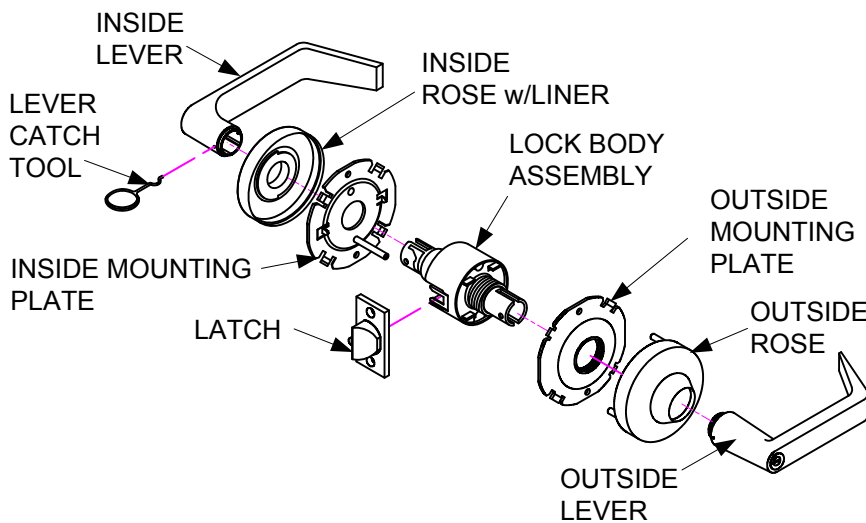# SDC Security Door Controls

INSTALLATION INSTRUCTIONS
CYLINDRICAL LOCK Z7200
FOR USE ON DOORS 1-3/8" ~ 2" (35mm ~ 51mm) THICK

TOOLS REQUIRED FOR NEW INSTALLATION:

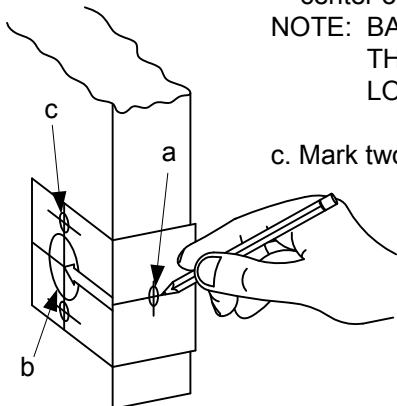|	
1 philips head screwdriver	1 2-1/8" (54MM) hole saw
1 1" (25.4mm) drill bit	1 5/16" (8mm) drill bit
1 chisel	1 file

OPTIONAL:
DOOR CORE DRILLING GUIDE #7000-DG &
CORING DRILL BIT #7000-DB

INSIDE LEVER

LEVER CATCH TOOL

INSIDE ROSE w/LINER

INSIDE MOUNTING PLATE

LOCK BODY ASSEMBLY

LATCH

OUTSIDE MOUNTING PLATE

OUTSIDE ROSE

OUTSIDE LEVER

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1. MARK DOOR

a. Mark centerline on door face and door edge (usually 38" from finished floor)

b. Select backset 2-3/8" or 2-3/4" and mark hole center on door face

NOTE: BACKSET ON DOOR FACE MUST BE THE SAME AS BACKSET OF YOUR LOCK.

c. Mark two holes for screw post.

Fold template for High or Low Bevel positioning (reference template)

