

BALDWIN

KEYLESS ENTRY DEADBOLT

Installation & Programming Manual

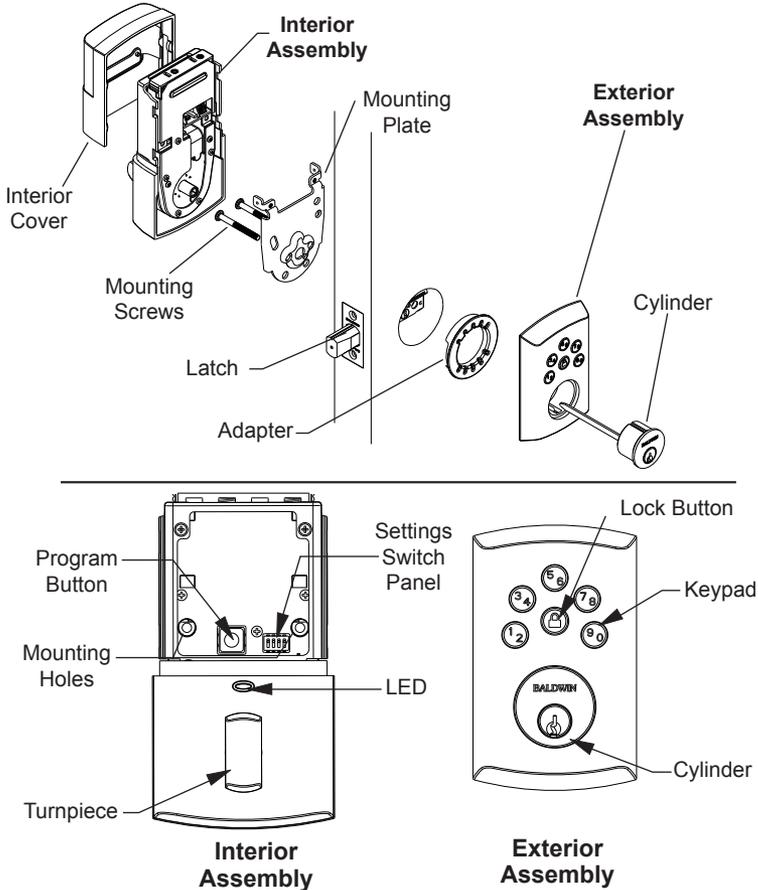
Getting Started

- Prepare door, per additional instructions (included) before installing unit.
- **IMPORTANT:** Read instructions completely before beginning installation.
- Refer to “Quick Reference” area and illustrations to identify components.

Use the checklist below to assure completion of important steps.

- ATTACH CONNECTOR Section 5
- RUN “BOLT DIRECTION” DETERMINATION Section 8
- PROGRAM CODE(S) Section 9 a, b, c
- VERIFY OPERATION Section 9 d

Quick Reference



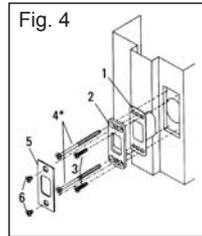
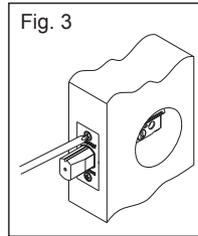
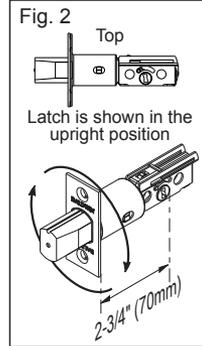
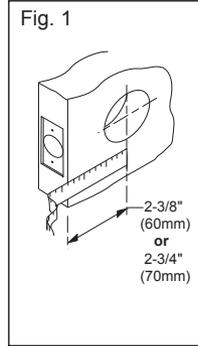
1. Install latch and Strike.

a. Determine your backset, see figure 1. (Note: Latch is shipped in the 2-3/8" back set.)

b. Extend bolt. If a 2-3/4" (70mm) backset is required adjust latch as shown. (See figure 2).

c. Install latch in the upright position, securing with small wood screws (see figure 3).

d. Install strike and components as illustrated. 1) Dust Box, 2) reinforcing strike, 3) wood screws, 4) 3" wood screws, 5) face plate, 6) finished screws (see figure 4).

