Yale real|Living

Yale® Assure Lock™ SL
Key Free Touchscreen Deadbolt
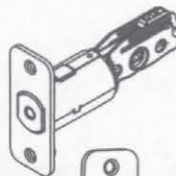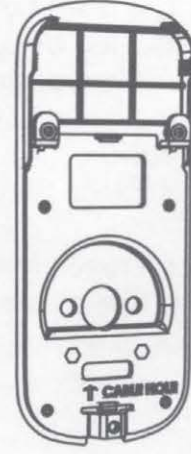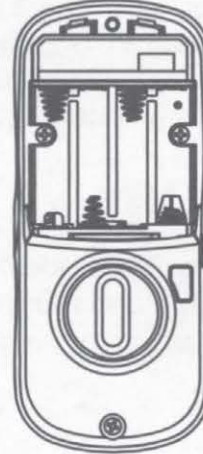## Installation and Programming Instructions
(YRD256/YRD456)

Optional
Network Module

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

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

Before you begin »»»

DOWNLOAD THE BILT APP

for 3D interactive
instructions & to register
your product

BILT. App Store   Google play

x2
M6x36mm
PPHMS
(2-1/4")

OR

x2
M6x44mm
PPHMS
(1-3/4-2")

OR

x2
M6x55mm
PPHMS
(1-3/8")

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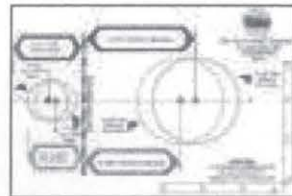THE PRODUCT AND VOID THE FACTORY WARRANTY**

Preparing to Install

Tools Needed

Standard
Phillips Head
Screwdriver

Tools necessary only for new doors or adjusting existing prep.

Template
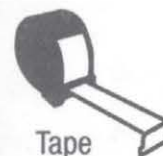
Drill

Pencil

Tape Measure
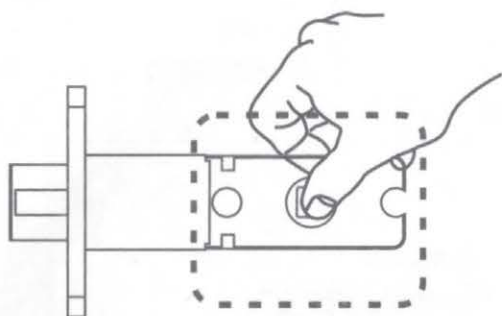
Utility Knife

Wood Mortise Chisel

Level

default
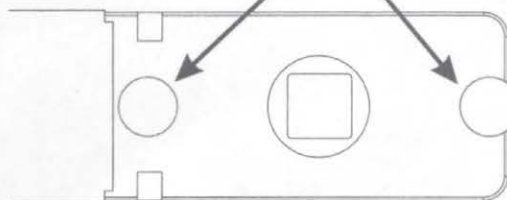
2-3/8" through bolt posts

PULL

optional

2-3/4" through bolt posts
Note: Adjustment based on backset

*Backset
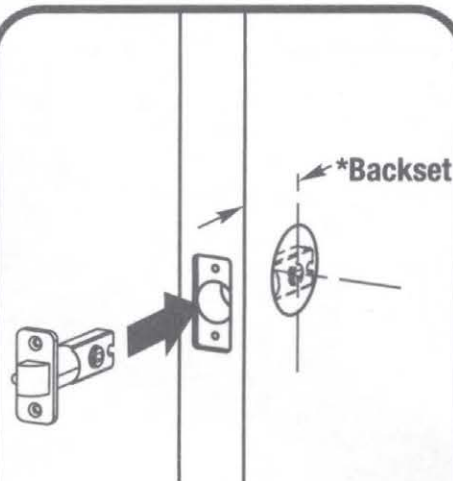
*2-3/8" (60mm) or 2-3/4" (70mm)

