Certification Exhibit
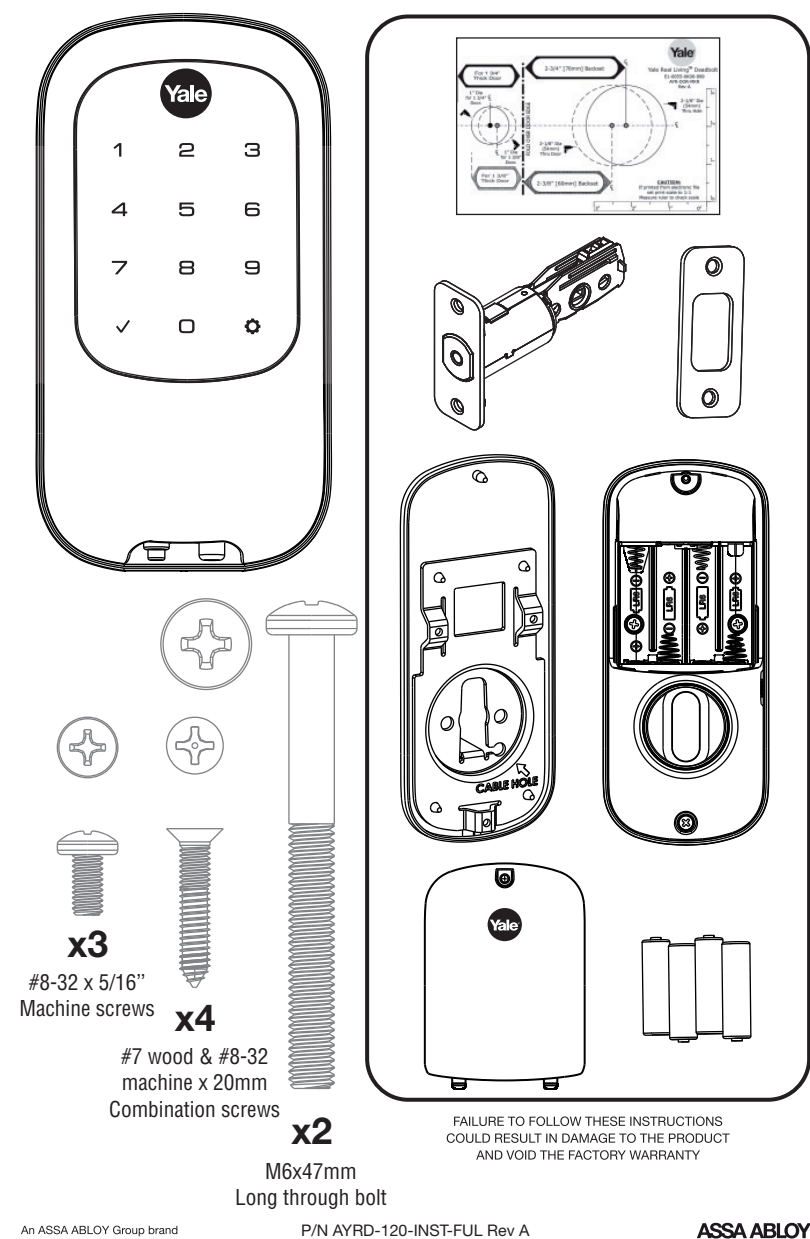
FCC ID: U4A-YRIZW1US
IC: 6982A-YRIZW1US