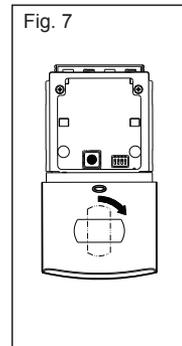
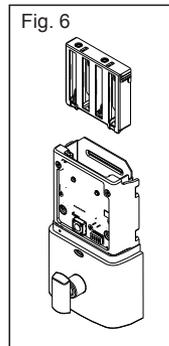
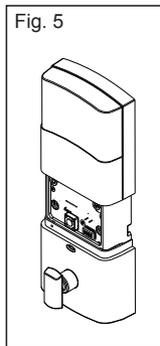


2. Remove cover and battery case.

a. Remove cover from assembly by sliding cover up and off, see figure 5.

b. Remove the battery case from interior assembly by lifting the case up and out and set aside, see figure 6.

c. Rotate turnpiece to be horizontal, see figure 7.

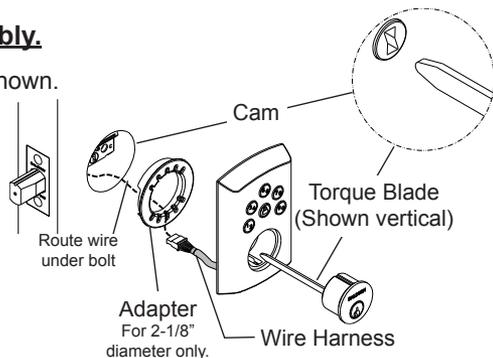


3. Install Exterior Assembly.

a. Place adapter on door as shown.

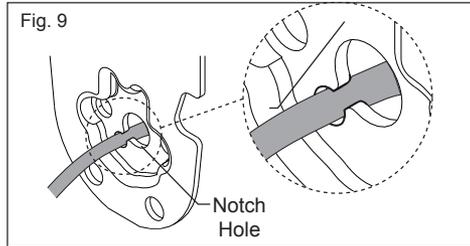
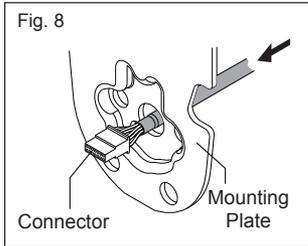
b. Insert cylinder into exterior assembly. Ensure torque blade is vertical.

c. Place assembly on door, threading the wire harness through adapter and under the latch.



4. Install Interior Mounting plate.

a. Carefully insert the connector of the wire harness - through the center hole of the mounting plate (see figure 8).



b. **Important**, once the connector has passed through the center hole, tuck the wire harness out of the way by pressing it into the notch hole as shown in figure 9.

c. Slide wires through the notch until mounting plate sits flush against door.

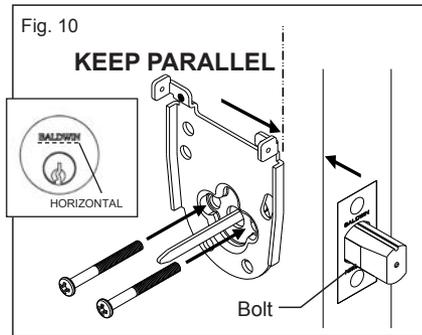
d. Making sure that **exterior assembly and cylinder** are pressed flush against exterior door, with Baldwin cylinder logo horizontal, insert mounting bolts and tighten.

e. Check the vertical alignment for mounting plate **and** exterior assembly. (See figure 10.)

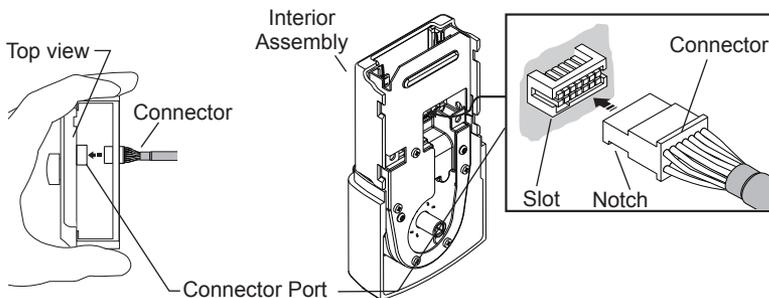
f. Test. Using the key, retract and extend the bolt a few times to test for smooth action.

g. If action feels rough, loosen the screws and re-align the mounting plate and the exterior assembly.

h. Repeat as required.