① Installing Latch & Strike Plate

2-3/8" position

default

x4

2-3/4" position

O *optional*

Pull ➡

⬆ Press

⚠ **Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.**
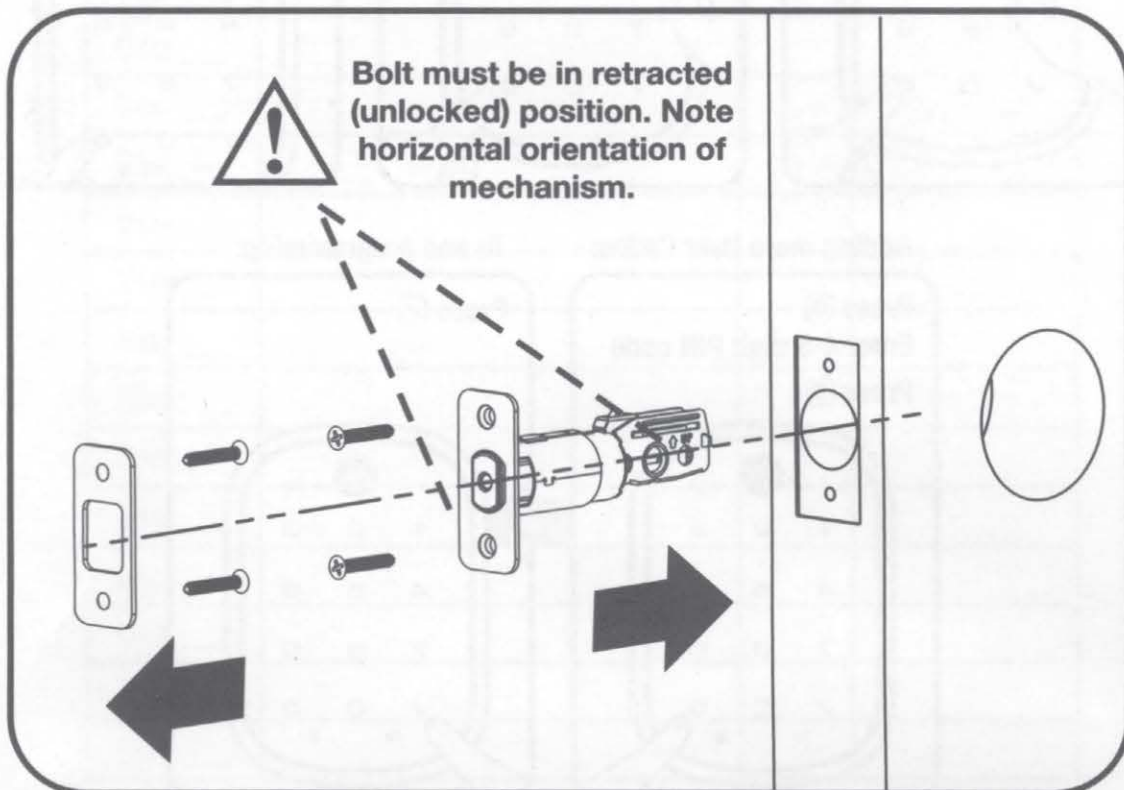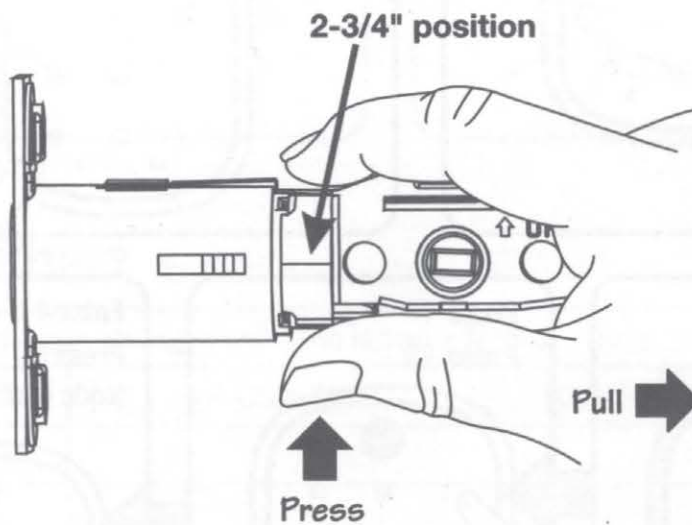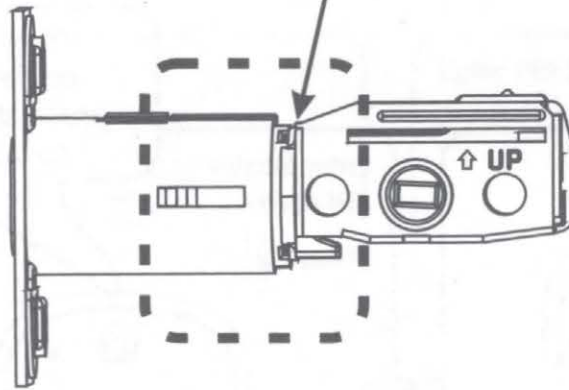
② Installing Touchscreen Escutcheon
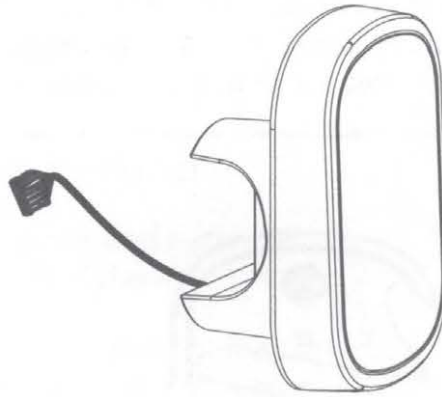
Inside of Door

Outside of Door

⚠️

Bolt must be in retracted (unlocked) position. Note horizontal orientation of mechanism.
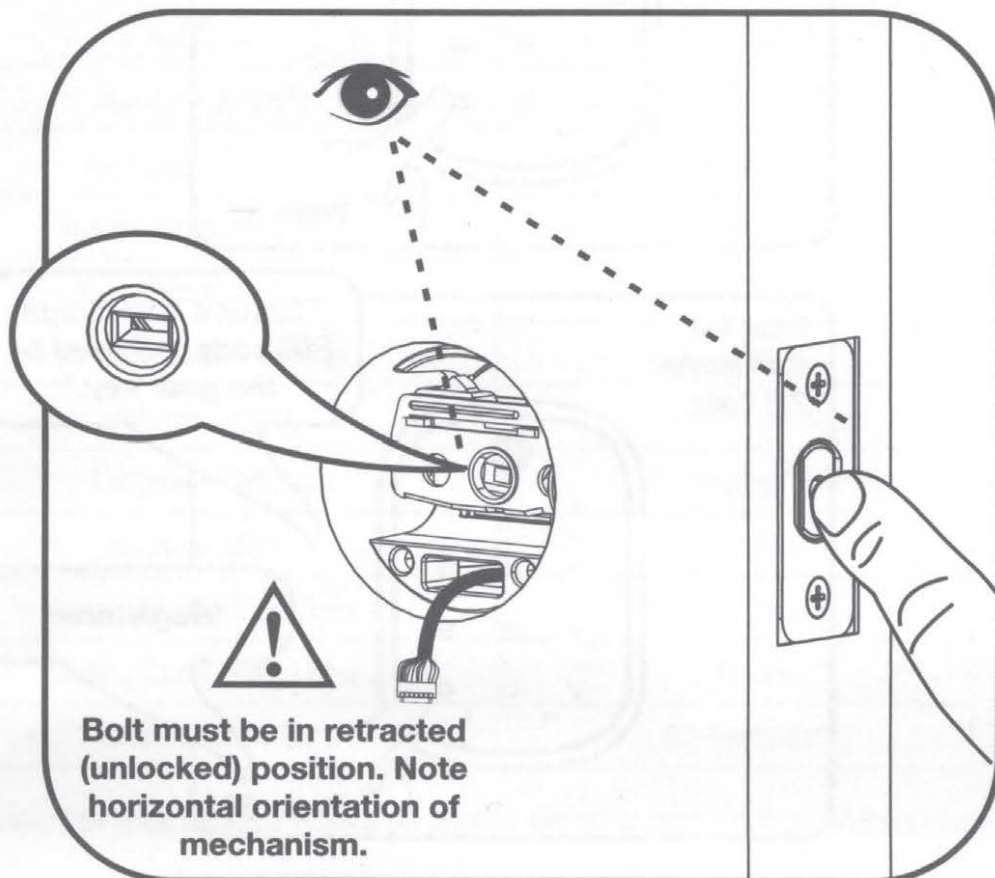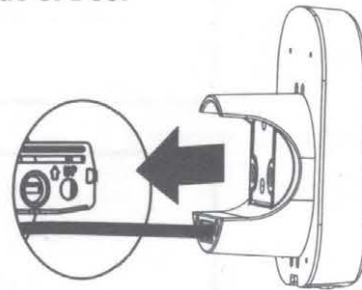
3 Installing Interior Mounting Plate