FCC Rule Part: 15.249
IC Radio Standards Specification: RSS-210
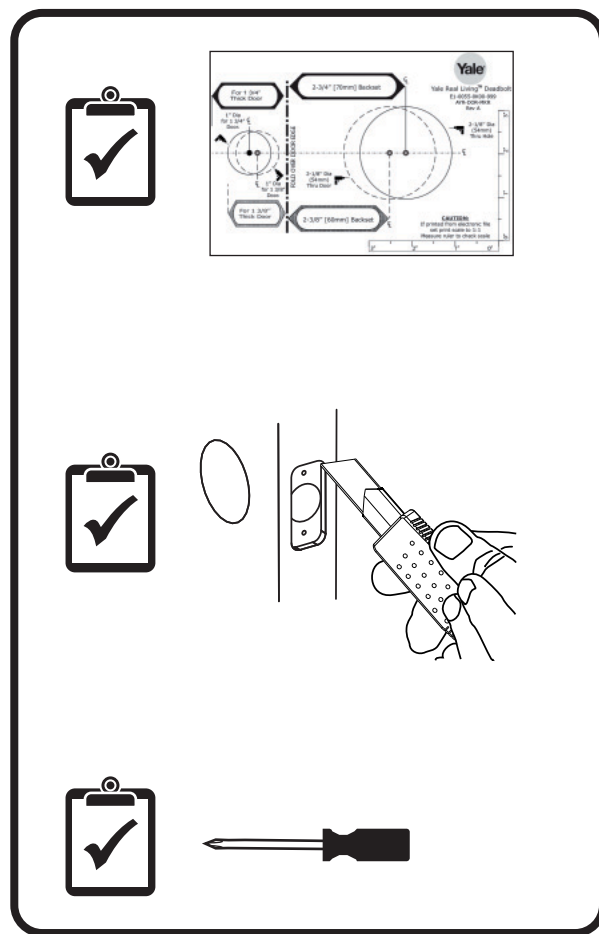
ACS Project Number: 14-0099
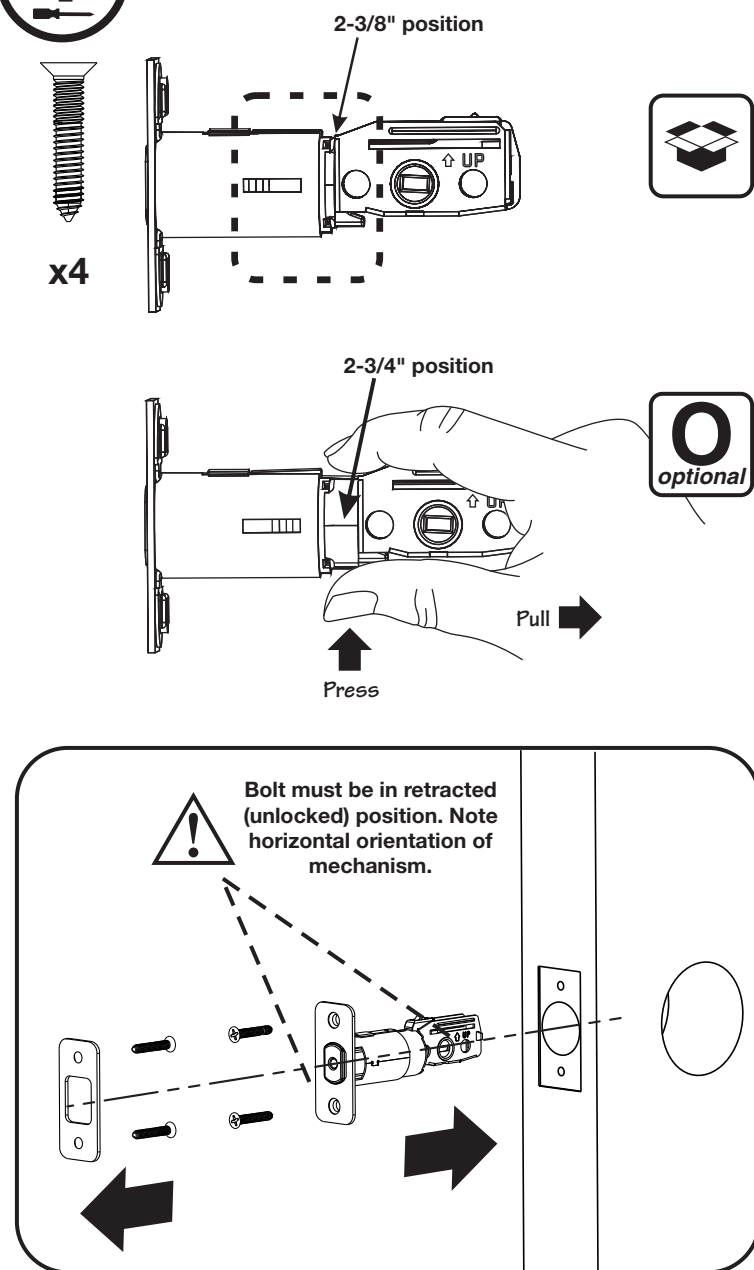
Manufacturer: Assa Abloy Inc.
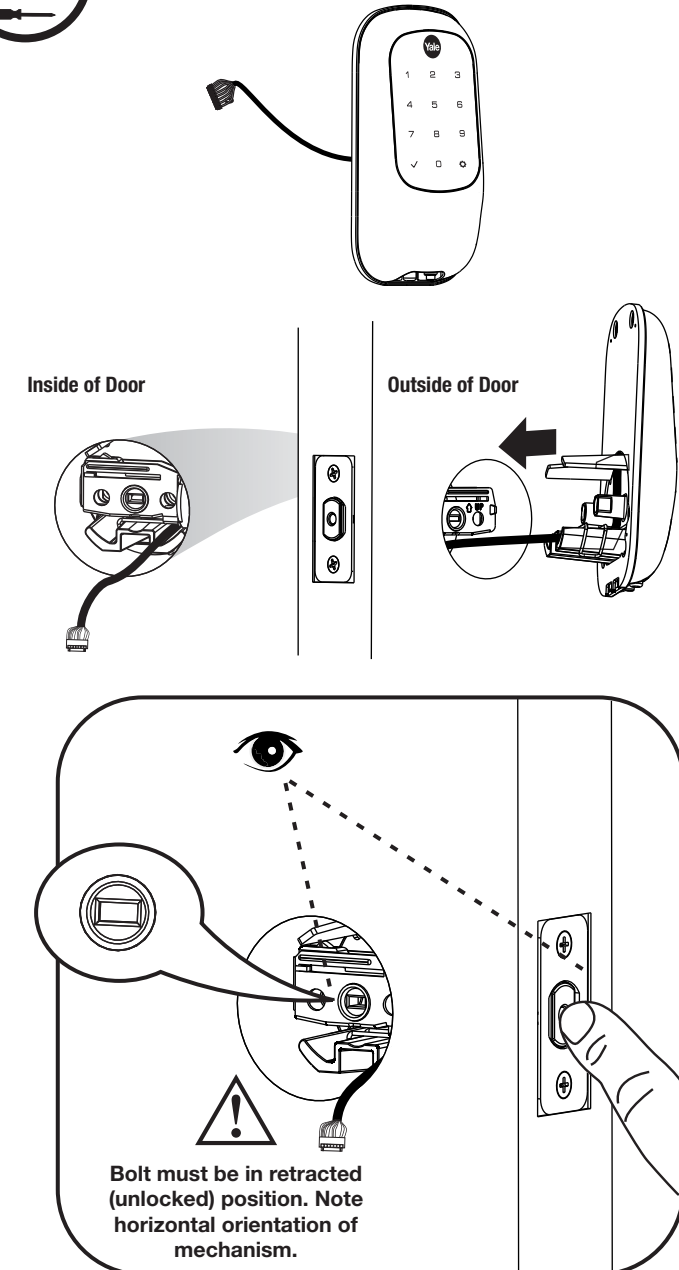Models: YRD110-ZW-US, YRD120-ZW-US

Manual

Preparing Door

x3
#8-32 x 5/16''
Machine screws

x4
#7 wood & #8-32
machine x 20mm
Combination screws

x2
M6x47mm
Long through bolt

FAILURE TO FOLLOW THESE INSTRUCTIONS
COULD RESULT IN DAMAGE TO THE PRODUCT
AND VOID THE FACTORY WARRANTY

An ASSA ABLOY Group brand

P/N AYRD-120-INST-FUL Rev A

ASSA ABLOY

1 Installing Latch & Strike Plate

x4

2-3/8" position

2-3/4" position

O optional

Press

Pull ➡

⚠ Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.

