SECURITY DOOR CONTROLS ■ WWW.SDCSECURITY.COM
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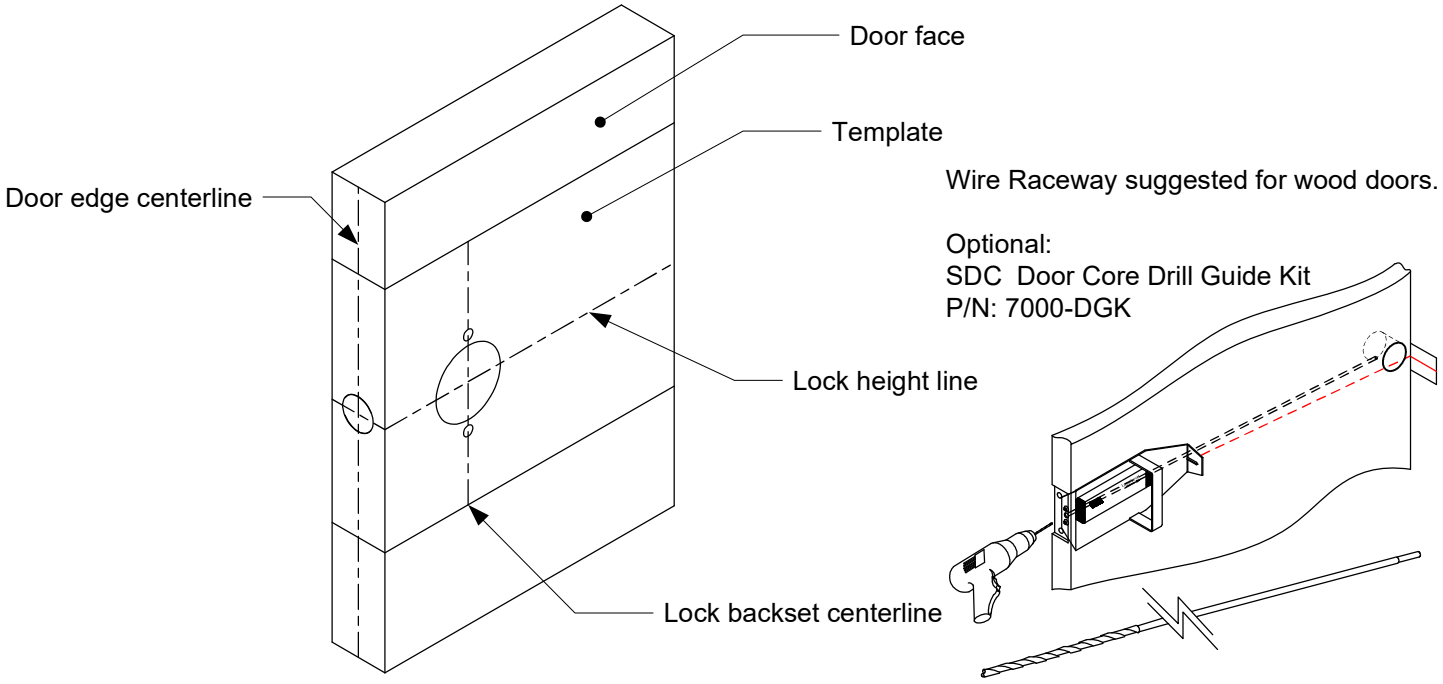
INSTALLATION INSTRUCTIONS