Loosen screw to remove cover.

x2
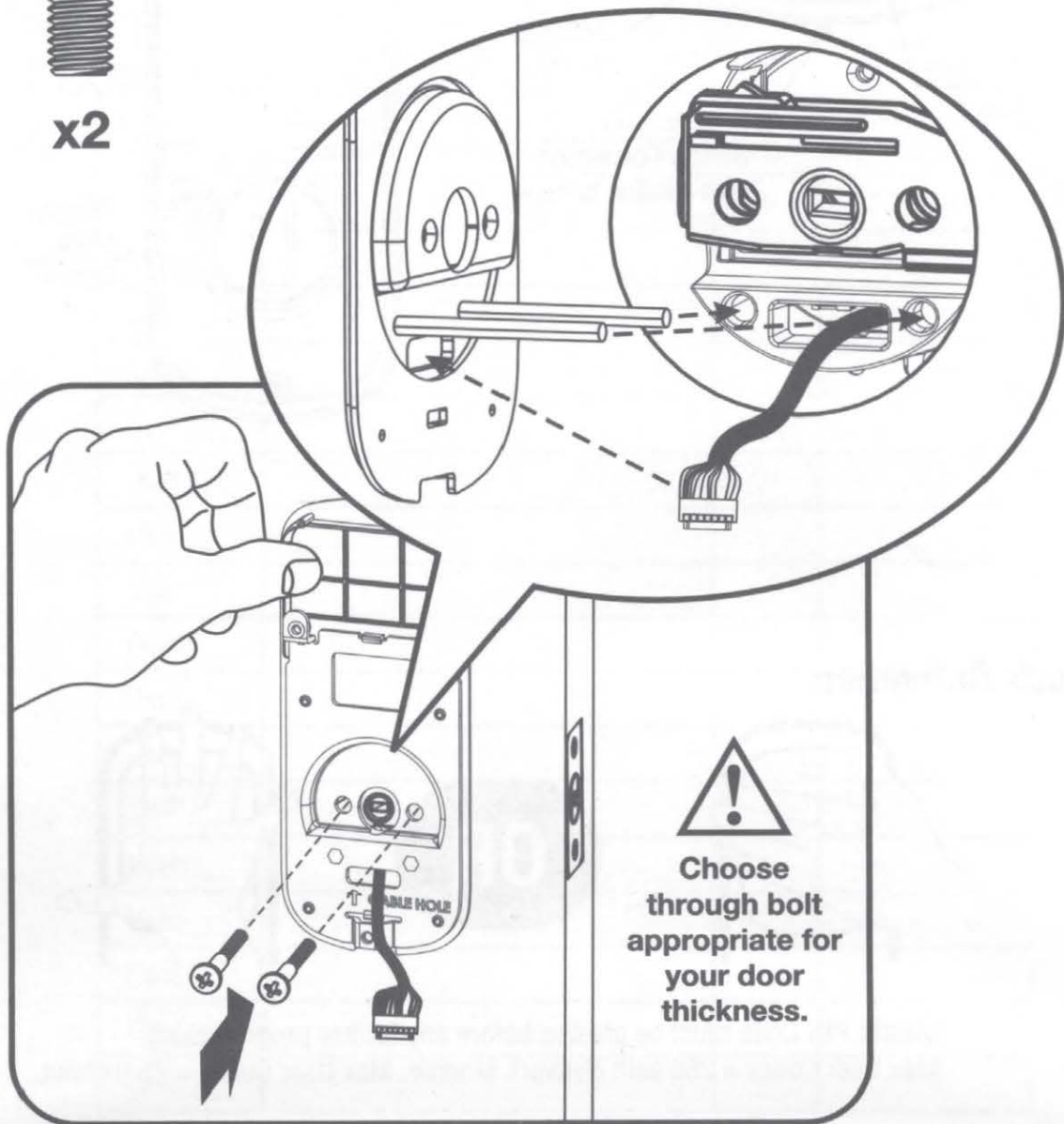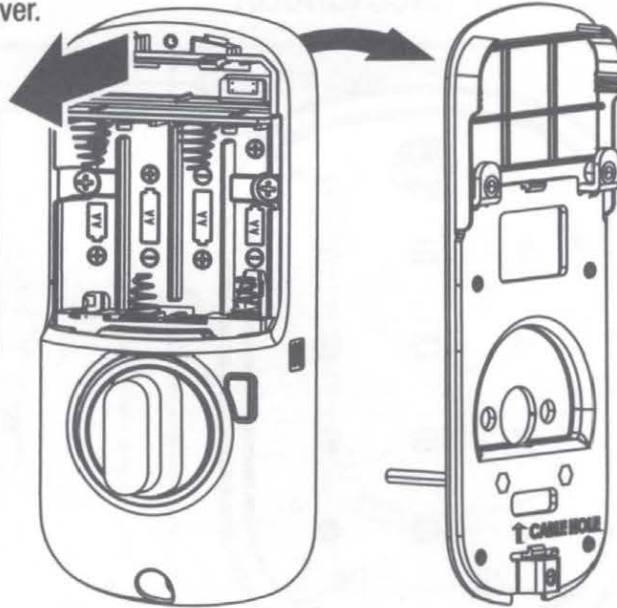
⚠️ **Choose through bolt appropriate for your door thickness.**