2 Installing Touchscreen Escutcheon

Inside of Door

Outside of Door

⚠ Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.

3 Installing Interior Mounting Plate

CABLE HOLE

x2

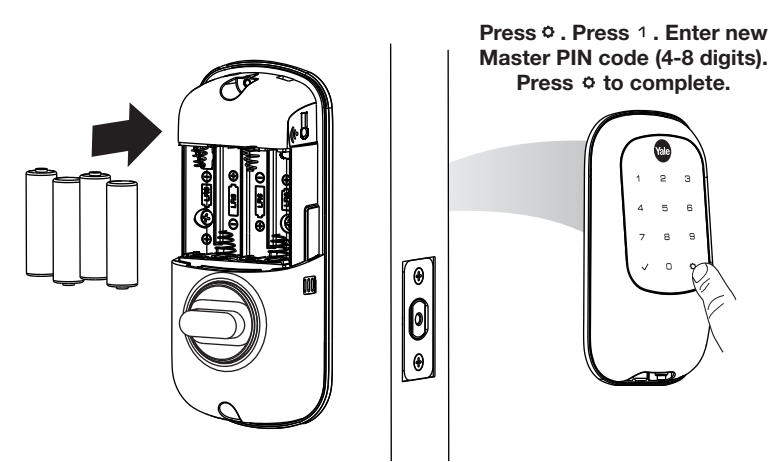CABLE HOLE
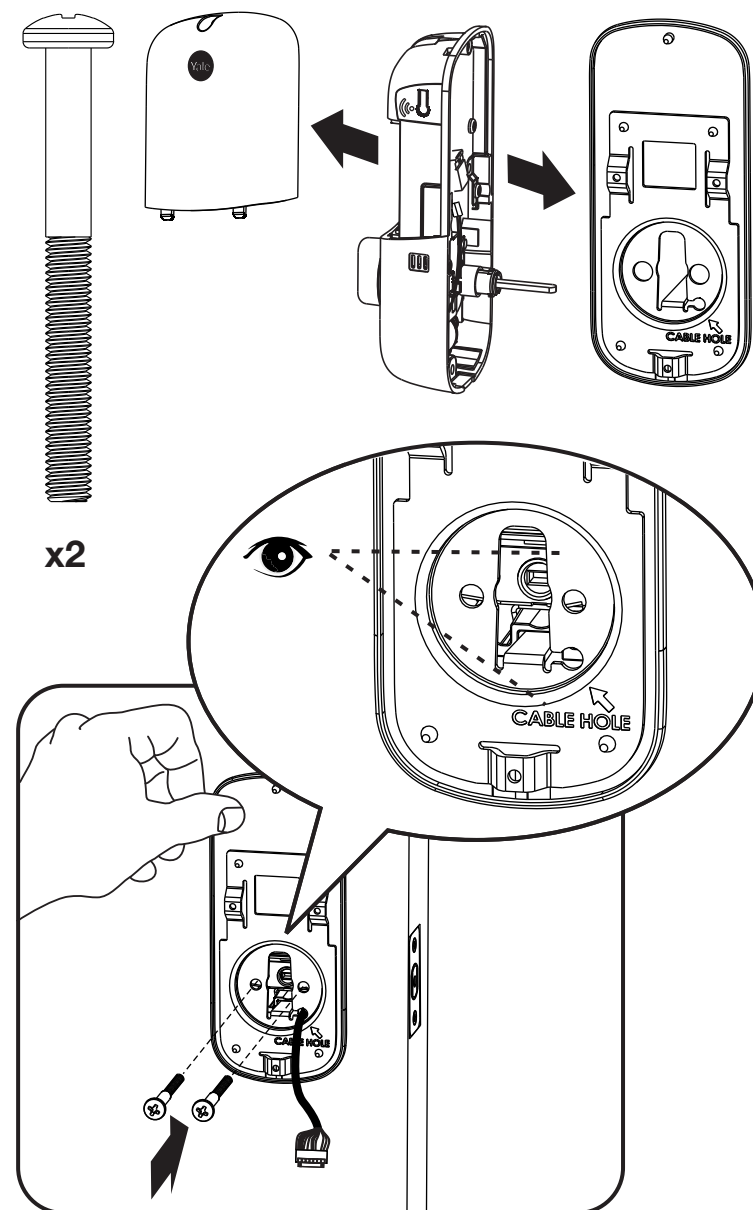
4 Attaching the Cable Assembly

CABLE HOLE
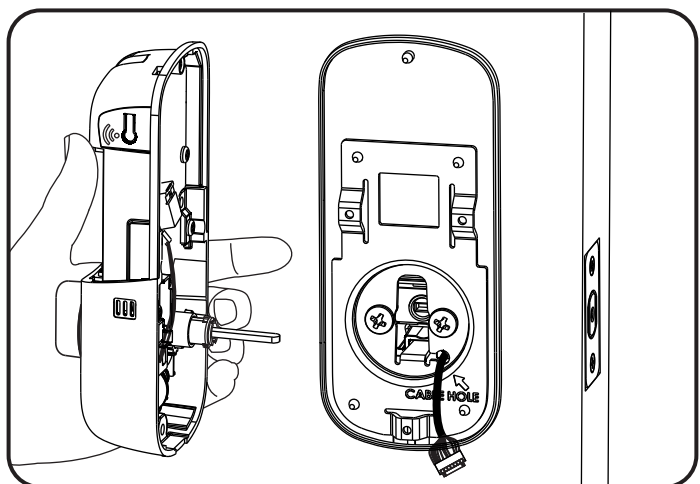
5 Installing Interior Escutcheon

x3

CABLE HOLE

✓ Testing Operation

⚠ Bolt must be in retracted (unlocked) position before installing batteries.