5. Attach the Connector to the Interior Assembly.



Important Note: To prevent damage, always handle the wire harness at the connector (do not pull wires).

a. Align the connector with the connector port of the interior assembly, matching notch to slot.

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5. Continued.....

- b. For easier orientation, view the alignment of connection from the top of the interior assembly.
- c. Once aligned, push the connector in firmly to connect.

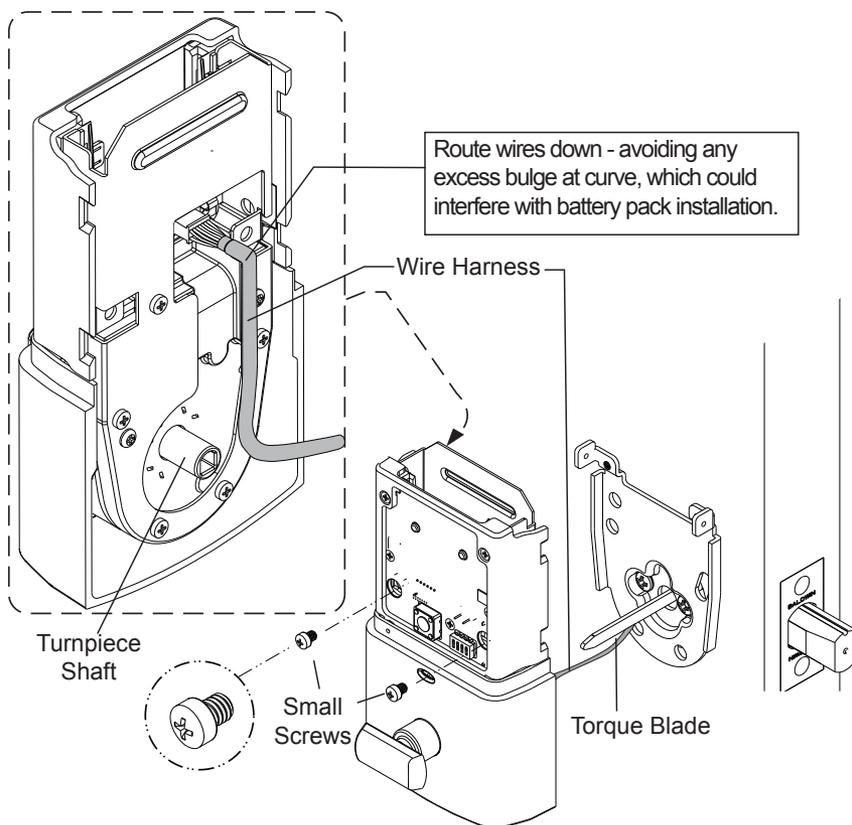
6. Install Interior Assembly.

- a. Making sure wires are clear of pinching and wire harness is routed as shown, place the interior assembly on door, aligning torque blade inside the turnpiece shaft.

Note: Turnpiece may be difficult to turn until step 8 "Automatic - Bolt Direction Determination" is completed.

- b. Once flush on door, insert and tighten small screws to secure assembly onto the mounting plate.

Note: To aid insertion of screws, approach the screw holes with the screw loaded onto the screwdriver.



Important before proceeding:

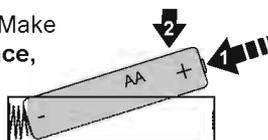
1. Verify that position #2 of the "Settings Switch" is in the **OFF** position. (Refer to section 10.)
2. Work with the door open (away from jamb) to avoid accidental lock out.
3. Make sure the bolt is in the extended (locked) position.

7. Install batteries into battery pack.

Note: Do not install battery pack into unit until you start step 8.

a. Install 4 new AA Alkaline batteries.