4 Attaching the Cable Assembly

CABLE HOOK

↑ CABLE HOLE

CABLE HOOK
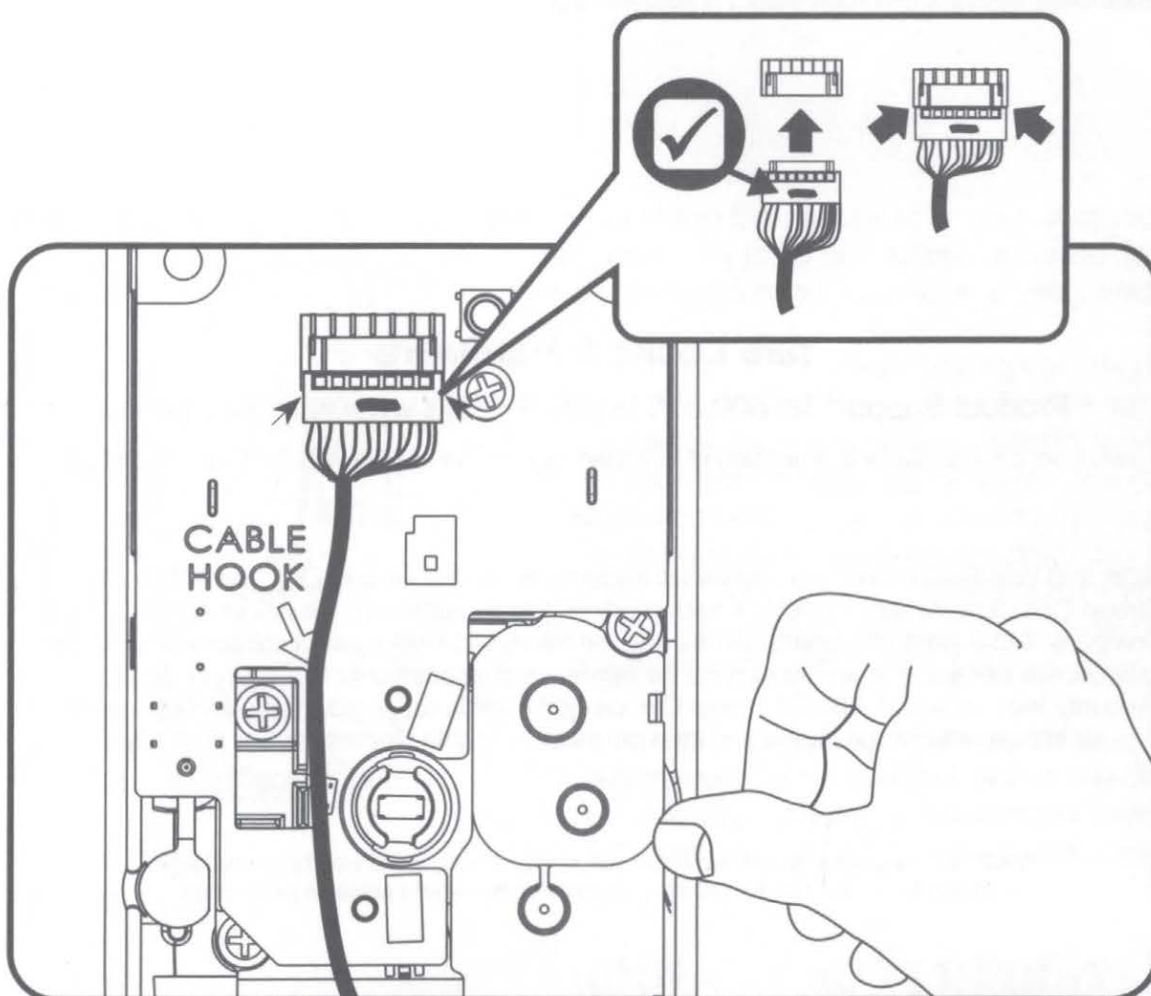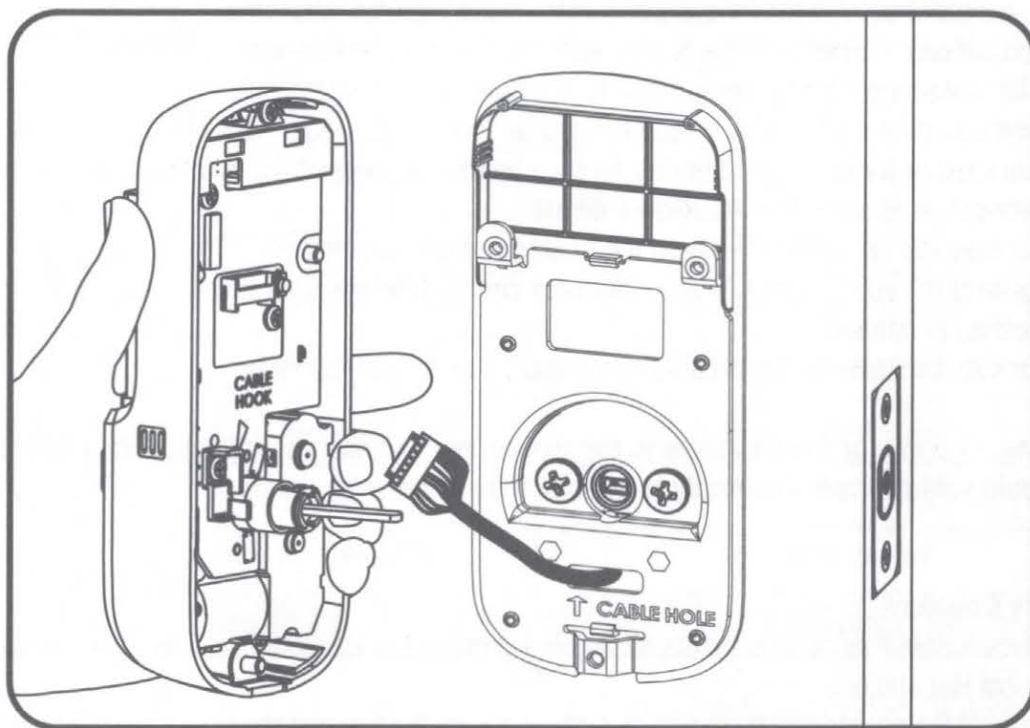
⑤ Installing Interior Escutcheon