Z7200
SOLENOID CONTROLLED
CYLINDRICAL LOCKSET

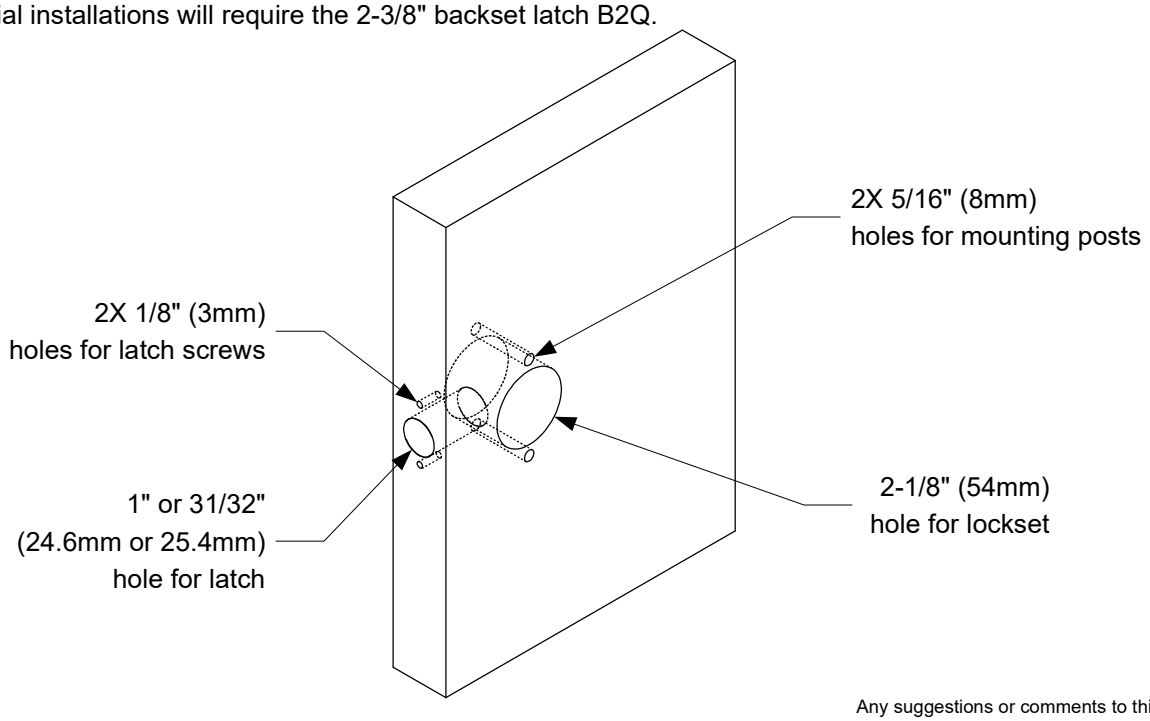
FOR USE ON DOORS 1-3/8" ~ 2" (35mm ~ 51mm) THICK

A. Door Preparation:

1. Measure desired height from finished floor and mark a horizontal line on door face and door edge. Place template on edge of door as shown and align lever centerline with marked height line on door.



2. Drill out holes according to template. Standard commercial lock backset is 2-3/4" and residential backset is 2-3/8". Residential installations will require the 2-3/8" backset latch B2Q.



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

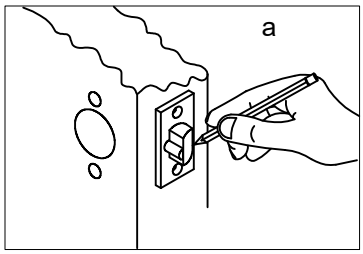
3. INSTALL LATCH

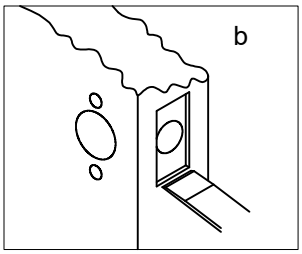
a. Insert latch in hole and keep it parallel to door face. Mark outline and remove latch

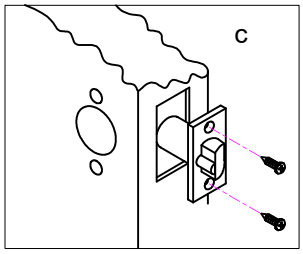
b. For wood doors. Chisel 1/8” (3mm) deep or until faceplate is flush with door edge.

c. Insert latch and tighten screws.

NOTE:
LATCH BOLT BEVEL MUST FACE TOWARDS CLOSING DIRECTION.





