



SERPENT TM Single Point Deadbolt Exit Lock

Installation Instructions

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(718) 392-9000

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www.securitech.com

Interior View



Exterior View



**PLEASE CHECK TO MAKE SURE YOU HAVE ALL
PARTS BEFORE STARTING THE INSTALLATION**
Illustrations in instructions may vary from actual parts supplied.
Tools Required:

Hammer	1/8" Drill bit	Masonry $\frac{3}{4}$ " Drill bit
Drill	1/4" Drill bit	
Center Punch	3/4" Drill bit	
7/16" Nut Driver	3/8" Drill bit	
5mm Hex Key	Philips head screw driver	

Anti-Pry Plate & Lock Thru-Bolts


(1) 7x3" Anti-Pry Plate

* If installing exterior entry elements, see note below

Anti-Pry Plate Fasteners
Bag "A1"


- (4) 1/4"-20 "K" lock nuts
- (4) 1/4"-20 acorn cap nuts
- (2) 1/4"-20 x 2-1/2" carriage bolts (Back)
- (2) 1/4"-20 x 2-3/4" carriage bolts (Front)
- (2) 1/4" Flat washers (Back)
- (2) Stamped washers

Hinge Side Bolt
Bag "G"


(1) Hinge Side Bolt

(2) 1/4"-20 "K" lock nuts

(2) 1/4"-20 acorn cap nuts

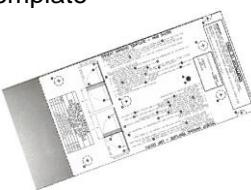
(2) 1/4"-20 x 2-1/2" carriage bolts

(1) Thru-bolt Plate

Paddle
Bag "E"


(1) 12" Exit Paddle

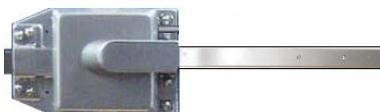
- (2) 1/4-20 x 1" Carriage Bolts
- (2) 1/4-20 K-Lock Nuts

Template


(1) Aluminum Door Template (LH & RH)



(1) Self drilling screw (taped to label)

Lock Mechanism


Assembled Main Lock Body

(Manual or Self-Locking Lock Body)

ALARM OPTIONS
SEL-A10


(1) Wall Mounted Battery Alarm w/ 48" armored cable and snap connector

Bag "K"

Alarm Straps


(7) Alarm Straps

(14) Self drilling screws

Bag "D"


(1) Strike plate

(2) 1/4 x 1-1/2" Hex head washer self drilling screws

(2) Self drilling sheet metal screws for positioning


A20 PACKAGE INCLUDES:

- 1) **PS-501**- Power Supply factory wired with leads, snap connector and e-clip
- 2) **SEL-A20**- Keyed alarm box with factory-wired armored cable and reed switch snap-in connector. Requires 1-1/8" Mortise Cylinder with "Clover" type cam (by others).
- 3) **Bag "J"** (x 2) Armored Cable Support Brackets (14) & Screws (28)
- 4) **Bag "K"** Anchors and screws (may require others depending on wall type)


**Need Help?
Have A Good Comment?
Call 800 622-LOCK**

1. Door Marking & Drilling

IMPORTANT: Make sure the door swings free and smooth before you begin the installation. Remove all old locks, exit devices, any slide bolts or other hardware & brackets. Make sure any exposed holes left from previous hardware are completely covered after installation.

Make any adjustments to make the door swing FREELY before you start marking and installing.

1. Stand inside & close the door; measure 50" from the bottom of the door. Starting at the mark, draw a 12" vertical line along the stop **A** for single door or SEL-DDA for double door.

2. Measure and mark a horizontal line 45-1/2" from bottom of the door across width of door **B**. *If installing a double door model, run line at least 4" across the inactive leaf.*

Height can be adjusted now, if needed to cover any cylinder holes or exit device holes. Redraw the horizontal line if you adjust the height.

Place metal marking template at intersection **C** where **A** and **B** lines meet.