2. DRILL HOLES

5/16" (8mm) hole for screw post

1" or 31/32" (24.6mm or 25.4mm) hole for latch

2-1/8" (54mm) Hole for lockset
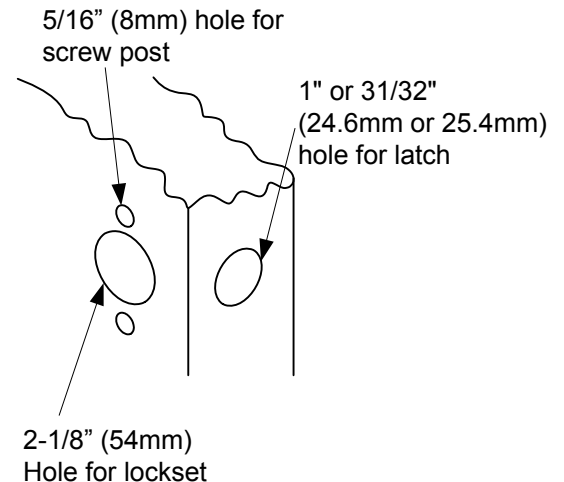
Any suggestions or comments to this instruction or product are welcome. Please contact us through our website or email engineer@sdcsecurity.com
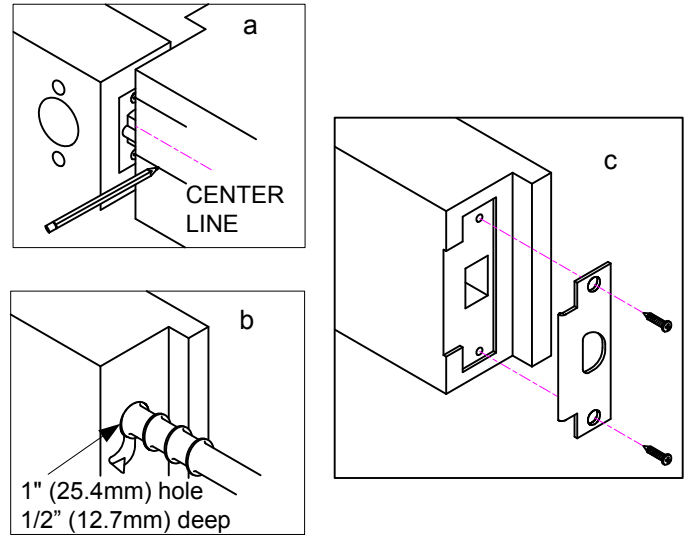
3. INSTALL LATCH

a. Insert latch in hole and keep it parallel to door face. Mark outline and remove latch

b. Chisel 1/8" (3mm) deep or until faceplate is flush with door edge.

c. Insert latch and tighten screws.
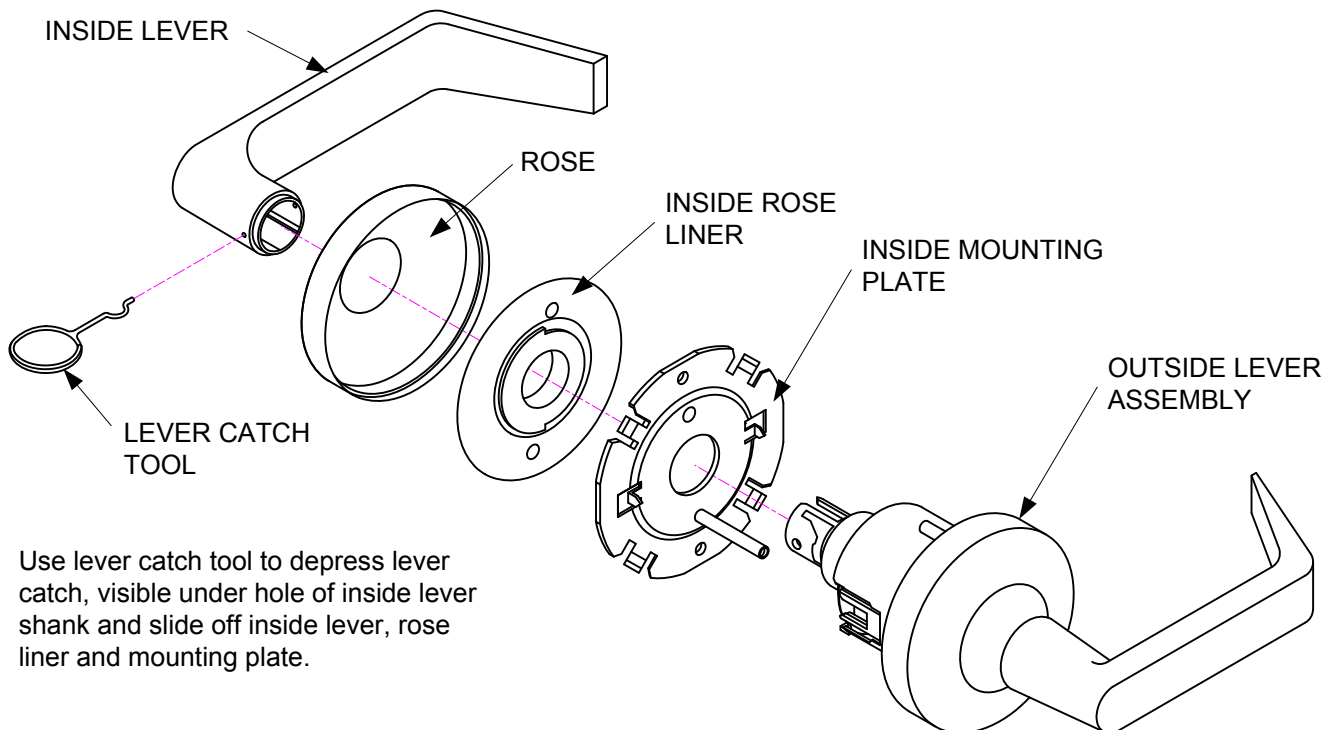   NOTE: LATCH BOLT BEVEL MUST FACE TOWARDS CLOSING DIRECTION.
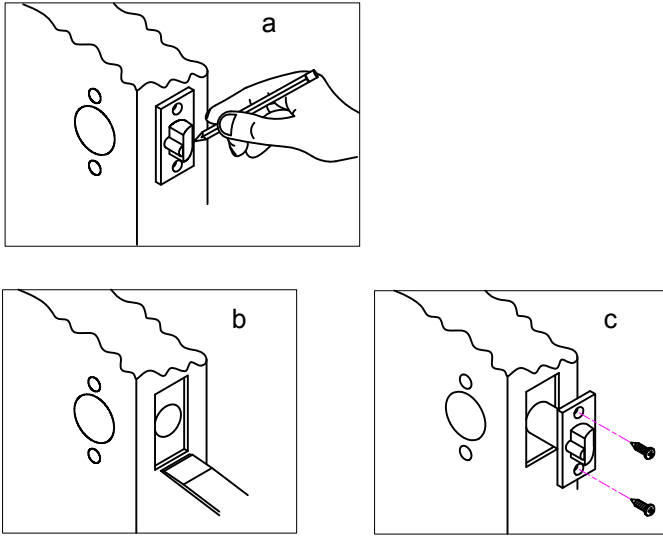
4. INSTALL STRIKE

