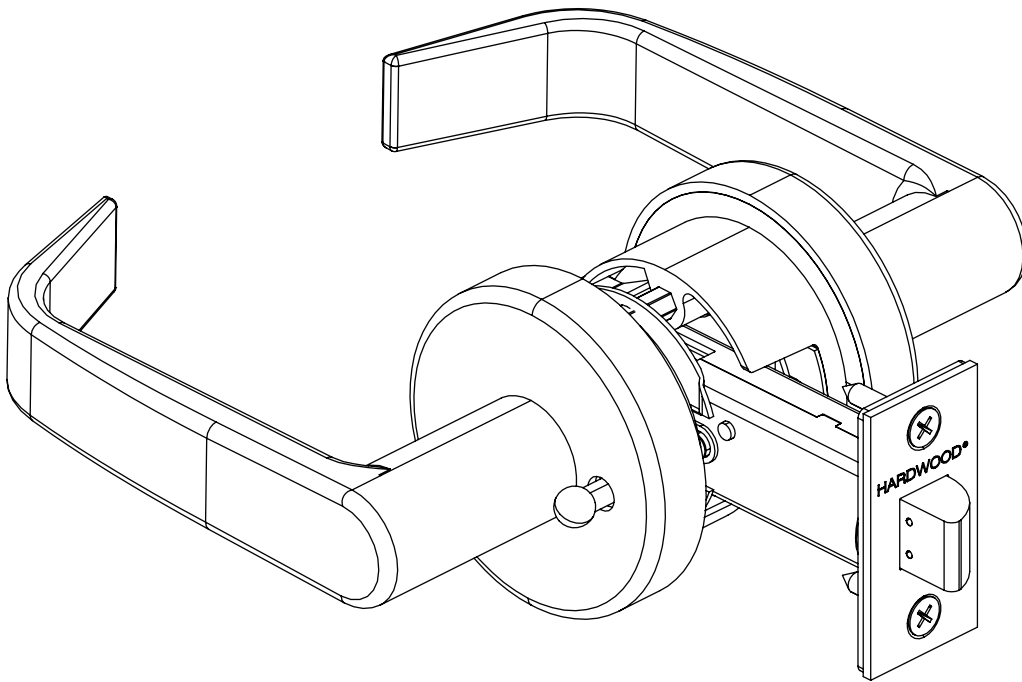


B10 Series

Latch bolt Lock



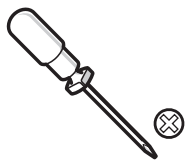
WARNING

Installers should be aware that improper installation may cause product damage and void the factory warranty.

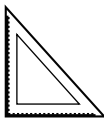
B10 Series

1

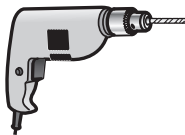
Tools Required



Phillips screwdriver



Set square



5/16 "



1-1/8 "



2-3/16 "

Drilling machine & heads



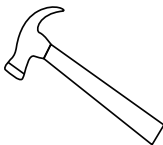
Chisel



Pencil



Tape measure



Hammer

2

Options

Picture	Model no.	Accessories	Match lever
	B10-01 B10-02	—	T30
	B10-03	Locking button	T30
	B10-01F	Fire bracket	L17/L30/L70
	B10-03F	Locking button Fire bracket	L17/L30/L70

3

Product components

Inside

Outside

No.	Description	Qty.
1	Lever	1
2	Set screw	1
3	Rose assembly	1
4	Push button	1
5	#8-32UNCx1 " screw	2
6	Inside spring housing	1
7	Turn spindle	2
8	PH Flat #8-32x3/4 " + #8 wood screw thread	2
9	Fire bracket	1
10	Outside lever assembly	1
11	Strike	1
12	Strike box	1
13	PH Flat #12-24x3/4 " + #12 wood screw thread	2

4

Handing

a

Inside/Outside Lever Change (If needed)

- Confirm the direction of door opening before installation.(Figure 1)

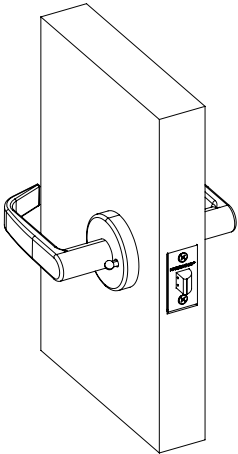
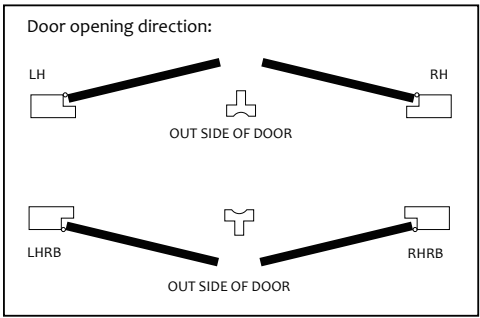


Figure 1

b

Inside/Outside Latch Bolt Change (If needed)

- Decide the installation direction according to the direction of door opening, rotate the latch bolt head (Figure 2) to desired direction before installation (if needed).