Handing the Lock

Press **O** . Press **1** . Enter new Master PIN code (4-8 digits). Press **O** to complete.

After entering the Master PIN code, press any key to complete handing.
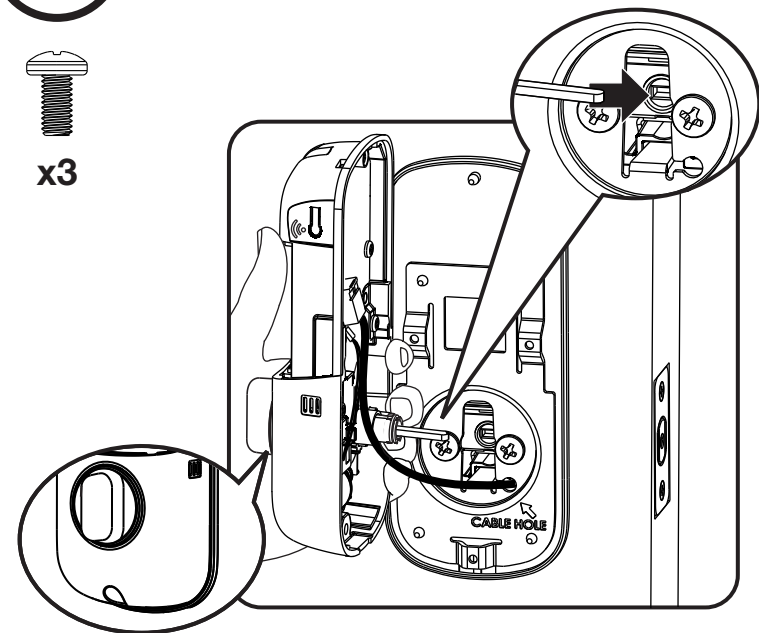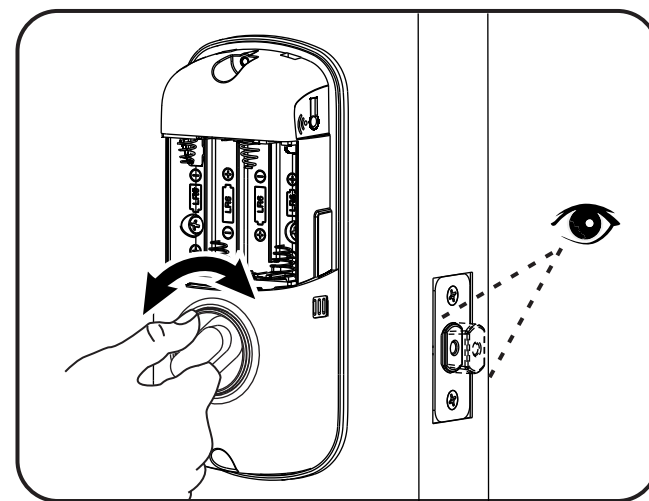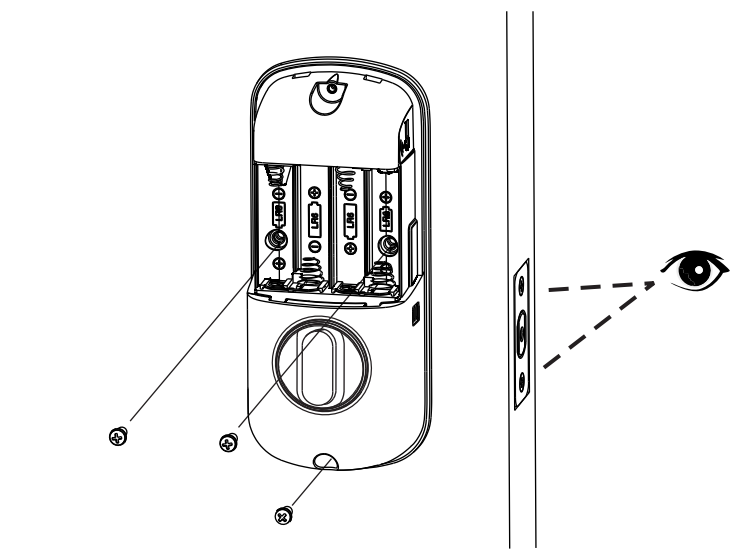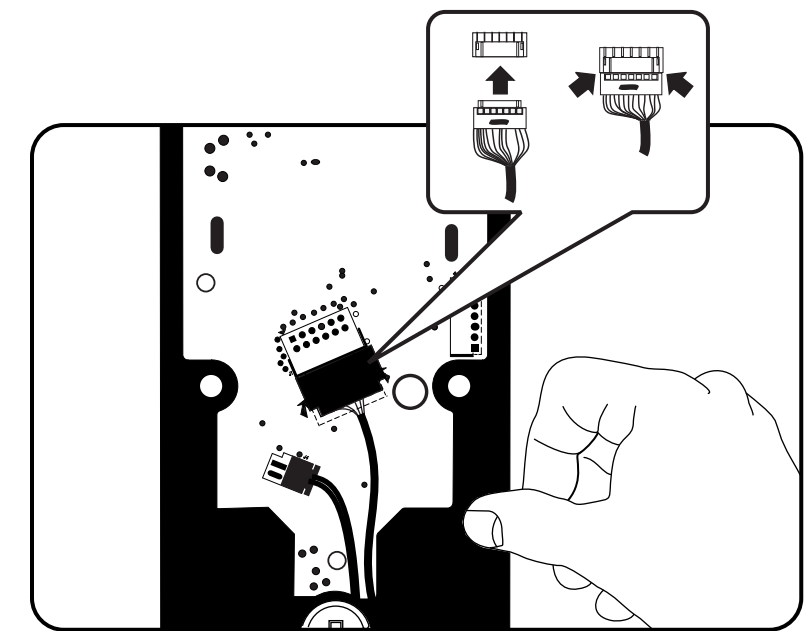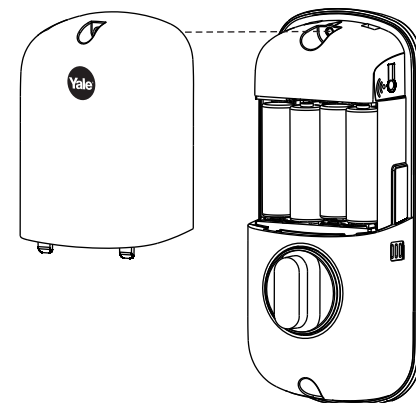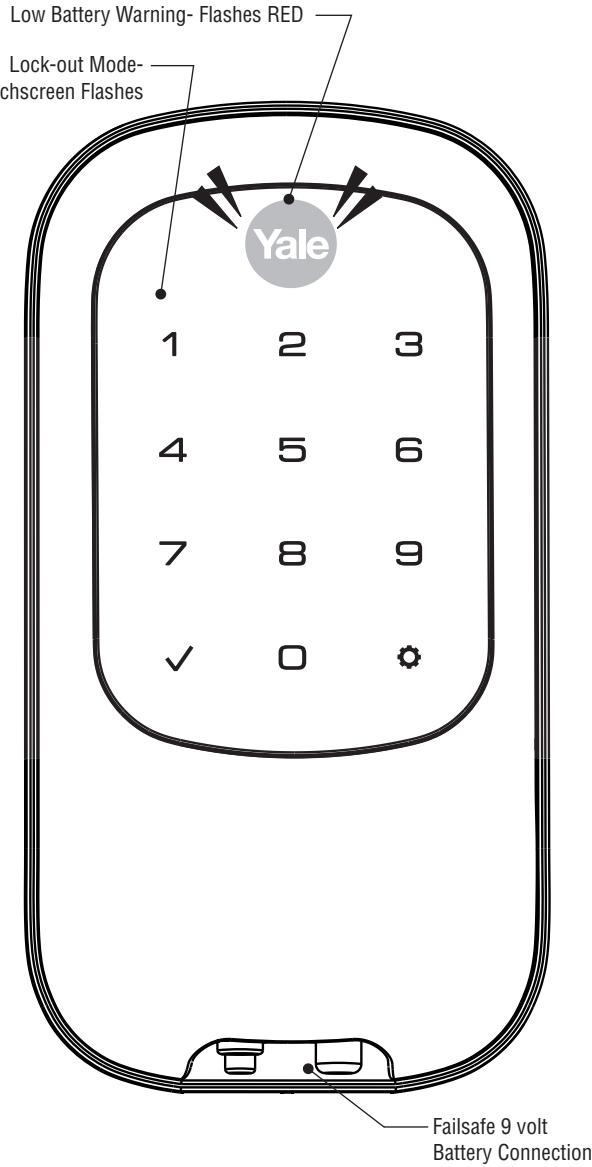