x3

CABLE HOLE

Testing Operation

Bolt must be in retracted (unlocked) position before installing batteries.
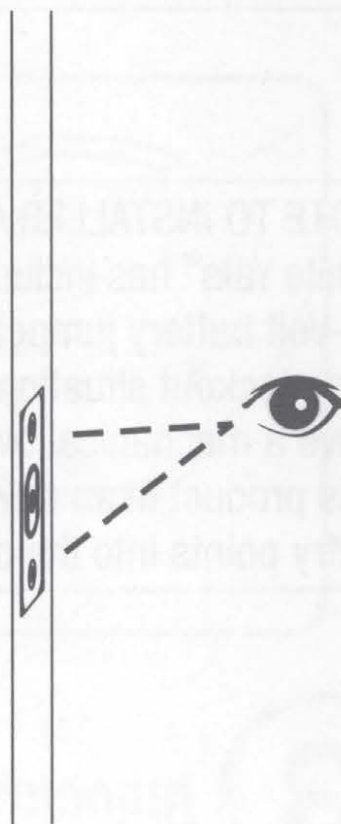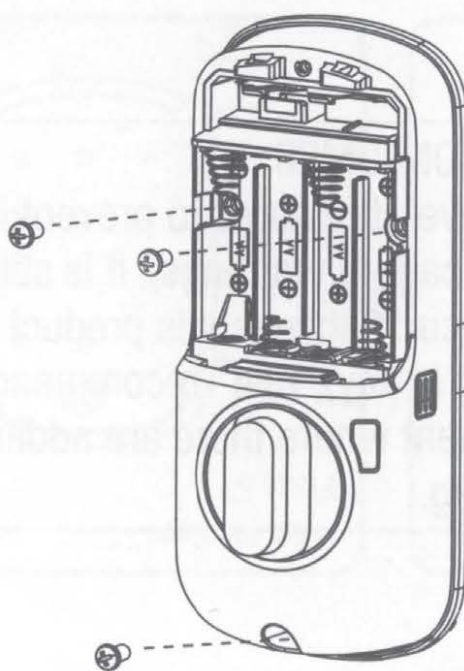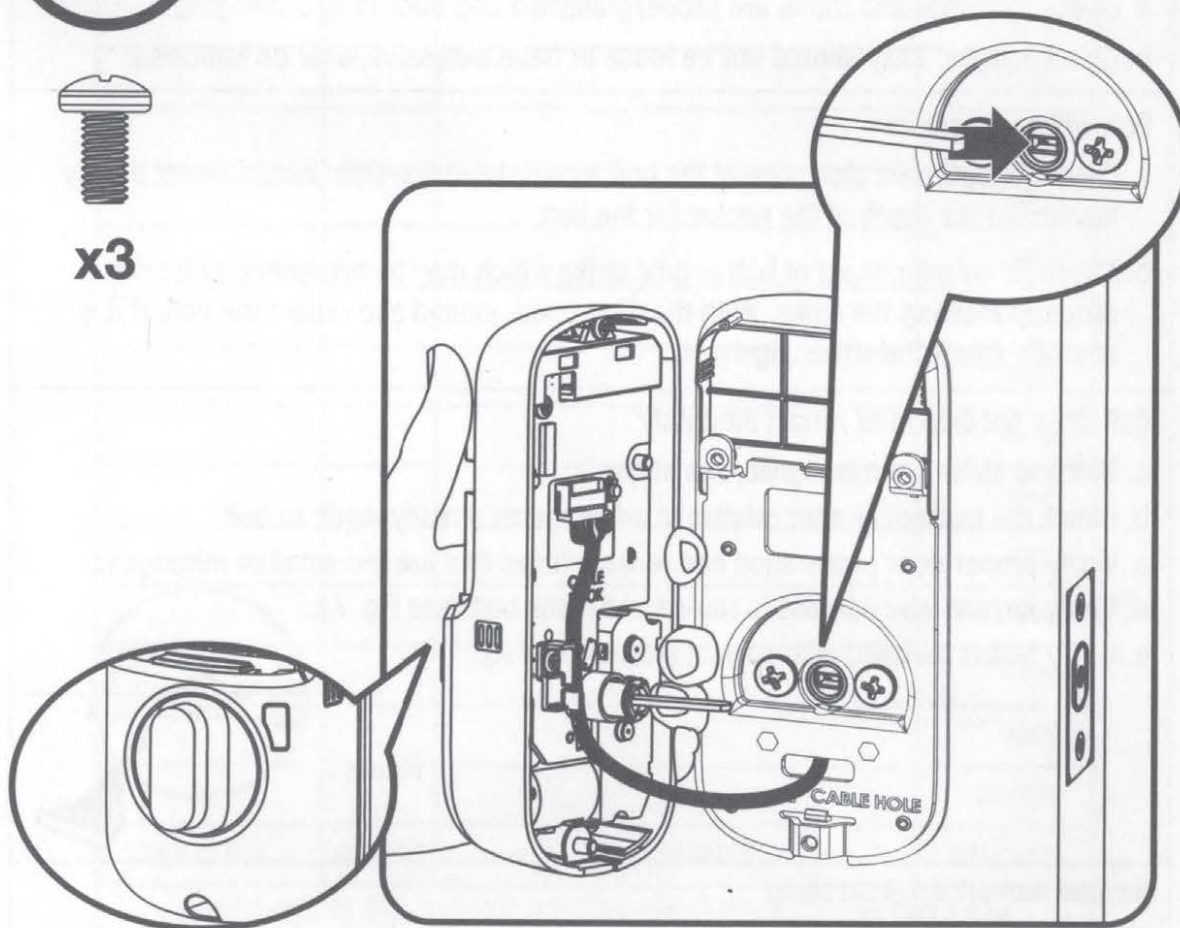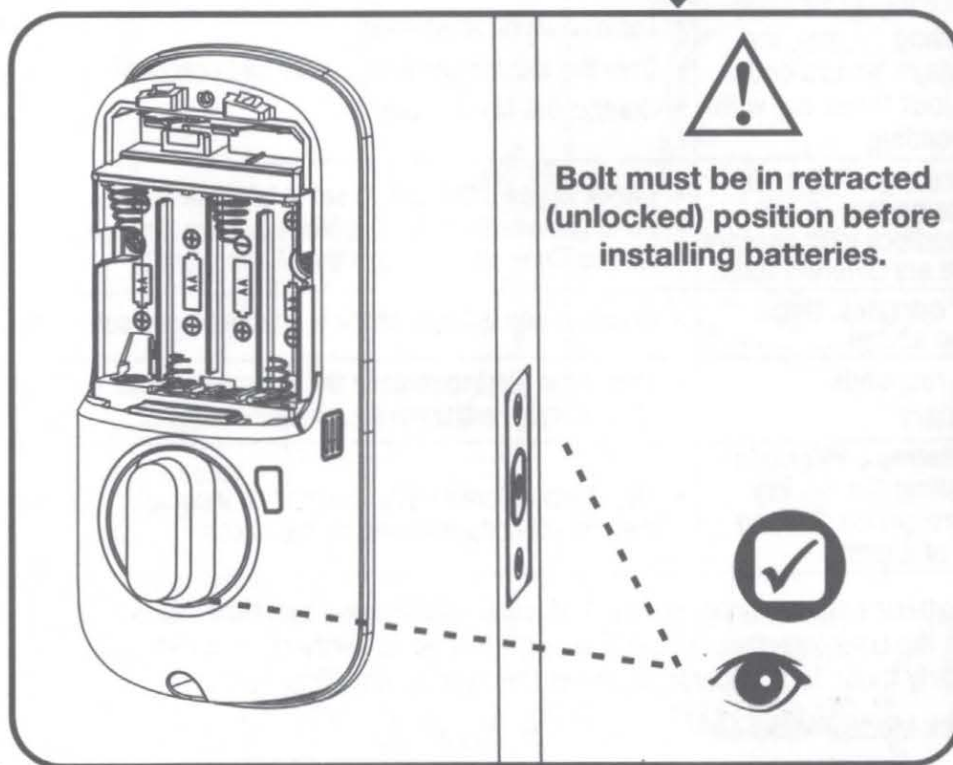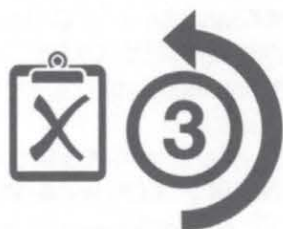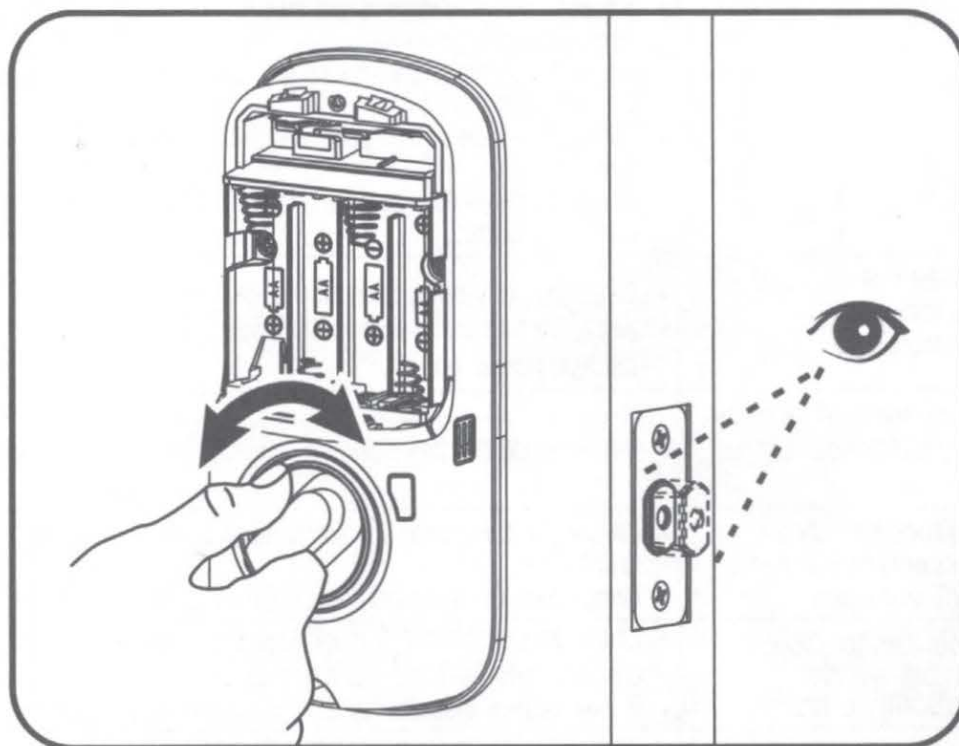
(6) Installing Batteries/Handing the Lock