a. Close door to mark horizontal line of strike.

b. Measure one half of door thickness from door stop to mark vertical center line of strike. Drill 1" (25.4mm) hole, 1/2" (12.7mm) deep at intersection of horizontal and vertical center lines.

c. Cut out jamb 3/32" (2.4mm) deep or until strike is flush with jamb. Tighten screws securely.

5. REMOVE INSIDE TRIM

Use lever catch tool to depress lever catch, visible under hole of inside lever shank and slide off inside lever, rose liner and mounting plate.

6. ADJUST DOOR THICKNESS

1-3/4" thick

1-3/8" thick

Door thickness : 2" thick
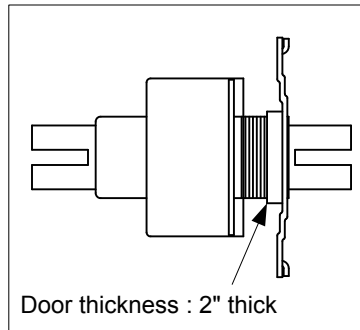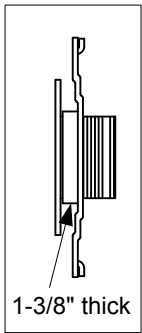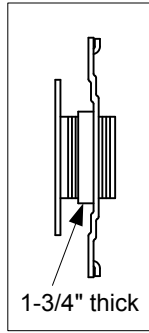
7. INSTALL OUTSIDE LEVER ASSEMBLY

Install outside lever assembly on the door. Make sure tail of latch is engaging with retractor correctly as illustrated. Refer to wire diagram on last page for wiring.