6 Installing Cover
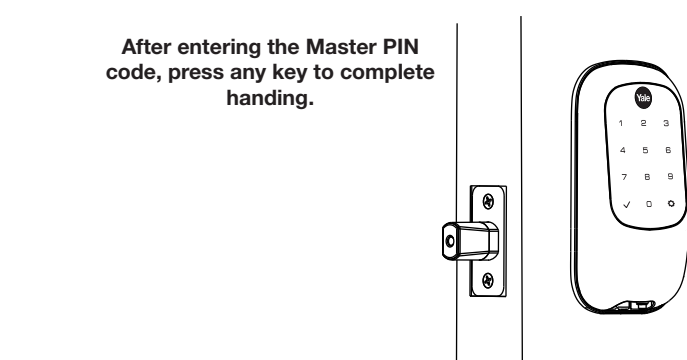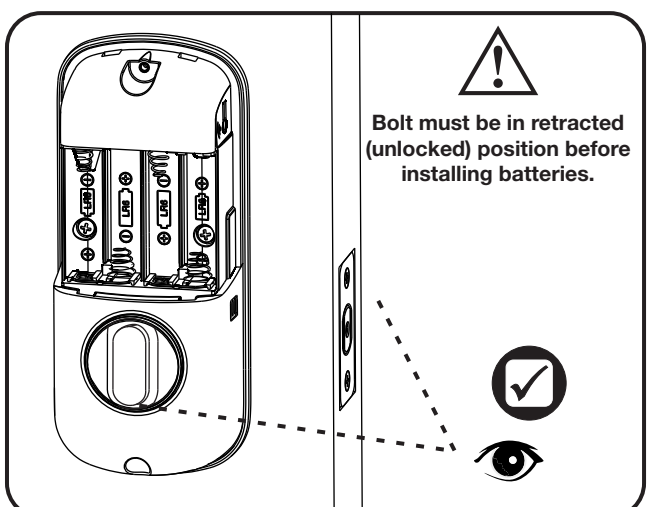
Congratulations, you've installed the Yale Real Living™ Key Free Touchscreen Deadbolt T1L with Z-WAVE® ! Turn sheet over for Programming Instructions to customize your product.
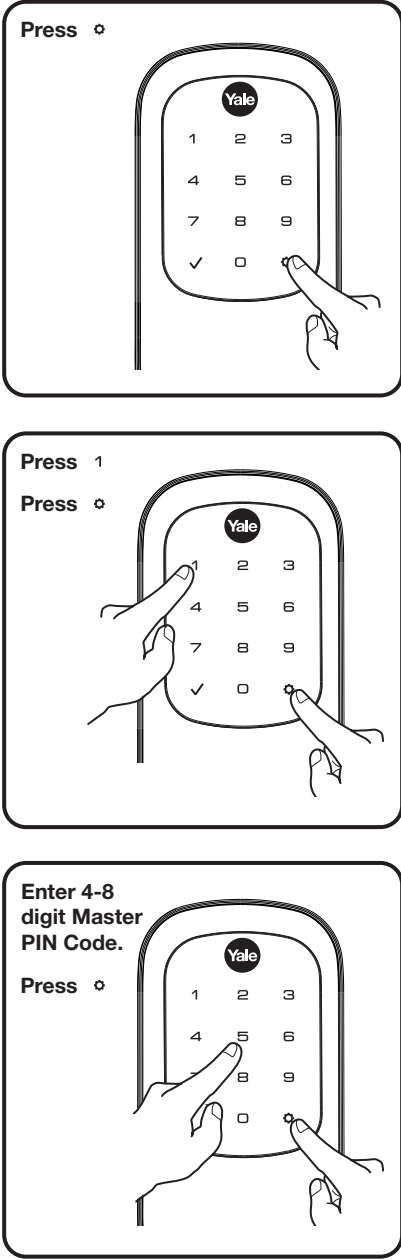
Programming Instructions