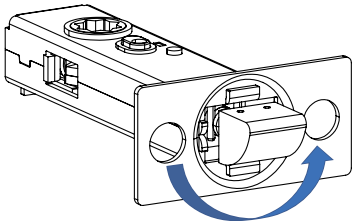


Figure 2

- Check the template to prep door for function holes, size & location

a Position the template and mark the locations (Figure 3)

- Fold and apply template on the high edge of beveled door at the desired height from floor.
- Mark Centerline on both faces and edge of door.
- Mark the drill points for trim and latch.

Note:

- For B10-04, do not drill latch holes and trim holes.
- For B10-05, do not drill latch holes.

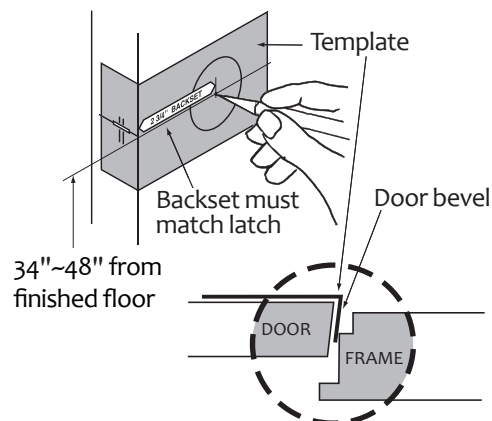


Figure 3

b Drill latch and trim Holes (Figure 4)

- Drill 1-1/8" (28mm) diameter hole from edge of door for latch bolt that intersects 2 3/16" (55mm) hole.
- Drill 2-3/16" (55mm) diameter hole from both sides of door to the center of door for lever.
- Make 2-5/16" x 1-1/8" x 4/69" (58x29x3.5mm) cutout for face plate of latch.

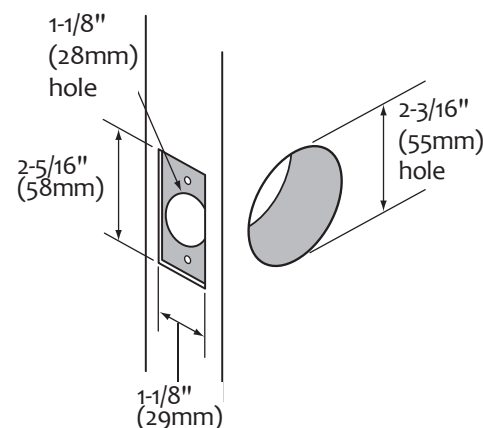


Figure 4

c Prepare frame and install Strike (Figure 5)

- Mark the strike location, make sure to align strike and latchbolt centers.
- Mortise door jamb per template to fit strike.

ST01 strike:

Make pocket 2-15/16" x 7/8" x 1-1/8" (75x23x29 mm)

Make cutout 4-7/8" x 1-1/4" x 1/8" (124x32x4 mm)

ST02 strike:

Make pocket 1-13/32" x 1-1/32" x 1-1/8" (36x26x28mm)

Make cutout 2-3/4" x 1-1/8" x 1/8" (70x29x3mm).

- Secure the strike plate with screws provided.

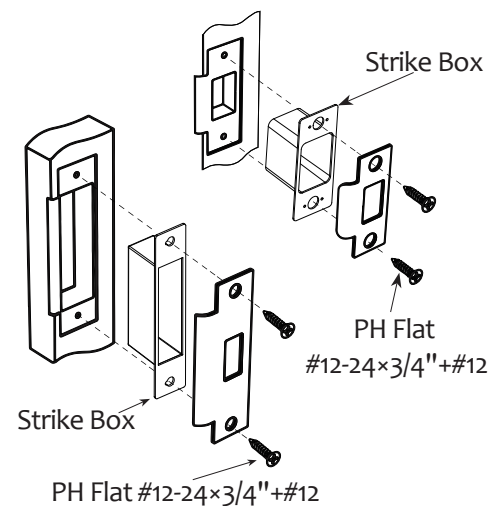


Figure 5

a Install latch (Figure 6)

- Be sure bevel edge of bolt faces strike plate.
- For fire doors, put the fire bracket into bore first.
- Slide the latch into latch hole
- Install two (2) PH Flat #8-32x3/4" + #8 screws and check the door swing, do not tight the screws before step B is finished.
- For B10-03/03F privacy function, push button hole face inside of door (Figure 7).

Note:

- Tight the screws after step B is finished.
- Do not install lock with door closed.