LATCH

LOCK BODY ASSEMBLY
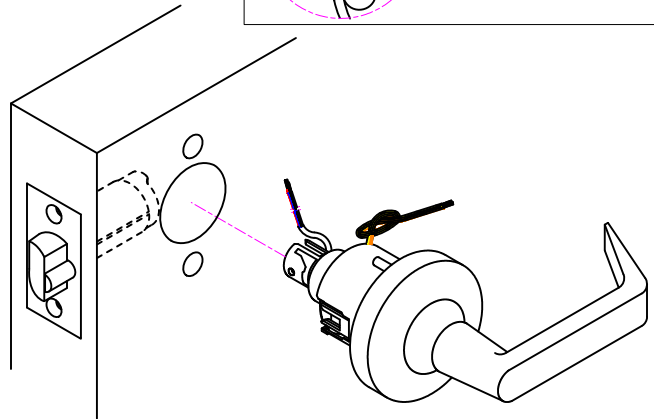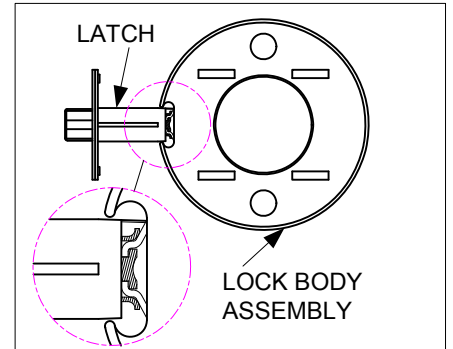
8. INSTALL INSIDE MOUNTING PLATE AND ROSE

a. Install inside mounting plate to lock body.

INSIDE MOUNTING PLATE
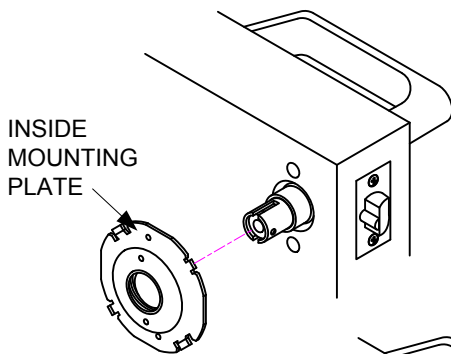
b. Press inside rose onto mounting plate and tighten screws securely.

ROSE LINER

INSIDE ROSE

MOUNTING SCREWS
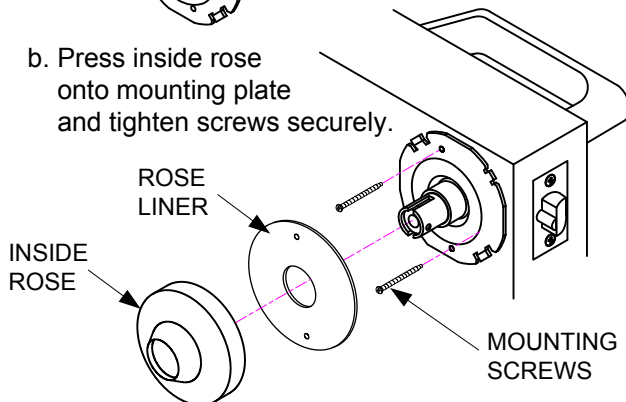
9. INSTALL LEVER

a. Depress lever catch with tool provided. Push inside lever on completely until catch engages in lever. Confirm lever is secured.

INSIDE ROSE

INSIDE LEVER

LAYOUT

DO NOT USE AS A PHYSICAL TEMPLATE. THIS LAYOUT IS INTENDED AS A DIMENSIONAL REFERENCE ONLY. USE THE TEMPLATE PACKAGED WITH THE LOCK

High Bevel

Low Bevel

1-3/4" Door

Flat (No Bevel)

2-15/32" (62.7mm)

(FOR METAL DOORS ONLY)

1/8" (3mm) Holes

2-3/8" (60mm) BACKSET

2-3/4" (70mm) BACKSET

(FOR METAL DOORS ONLY)

1" (25mm) Hole

5/32" (4mm)

2-3/4" (70mm)

1-5/8" (41mm)

MARK CENTER OF 2-1/8" (54mm) HOLE ON DOOR FACE

DOOR EDGE

2X 5/16" (8mm) hole

WIRE DIAGRAM

RED — RED(+)
BLK
BLU
WHT — WHT(-)

12vdc @ INRUSH: .6A HOLDING: .25A

RED — RED(+)
BLK
BLU
WHT — WHT(-)

24vdc @ INRUSH: .3A HOLDING: .15A

BLU
WHT — **LOCKSET PR-7200 POWER REGULATOR** — RED (+) / BLK (-) TO PWR SUPPLY

BLU
WHT — **LOCKSET PR-7200 POWER REGULATOR** — RED (+) / BLK (-) TO PWR SUPPLY

Use of the PR-7200 limits the power consumption, reduces operating temperature, and suppresses inductive kickback.

REQUEST-TO-EXIT MAGNETIC SENSOR, 200mA @ 30VAC RESISTIVE

REX
COM = GREY
N/C = YELLOW
N/O = ORANGE