Low Battery Warning- Flashes RED

Lock-out Mode- Touchscreen Flashes
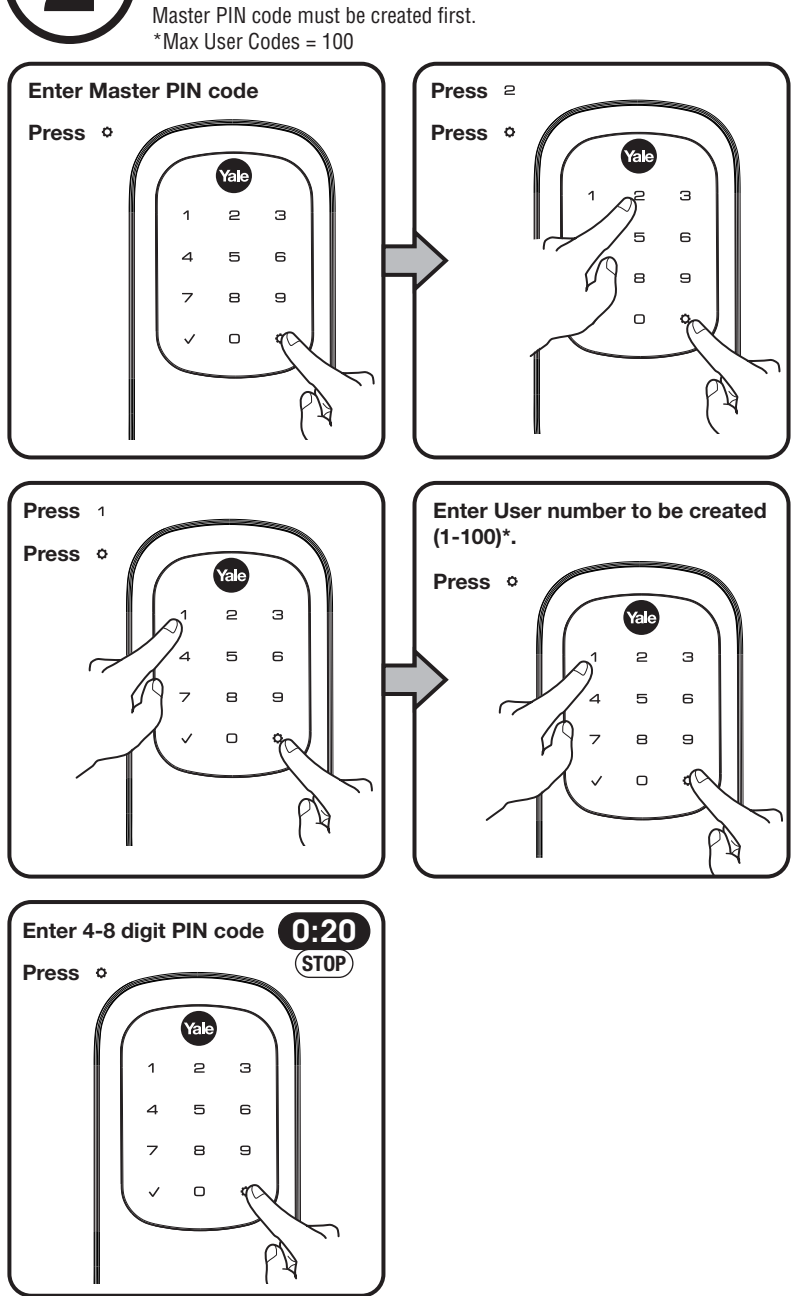
Failsafe 9 volt Battery Connection

⚠ Master PIN Code must be created before any further programming.
Max User Codes = 100

Warning: Changes or modifications to this device, not expressly approved by Yale Security Inc. could void the user's authority to operate the equipment.
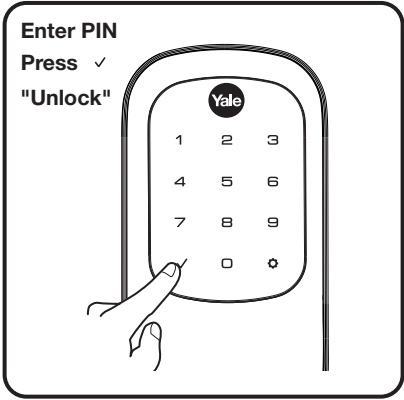
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① Creating Master PIN Code

Press ○

Press 1
Press ○

Enter 4-8 digit Master PIN Code.