Install the new batteries as indicated in illustration. Make sure batteries lie flat in holder. **For best performance, rechargeable batteries are not recommended.**



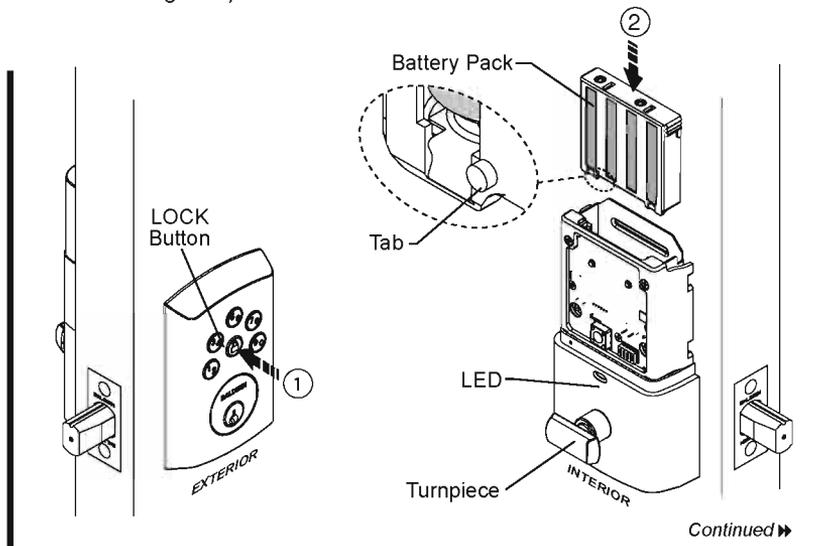
⚠ Alkaline Battery WARNING:

Do not dispose of in fire, recharge, put in backwards, disassemble, mix with used or other battery types. May explode or leak and cause personal injury.

⚠ IMPORTANT: DO NOT SKIP THE FOLLOWING STEP. LOCK WILL NOT BE ABLE TO OPERATE PROPERLY! ⚠

8. Automatic - Bolt Direction Determination (Door Handing).

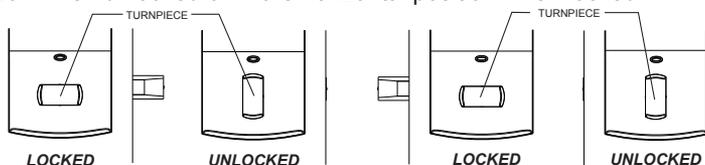
- In the steps below, the Keyless Entry Deadbolt mechanism **automatically** determines the "door handing" and sets the proper direction for motor to rotate. The system will drive the bolt several times during this process.



8. Continued.....

a. Press and hold the “LOCK” button on the exterior keypad, while fully inserting the battery pack into the interior assembly (the tab on the pack must face out - see illustration). Hold down lock button until you hear 2 beeps (about 20 seconds). **It is very important that this process is allowed to finish properly.**

b. Note that the turnpiece is functioning properly when it is in the vertical position when unlocked or in the horizontal position when locked.

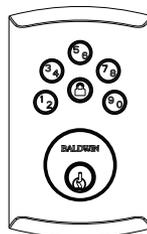


9. Programming a User Code.

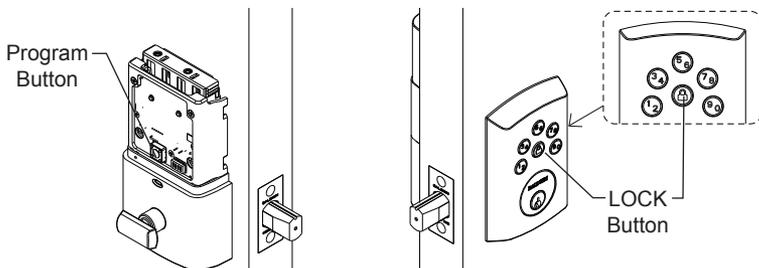
How the keypad works:

Each button represents two numbers (i.e. 1 and 2 for the first button). You only need to push the button once to get either 1 or 2. For example: If your code is 1-2-5-6-8,

- Press the (12) button once to get number 1.
- Press the (12) button once to get number 2.
- Then press the (56) button once to get number 5.
- Then press the (56) button once to get number 6.
- Finally press the (78) button once to get number 8.