3. Mark the center edge hole **D**.

4. Remove template. Center punch pilot hole **D**.

5. Fasten template to door with the #8 self-drilling sheet metal screw provided.

6. Punch the center point for all marked holes.

7. Remove the template.

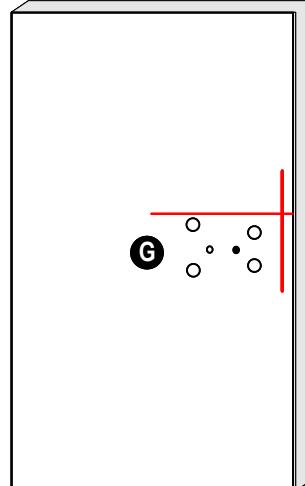
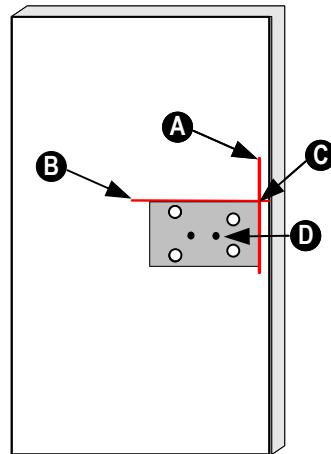
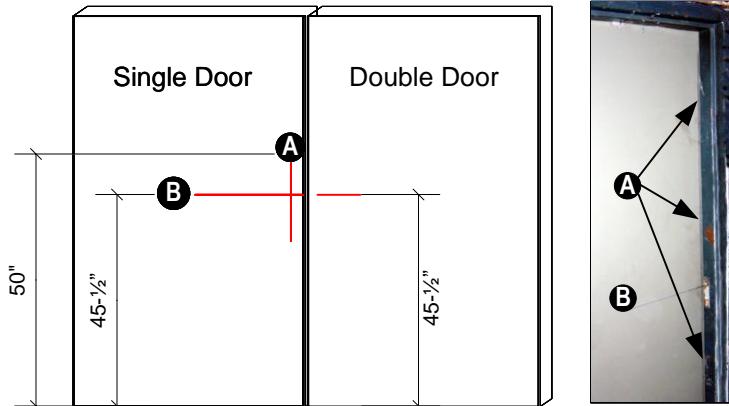
8. Drill all 1/8" dia. pilot holes **F**. 

MAKE SURE YOUR DRILL IS LEVEL WHEN YOU ARE DRILLING HOLES.

9. Drill all holes 3/8" dia. through the door **G**.



If Installing on Double Door, Refer to SEL-IAL Instructions first



If Exterior Key Control is being installed. Use template and drill holes at this point.

See separate Exterior Key Control Instructions and parts list.

2. Lock Body: Bag A1

A Place the Anti-pry plate on the outside of the door and align with the front holes. Insert the 2 carriage bolts through the anti-pry plate.

B Align the lock body with the top of the horizontal reference line, using a level to ensure the mechanism is level, then fasten as follows:

C **Front Holes:** 3" long carriage bolts, k-lock nuts & acorn caps

Rear Holes: 2-1/2" long carriage bolts round washers outside. Inside- flat washers, k-lock nuts & acorn nuts

Do not compress door.

D **For manual-locking models,** it is *highly recommended* to install a pull handle, such as the one pictured, on the interior door surface above the mechanism. Pulling paddle arm to close door will ultimately damage the mechanism. Paddle arm should only be pulled to lock mechanism.

3. Strike Plate: Bag D

A Retract the bolt by pressing the paddle. Close the door.

B Insert the strike plate with roller towards the outside.

Extend bolt and center in strike box. Top of bolt should be approx. 1/8" from top of strike opening.

Trace outline of strike box on frame.

Open door, place strike in outline.

Make sure strike is level.