"*Welcome to Yale Real Living.*"
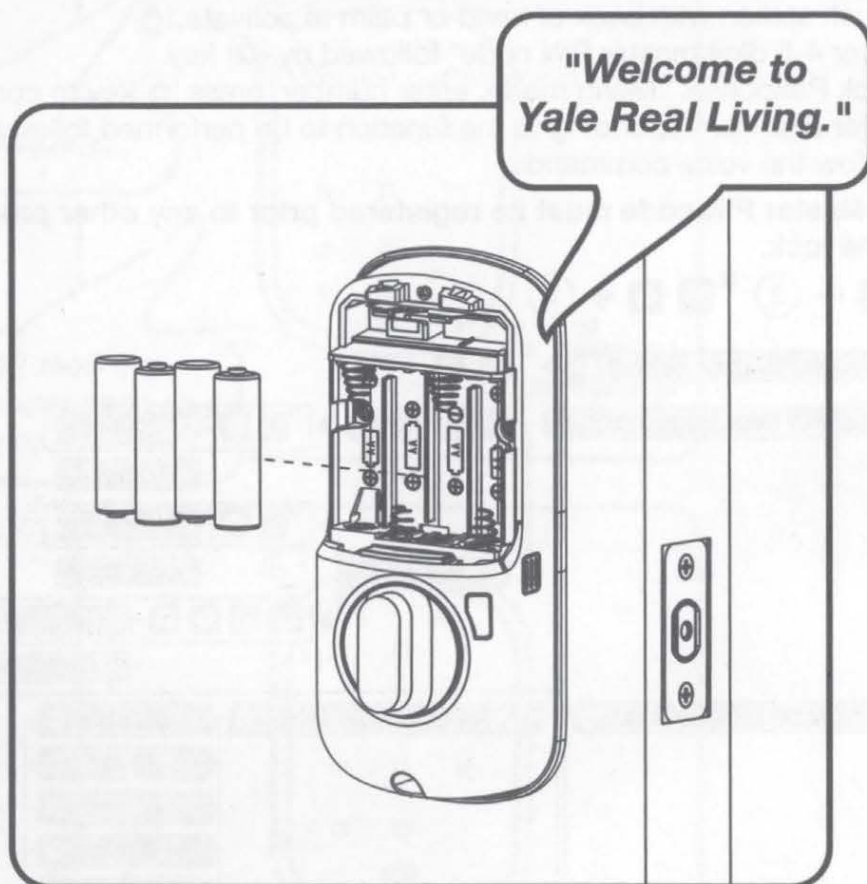
Lock automatically adjusts for proper handing.