Press ○

---

② Creating User PIN Codes

Master PIN code must be created first.
*Max User Codes = 100

Enter Master PIN code
Press ○

Press 2
Press ○

Press 1
Press ○

Enter User number to be created (1-100)*.

Press ○

Enter 4-8 digit PIN code   0:20 STOP

Press ○

---

③ Unlocking Door with PIN Code

Enter PIN
Press ✓
"Unlock"

Code Chart   Duplicate if necessary

| PIN Code Management (With Network Module - Up to 100 Users)			
User Type	User Name	User #	PIN Code
Master			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			
User ___			

Resetting Lock to Factory Default

When lock is reset to factory defaults all user codes (including the Master PIN code) are deleted and all programming features are reset to original default settings (see "Factory Default Settings").

1. Remove the battery cover.
2. Remove the batteries.
3. While pressing the reset button (minimum of 3 seconds) reinstall batteries. Release reset button.
4. Replace battery cover.

Upon reset, Master Code creation is the only option available and must be performed prior to any other programming of the lock.
NOTE: After setting the Master Code, press any key to complete handing of the lock.
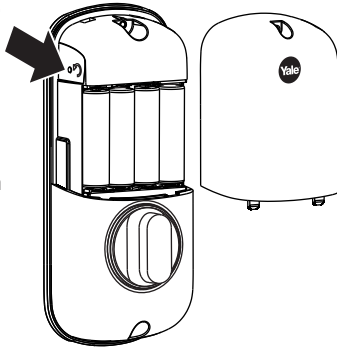
Enrolling Lock In ⚡ZWAVE® Network

Your network controller first needs to be in enrollment or exclusion mode for the lock to be enrolled or removed from network.

Once you put the controller in the enrollment or exclusion mode, the lock can be enrolled or removed in the Z-Wave® network two ways - through the touchscreen using the #7 key (see Programming Through Menu Mode) or by pressing the ⌾ button.

To enroll lock using the ⌾ button option:
1. Remove the battery cover.
2. Press ⌾ button and hold until unit beeps two (2) times.
3. Release button and network joining automatically begins.
4. Replace battery cover.

To remove lock using the ⌾ button option:
1. Remove the battery cover.
2. Press ⌾ button and hold until unit beeps five (5) times.
3. Release button and network removal automatically begins.
4. Replace battery cover.
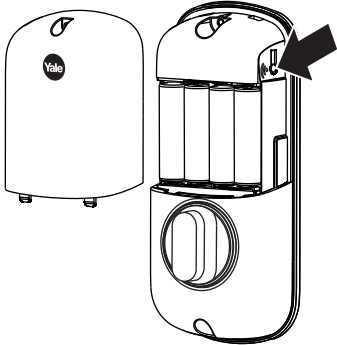
Definitions

All Code Lockout Mode: This feature is enabled by the Master code. When enabled, it restricts all user (except Master) PIN code access. When attempting to enter a code while the unit is in Lockout, the touchscreen flashes 8 times and the lock beeps 3 times as well.

Audio Mode: Choosing **Disable (3)** in Audio mode shuts off the code confirmation tone play-back for use in quiet areas. Audio mode is enabled or disabled through feature programming by the Master code.

Automatic Re-lock Time: After a successful unlock, the unit will automatically re-lock after a default of thirty (30) seconds. Re-lock time is adjustable** from 10-180 seconds.

Low Battery: When battery power is low, the Low Battery Warning Indicator flashes RED. If battery power is completely lost, use the 9Volt battery override. To use the 9V battery override apply 9V battery, in either direction, to terminals below the touchscreen for backup power option. Wake up the lock and enter your pin code to unlock the door.

Master PIN Code: The Master PIN code is used for programming and for feature settings. **It must be created prior to programming the lock.** The Master code will also operate (unlock/lock) the lock.

Network Setting: This setting is available thru the main Menu (7) and allows the lock to connect with a network controller. It is also available through the wireless button on the interior escutcheon ⌾ .

One Touch Locking: When the latch is retracted, activating the touchscreen will extend the latch (during Automatic Re-lock duration or when Automatic Re-lock is disabled).

Shutdown Time: The unit will shutdown (flashing touchscreen) for a default of sixty (60) seconds and not allow operation after the wrong code entry limit has been met. **

Tamper Alert: Audible alarm sounds if attempting to forcibly remove outside lock from door.

User PIN Code: The User code operates the lock. Maximum number of user codes is 100.