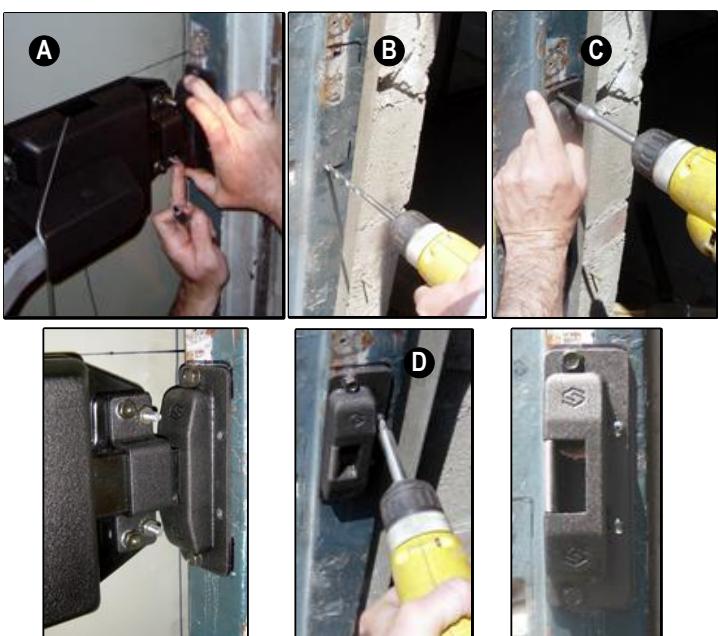
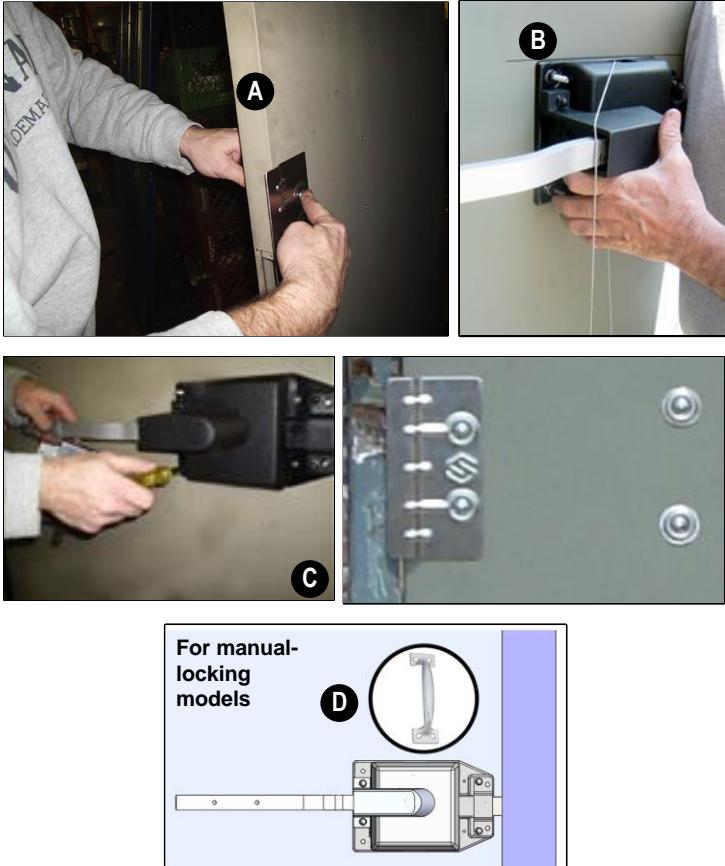
Mark top and bottom strike plate oval mounting holes.

Remove the strike plate and mark the center of each oval. Center punch the mark.

C Drill 1/8" dia. pilot holes.
Fasten strike to door with self-drilling #14x1-1/2" self drilling screws.

Ensure smooth operation:
Manual Locking Models: Pull paddle to extend bolt.
Self-Locking Models: Trigger should hit strike plate and project bolt.

D Install 2 rear self-drilling screws.



4. Paddle: Bag E/E1

Paddle: Bag E

Fasten the paddle to the paddle arm with small carriage bolts and nuts (Bag E). **A**



5. Hinge Side Bolt: Bag G

With door closed, mark vertical line approx. 4" long at the point where the stop overlaps onto the door. Height should be approx. 50" from floor (height can vary).

With door open, place the Hinge-Side Bolt on door and recess 1/8" from the vertical line. Mark centers of thru-bolt holes.

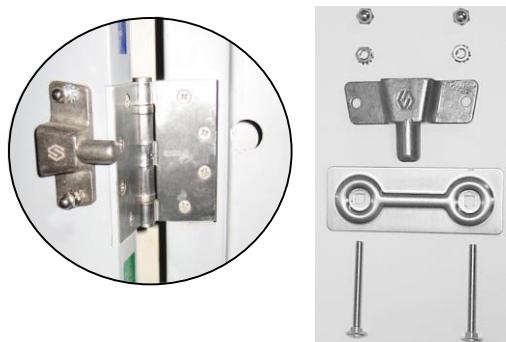
Center punch holes. Drill 1/8" pilot hole. Enlarge to 1/4". Remove all burrs.

Fasten Hinge-Side Bolt to door with Thru-bolt plate, 2-1/2" carriage bolts lock washers and cap nuts.

Mark bolt location on frame. Drill up to 3/4" hole.

It is usual for this hole to be "Egg shaped" towards the outer edge of the door stop.

Remove all burrs and check for smooth operation.



6. Optional Alarm

Complete alarm installation
instructions furnished with alarm

All SERPENT alarms are installed after the lock has been installed. Use a flat head screwdriver to pop-off the jack cover.

Mount the alarm or keyswitch to the wall at approx. 48" from floor.

Run the armored cable on the wall, make a loop and run across the door, fastening with the mounting clips provided.