(7) Installing Optional Network Module

⚠️

Batteries must be removed prior to removing and/or inserting network module.
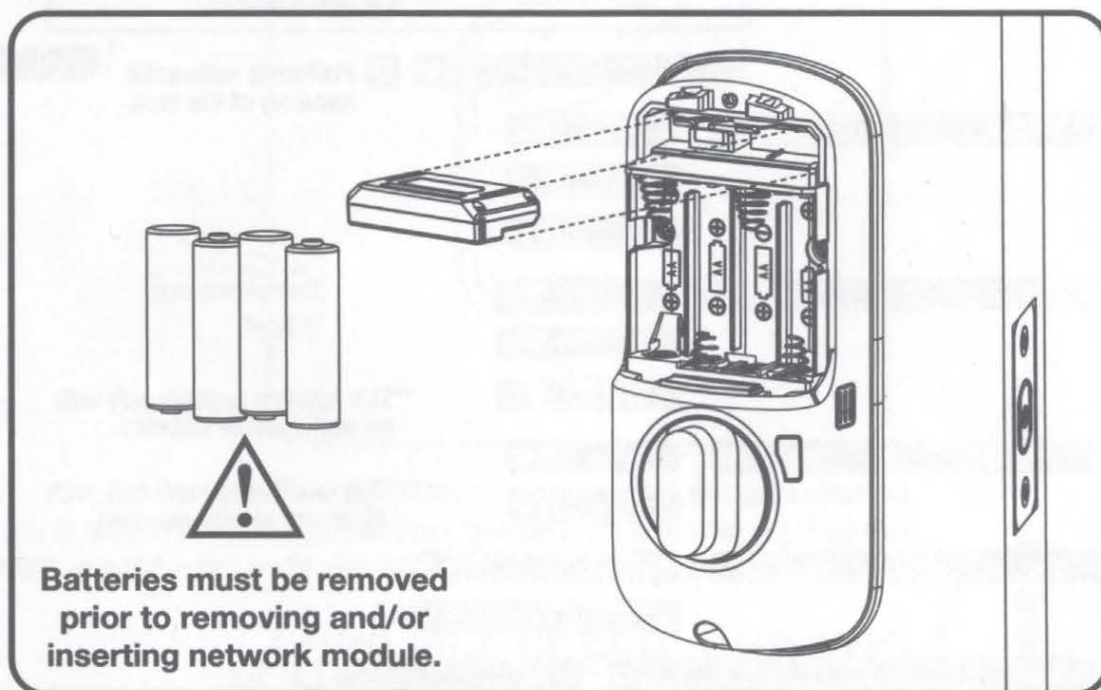
Tighten screw
to replace cover.
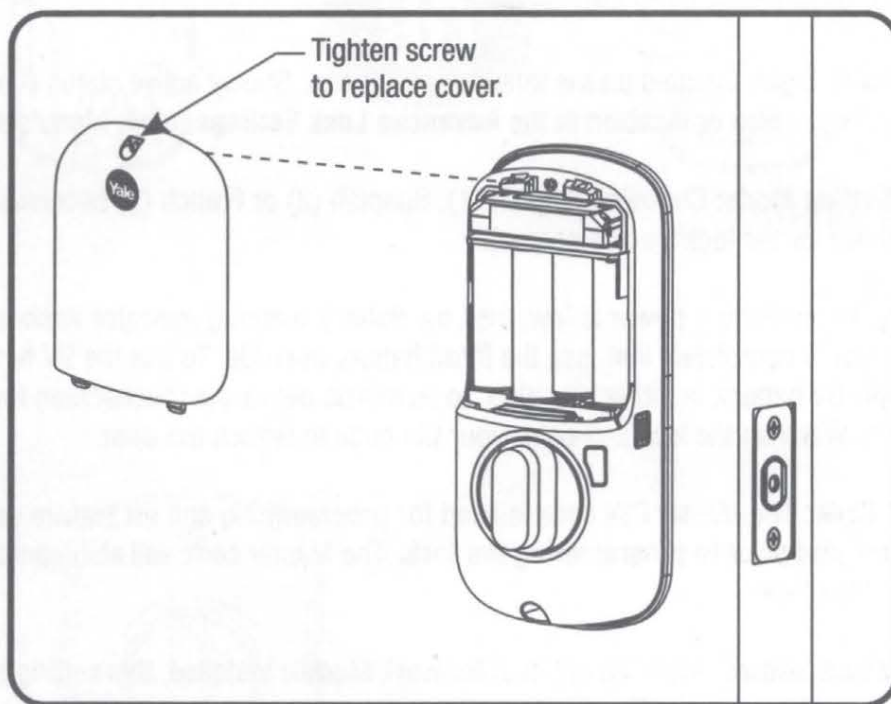
Congratulations, you've installed the Yale® Assure Lock™ SL
Key Free Touchscreen Deadbolt (YRD256/YRD456)!
Turn sheet over to Programming Instructions
to customize your product.

Programming Instructions

Exterior Escutcheon

"P" Key
(Return to Previous)

Speaker

Lockout
Mode

Low Battery
Indicator

Failsafe 9 volt
Battery Connection
(Use Alkaline battery)