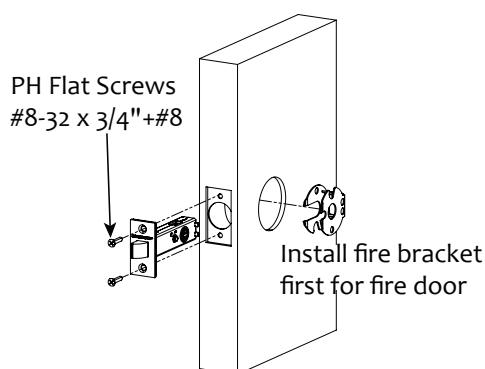


Figure 6

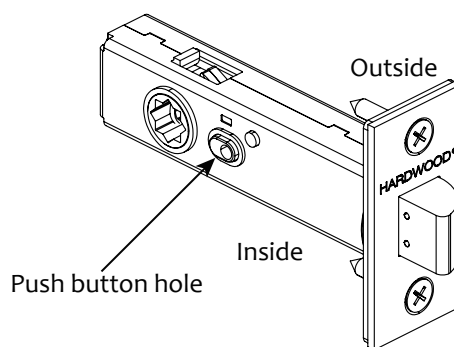


Figure 7

b Install levers

- Insert the outside spindle into the spindle hub, then slide outside lever assembly into bore. (Figure 8)
- Insert the inside spindle into the spindle hub, then install inside mounting plate assembly using (2) 8-32UNCx1" screws to fix outside assembly. (Figure 9)
- Screw rose onto inside spring housing assembly, then install inside lever onto spindle. (Figure 10)
- Use the set screw to fix the inside lever. (Figure 11)
- For B10-03/03F privacy function, screw the push button into the inside rose. (Figure 12)

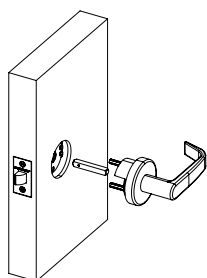


Figure 8

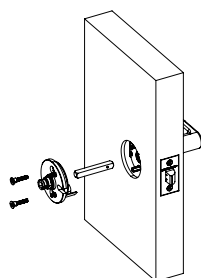


Figure 9

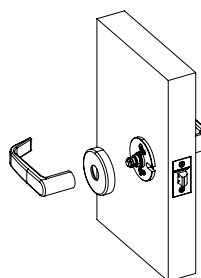


Figure 10

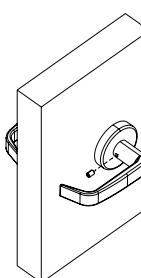


Figure 11

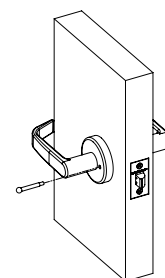


Figure 12

c Tight the screws of face plate

Installation Instructions

7

Trial Operation

- a Latch bolt must stop on strike when door is closed. (Figure 13)

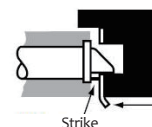


Figure 13

- b Press push button to lock the door. Latch bolt operated by inside lever, outside lever inoperative.

- c When push button released, latch bolt operated by lever from either side.

Note:

- If any component can't work smoothly, do not force the operation. Verify the correct direction and adjust if necessary.
- Test all functions with the door open. Make sure all functions work correctly before close the door.

8

Other Functions

- a Install single dummy trim B10-04 (Figure 14)

- Install inside Spring housing assembly using (2) PH Flat #8-32+#8 wood screws.
- Install rose onto spring housing assembly.
- Install lever onto Spring housing. Fix the lever with set screw.

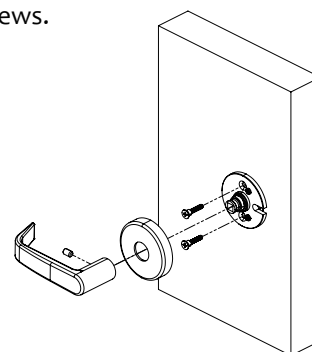


Figure 14

- b Install double dummy trim B10-05 (Figure 15)

- Install through-bolt outside lever assembly.
- Install inside Spring housing using (2) #8-32UNCx1" screws.
- Install rose onto spring housing assembly.
- Install lever onto Spring housing, fix the lever with set screw.

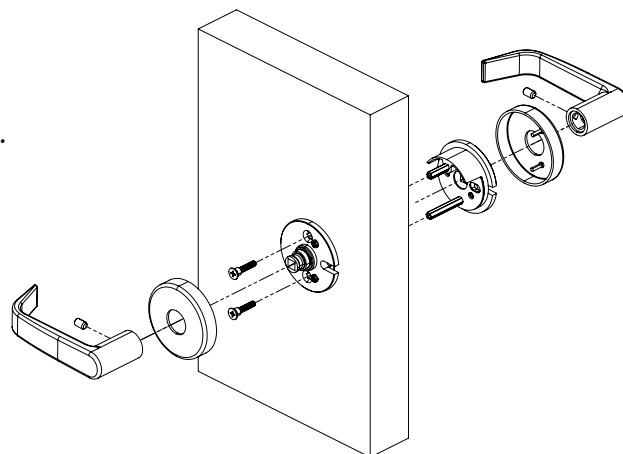


Figure 15

Installation instructions can be downloaded from www.hardwoodsecurity.com