Wrong Code Entry Limit: After a specified number of unsuccessful attempts at entering a valid PIN code, the unit will shut down and not allow operation. Wrong code entry limit is adjustable from three (3) to ten (10) times**. Default is 5.
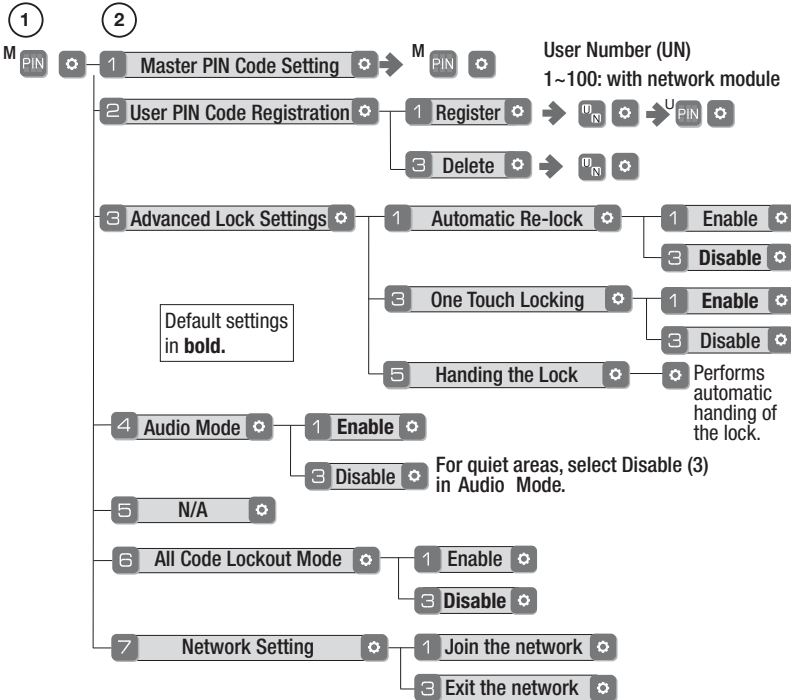
**Adjustable through a Z-Wave® controller.

Feature Programming Through Menu Mode Using Master PIN code*

1. Enter the 4-8 digit Master PIN code followed by the ○ key.
2. Enter digit corresponding to the function to be performed followed by the ○ key.
   Note: If the lock is connected to a network controller, it is recommended that it is programmed through the centralized user interface (PC or hand-held device) to ensure communication between the lock and the controller unit.

*The Master PIN code must be registered prior to any other programming of the lock.

① ②
Ⓜ PIN ○ → 1 Master PIN Code Setting ○ → Ⓜ PIN ○   User Number (UN)
1~100: with network module

2 User PIN Code Registration ○ → 1 Register ○ → PIN ○ → UN PIN ○

3 Delete ○ → PIN ○

3 Advanced Lock Settings ○ → 1 Automatic Re-lock ○ → 1 Enable ○
                                                      3 Disable ○

Default settings in **bold**.

3 One Touch Locking ○ → 1 Enable ○
                        3 Disable ○

5 Handing the Lock ○ → Performs automatic handing of the lock.

4 Audio Mode ○ → 1 Enable ○
                 3 Disable ○   For quiet areas, select Disable (3) in Audio Mode.

5 N/A ○

6 All Code Lockout Mode ○ → 1 Enable ○
                            3 Disable ○

7 Network Setting ○ → 1 Join the network ○
                      3 Exit the network ○

Factory Default Settings

Settings	Factory Default
Master PIN Code	Registration *required*/*
Automatic Re-lock	Disabled
One Touch Locking	Enabled
Audio	Enabled
Automatic Re-lock Time	**30 Seconds
Wrong Code Entry Limit	**5 Times
Shutdown Time	**60 Seconds

*The Master PIN code must be registered prior to any other programming of the lock.
**Adjustable through a Z-Wave® controller.

Programming Troubleshooting

Symptom	Suggested Action
Lock does not respond – door is open and accessible.	• Press each touchscreen key for response when pressed. • Check batteries are installed and oriented correctly (polarity) in the battery case. • Check batteries are in good condition; replace batteries* if discharged. • Check to see if cable is fully connected and not pinched.
Lock does not respond – door is locked and inaccessible.	• Batteries may be completely discharged. • Apply 9V battery to terminals below the touchscreen for backup power option.
Unit chimes to indicate code acceptance, but the door will not open.	• Check to see if there is another locking device on the door. • Check the door gaps for any foreign objects between door and frame. • Check that the cable is firmly connected to the PC board.
Unit operates to allow access, but will not automatically re-lock.	• Check to see if Auto Re-lock Mode is enabled. • If low battery indicator is lit (see below), change batteries*.
PIN codes will not register.	• PIN codes must consist of 4 to 8 digits to register. • The same PIN code cannot be used for multiple users. • Registration/management of PIN codes is set by the authority of the Master Code. • Contact the Master user. • User codes must be entered within 20 seconds or the process will have to be restarted. • Check mark ✓ or gear ○ cannot be used as part of the PIN code.
Upon entering a PIN code and pressing the ✓ key, the lock gives a series of beeps, flashes red 7 times, and does not unlock.	• All Code Lockout Mode is enabled. • Only the Master can enable/disable All Code Lockout Mode. • Contact the Master user.
Upon entering a PIN code and pressing the ✓ key, there are different tones.	• Check to see if the lock is set to All Code Lockout Mode. • Setting/managing All Code Lockout Mode is done through Master Code only. Contact the Master user.
The unit operates, but it makes no sound.	• Enable Audio Mode.
The unit displays intermittent RED flashes.	• This is the Low Battery indicator alerting that it is time to replace the batteries. Replace all four (4) batteries* with new AA Alkaline batteries.
Upon entering a PIN code and pressing the ✓ key, the unit responds with a series of beeps and the touchscreen flashes three times.	• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the check mark ✓ key.

* When batteries are replaced, Network locks have a real time clock that will be set through the User Interface (UI); it is recommended to verify correct date and time particularly those locks operating under Daylight Saving Time (DST).

Yale Locks & Hardware
Product Support Tel 800.810.WIRE (9473) • www.yalelocks.com

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