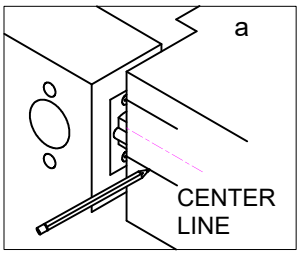


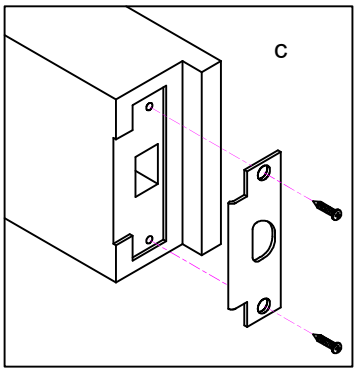
4. INSTALL STRIKE

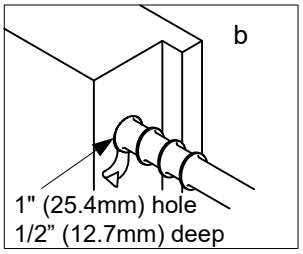
a. Close door to mark horizontal line of strike.

b. For wood frames 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.

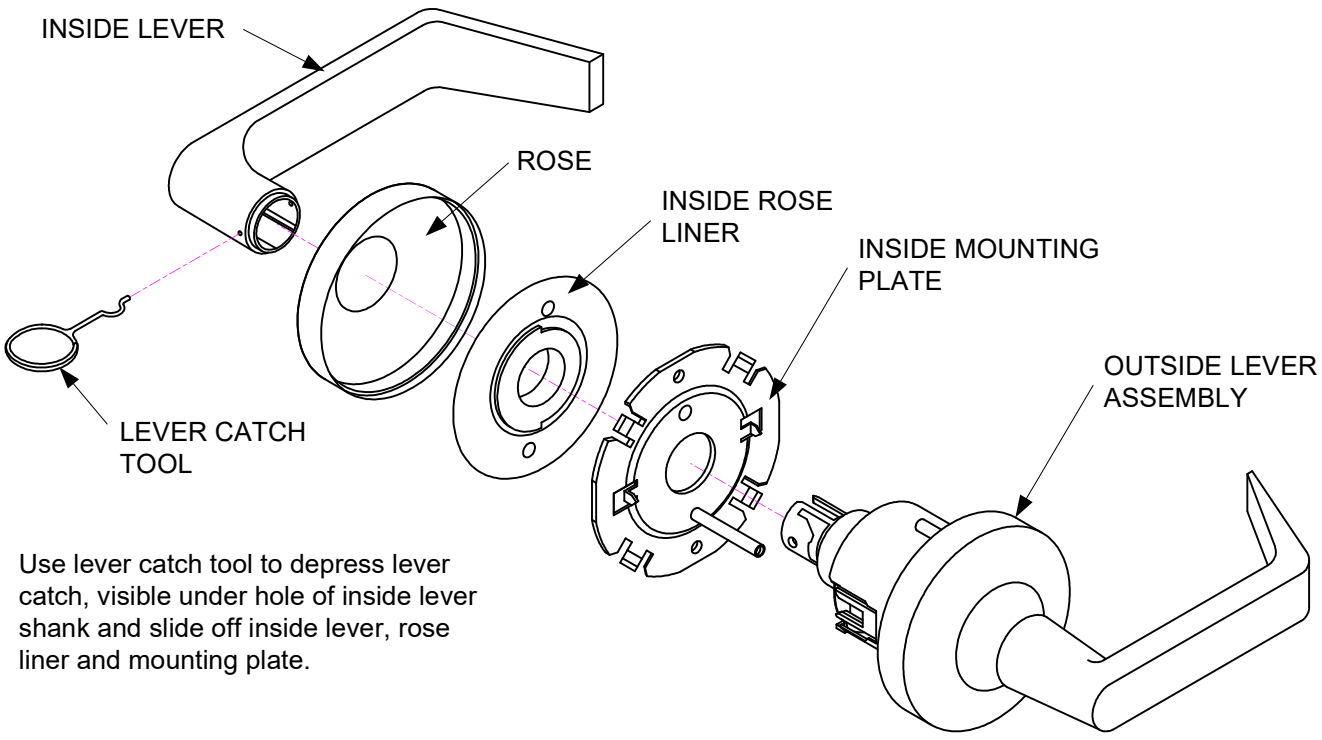
c. Cut out jamb 3/32” (2.4mm) deep or until strike is flush with jamb. Tighten screws securely.