- A programmed code can be from four (4) to eight (8) digits long.
- For maximum security an 8 digit code is recommended.
- Up to 2 user codes can be entered.
- Excess delay in the programming steps once started will cause unit to beep twice and will require you to restart from step (9a) below.



Programming the 1st user code.

- a. Press the program button on the interior unit once.
- b. Enter in 4 to 8 digit code onto the keypad.
- c. Press the “LOCK” button to save code.

Continued ➡

9. Continued.....

- d. Extend the bolt by pressing the “LOCK” button and re-enter the code to test. The bolt should retract to the unlocked position. If it does not unlock, repeat steps (a) through (c).

Programming the 2nd user code.

- a. Press the program button on the interior unit twice.
 b. Enter in 4 to 8 digit code onto the keypad.
 c. Press the “LOCK” button to save code.
 d. Extend the bolt by pressing the “LOCK” button and re-enter the code to test. The bolt should retract to the unlocked position. If it does not unlock, repeat steps (a) through (c).

Note: Programming instructions can also be found on interior of lock.

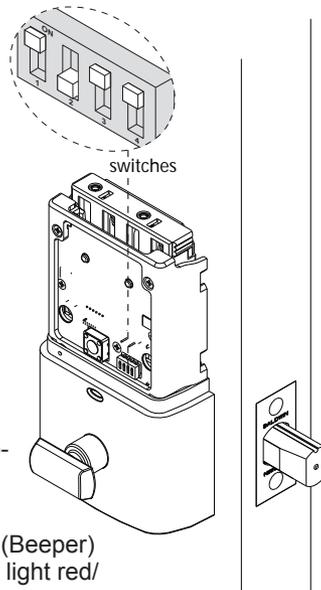
⚠ CAUTION: Prevent unauthorized entry. This lock can be opened using two different codes that are randomly set at the factory. Upon installation and set-up, replace both of these codes with your own. Since anyone with access to the power board can change these codes, you must restrict access to the power board and routinely check both codes to assure they have not been altered without your knowledge.

10. Keyless Entry Deadbolt User Selectable Settings.

Switch #1 ☀ Status LED blinks every 5 seconds when in the ON position.

Note: The low battery RED LED cannot be disabled.

Switch Position	LED Color	Lock Status
ON	Green	Unlocked
	Orange	Locked
	Red	Low Battery
OFF	Red	Low Battery



Switch #2 Ⓒ Enables the AUTO LOCK when in the ON position. With Auto Lock enabled, Keyless Entry Deadbolt will automatically relock the door (extend the bolt) 30 seconds after unlocking.

Switch #3 🎵 Enables the AUDIO sound (Beeper) when in the ON position. Keypad will now light red/green when buttons are pressed.

Switch #4 ○ Extra switch with NO FUNCTION.

Hint: for easier access, use a ball point pen to operate the switches.

11. Low Battery Indicators.

1. The interior LED

- Regardless of switch #1 position, under “Low Battery” condition - red LED will flash every 5 seconds.

2. The exterior Keypad (when switch #3 is OFF).

- After a correct code is entered, the keypad will flash red multiple times for approximately 3 seconds.

3. The Audio Indicator (when switch #3 is in the ON position).

- After a correct code is entered the unit beeps multiple times for approximately 3 seconds.

Note: For future battery replacement, remove battery pack, replace batteries (see section 7) and simply reinsert battery pack as shown, a beep and a Green LED flash will indicate a successful system initialization. No bolt direction determination is required after the initial installation unless the lock is re-installed on a different door.

12. Keypad Lights.

a. Keypad Back Light

- When the door is in the locked position, press the lock button to light up the keypad. In a “very low battery” condition the keypad will not light up.

b. Keypad light signals

- Switch 3 off – the keypad will flash red every time you press a button.
 - Low Battery Warning – After a correct code is entered, the keypad will flash red multiple times for approximately 3 seconds.
 - Bolt not fully extended – the keypad will light up red, the beeper will sound for 3 seconds. This will alarm the user to try and lock the door again.
 - Incorrect Codes Entered – when three incorrect codes are entered into the Keyless Entry Deadbolt the keypad will flash red and the beeper will sound for 15 seconds. The keypad will not allow input for 60 seconds after which you can re-enter a code and try again.
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WARNING: This Manufacturer advises that no lock can provide complete security by itself. This lock may be defeated by forcible or technical means, or evaded by entry elsewhere on the property. No lock can substitute for caution, awareness of your environment, and common sense. Builder’s hardware is available in multiple performance grades to suit the application. In order to enhance security and reduce risk, you should consult a qualified locksmith or other security professional.