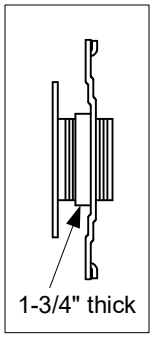


5. REMOVE INSIDE TRIM

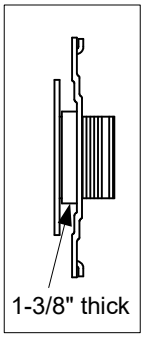


Use lever catch tool to depress lever catch, visible under hole of inside lever shank and slide off inside lever, rose liner and mounting plate.

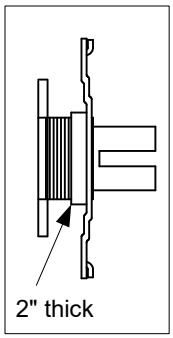
6. ADJUST OUTSIDE MOUNTING PLATE PER DOOR THICKNESS



* Factory commercial set spacing



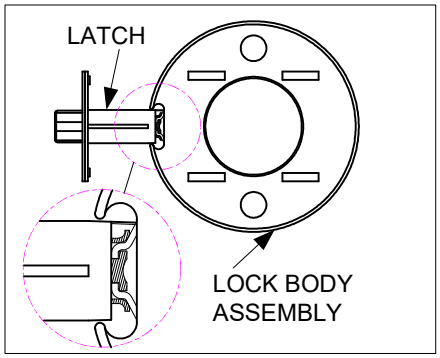
* Suggested residential set spacing



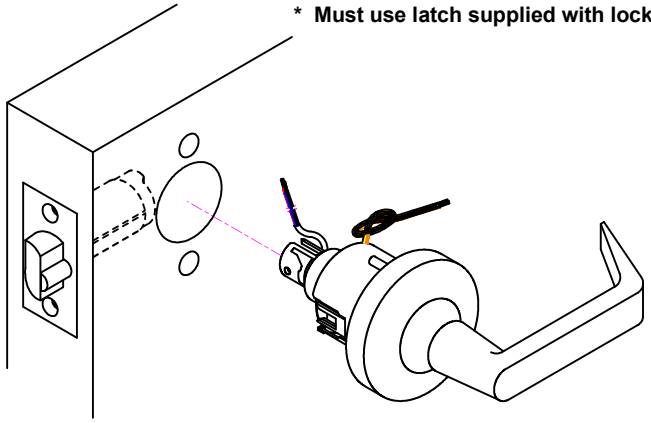
* For doors 2" thick max.

7. INSTALL OUTSIDE LEVER ASSEMBLY

Install outside lever assembly on the door. Make sure tail of latch is engaging with retractor correctly as illustrated.

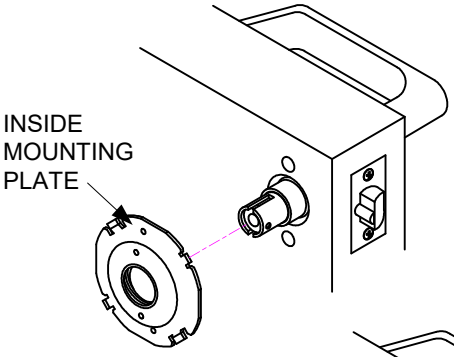


*** Must use latch supplied with lockset**

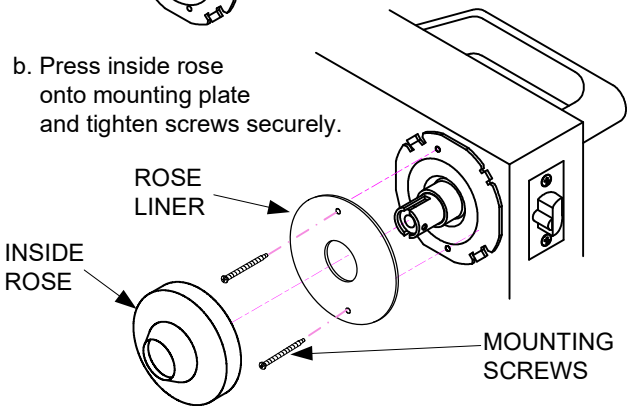


8. INSTALL INSIDE MOUNTING PLATE AND ROSE

a. Install inside mounting plate to lock body.

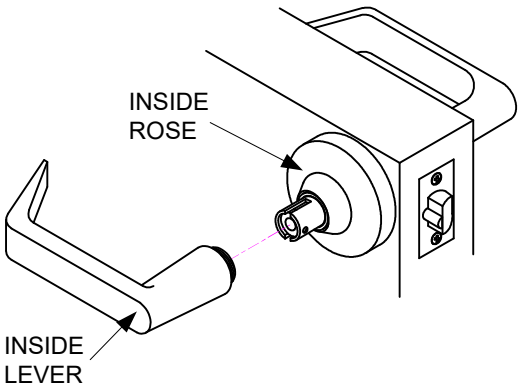


b. Press inside rose onto mounting plate and tighten screws securely.



9. INSTALL LEVER

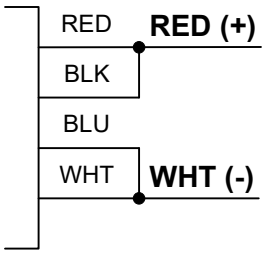
a. Push inside lever on completely until catch engages in lever. Confirm lever is secured.



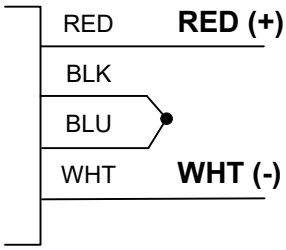
WIRE DIAGRAM
Models: Z7252
(Fail-Secure)

STANDARD WIRING:

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



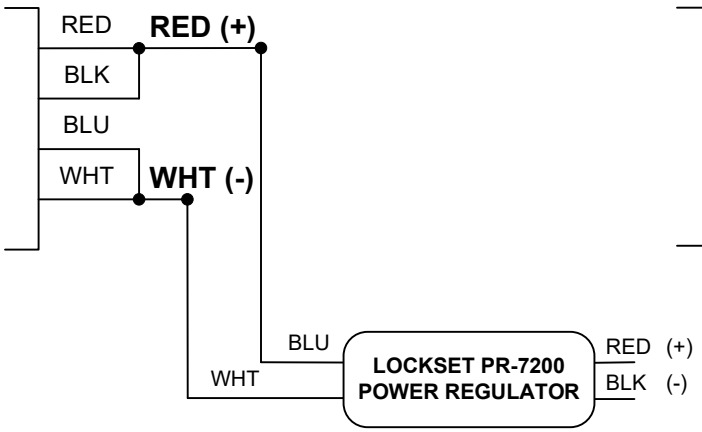
24vdc @ INRUSH: .3A
HOLDING: .15A



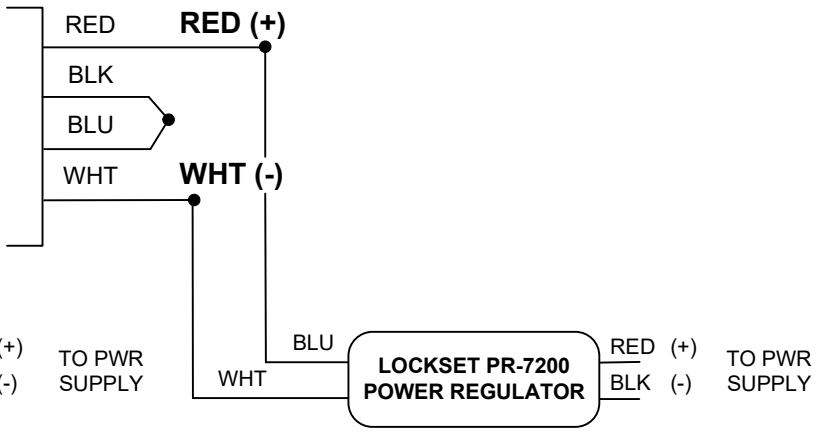
OPTIONAL PR-7200 WIRING:

Using the PR-7200 limits the power consumption, reduces operating temperature, and suppresses inductive kickback. (The PR-7200 is only supplied with the Fail-Safe models.)

12vdc



24vdc



OPTIONAL MONITORING WIRING:

LATCH STATUS MECHANICAL SWITCH SPDT
3A @ 30VDC

LATCH STATUS:

COM = WHT/RED
N/C = ORG/RED
N/O = YEL/RED

*Both options cant be used simultaneously.

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

REX:

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

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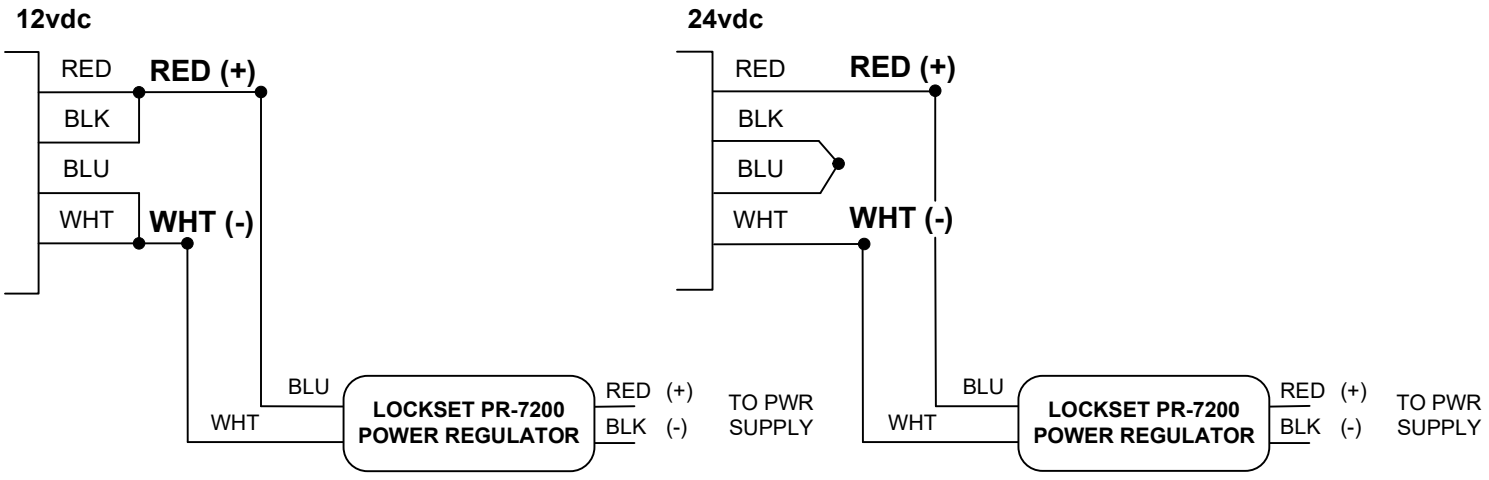
WIRE DIAGRAM
Models: Z7250
(Fail-Safe)

STANDARD WIRING:

The PR-7200 power regulator is included with all Fail-Safe models. Using the PR-7200 limits the power consumption, reduces operating temperature, and suppresses inductive kickback. The use of the PR-7200 is highly recommended for locks which will be energized for extended periods of time.



OPTIONAL MONITORING WIRING:

LATCH STATUS MECHANICAL SWITCH SPDT
3A @ 30VDC

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

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REX:

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N/C = YELLOW
N/O = ORANGE

DIMENSIONAL LAYOUT

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