13. Frequently asked Questions (FAQs).

Q: I just completed the installation of a Keyless Entry Deadbolt unit on my door; I am unable to operate it manually, although I checked for smooth bolt operation during installation. What should I do?

A: You need to run the "Bolt Direction" routine again; allow the process to run to completion see Section 8 in User's Manual.

Q: Sometimes, when I operate the lock manually, I "feel" a bump while turning the turn-piece.

A: On installations where door alignment is less than optimum (Latch and strike do not quite line up) the Keyless Entry Deadbolt may not be able to FULLY extend (or retract) the bolt when commanded to do so. This causes the electro-mechanical components to go out of sync. To re-synchronize the system, perform the following:

1. Have the door repaired and aligned properly
2. On the Keyless Entry Deadbolt unit push the "Lock" button
3. On the Keyless Entry Deadbolt unit enter code to unlock
4. The unit is now synchronized

Q: How long will the Keyless Entry Deadbolt operate on a set of batteries?

A: Based on 15 operations per day, a single set of Alkaline batteries will operate the Keyless Entry Deadbolt for over a year.

Q: What type of batteries do you recommend?

A: For best results, use new non-rechargeable Alkaline batteries only.

Q: I just installed a Keyless Entry Deadbolt on my door but it does not operate correctly

A: This is probably due to incorrect or incomplete initialization. Please perform the following:

- a. Remove the battery pack
- b. On the Interior unit, press "Program" button three (3) times
- c. Wait at least 10 seconds
- d. Refer to section 8, "Bolt Direction Determination".

Q: I removed the battery pack momentarily and my lock does not work any more.

A: The system did not initialize properly due to remaining charge. To correct perform the following:

- a. Remove battery pack
- b. Press "Program" button three times
- c. Wait 10 seconds.
- d. Insert battery pack.
- e. The system should flash the Green LED and beep, indicating proper initialization
- f. Repeat a-d if initialization failed

Q: I am planning to be away for several months; will my lock operate when I get back?

A: When the system is idling, it consumes minimum power (very close to battery shelf life.) With alkaline batteries, the lock should be operable after years of idle. See also Questions and Answers below.

Q: I replaced my batteries less than a year ago and need to replace them again.

A: Check door alignment. If the Keyless Entry Deadbolt makes several attempts to lock or unlock the door, it may mean that the door is warped or it does not line up correctly with the strike. Operating the lock multiple times reduces battery life. Avoid turning on the keypad light unnecessarily.

Q: What settings should I use to get the maximum battery life out of my lock?

A: Set "Status LED" (SW1) and "Auto-lock" (SW2) to the off position.

This product is covered by one or more of the following patents or patents pending: 5123683 5317889 5335525 5335960 5441318 5452928 5482335 5490700 5496082 5513509 5513510 5529351 5540070 5570912 5662365 5761937 5810402 5816629 5857365 6058746 6128933 6151934 6398465 6401932 6412319 6443504 6532629 6536812 6568727 6598440 6662606 6695365 6702340 6745602 6828519 6860131 6860529 6862909 6871520 6880871 6948748 6951123 6959569 6971513 6973813 7007528 7100408 7104098 7114357 7117701 7152891 7156432 7162901 7213429 7234331 7308811 RE38693 D344011 D347564 D348602 D348821 D352888 D361488 D361489 D361706 D363872 D373063 D373523 D400777 D407292 D431443 D435423 D436933 D437216 D437771 D443194 D443808 D446122 D447927 D452131 D453897 D453898 D453899 D454049 D458839 D461700 D463968 D464565 D464877 D465989 D468636 D472794 D473780 D514921 D524630 D525512 D525516 D540140 D540147 D541621 D542115 D545169 D547830