Interior Escutcheon
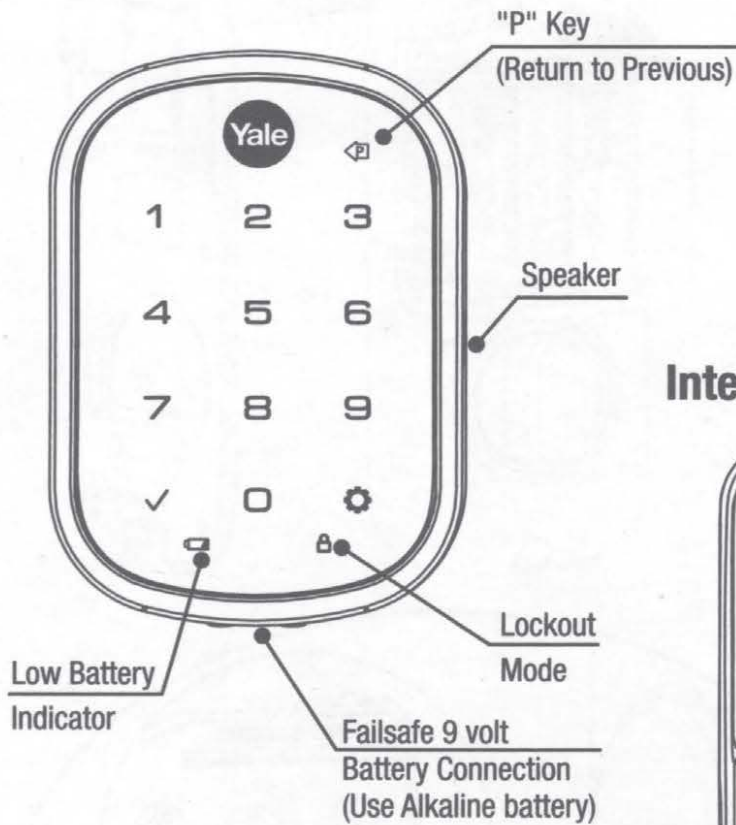
Privacy
Mode
Button
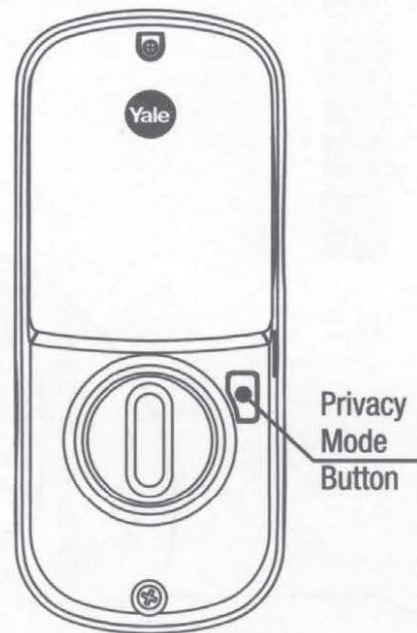
Lock Activation

OR
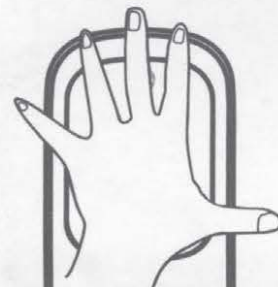
Master PIN Code must be created before any further programming.
Max User Codes = 250 with Network Module. Max User Codes = 25 without.

1 Creating Master PIN Code

Creating a Master PIN Code must be performed upon installation or after resetting the lock to factory default. Programming and use of lock is not possible until this step has been successfully completed.
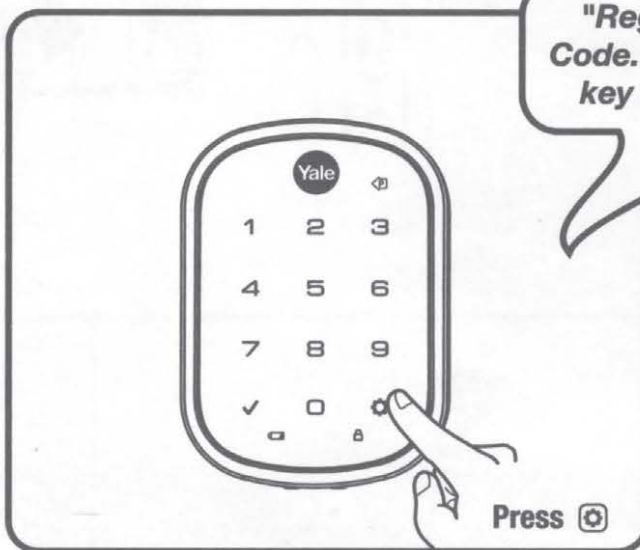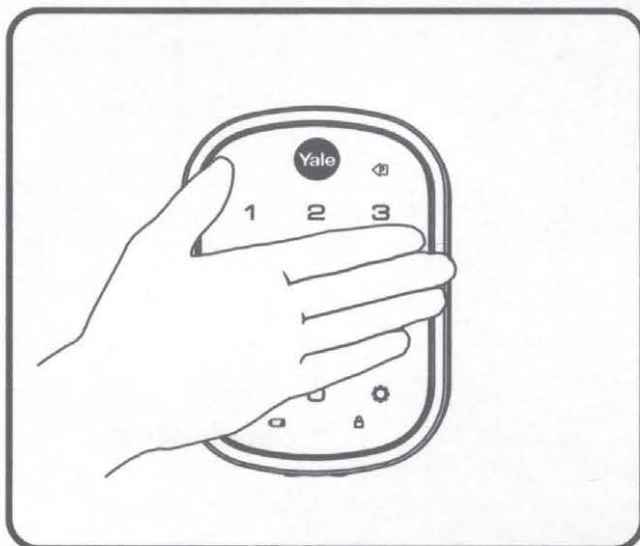
"Register Master Code. Press the gear key to continue."

Press ⚙
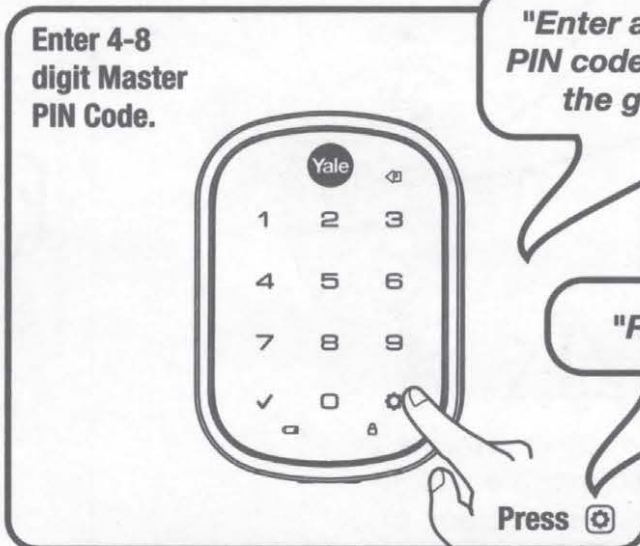
Enter 4-8 digit Master PIN Code.

"Enter a 4 to 8 digit PIN code followed by the gear key."

"Registered."

Press ⚙

2 Creating User PIN Codes

Master PIN code must be created first.
*Max user codes = 250 with Network Module. Max user codes = 25 without.

Enter Master PIN code

Press ⚙

> *"Menu Mode, enter number, press the gear key to continue."*

Press ②
Press ⚙

Press ①
Press ⚙

Enter 4-8 digit PIN code
Press ⚙
(code flashes)

Adding more User Codes:
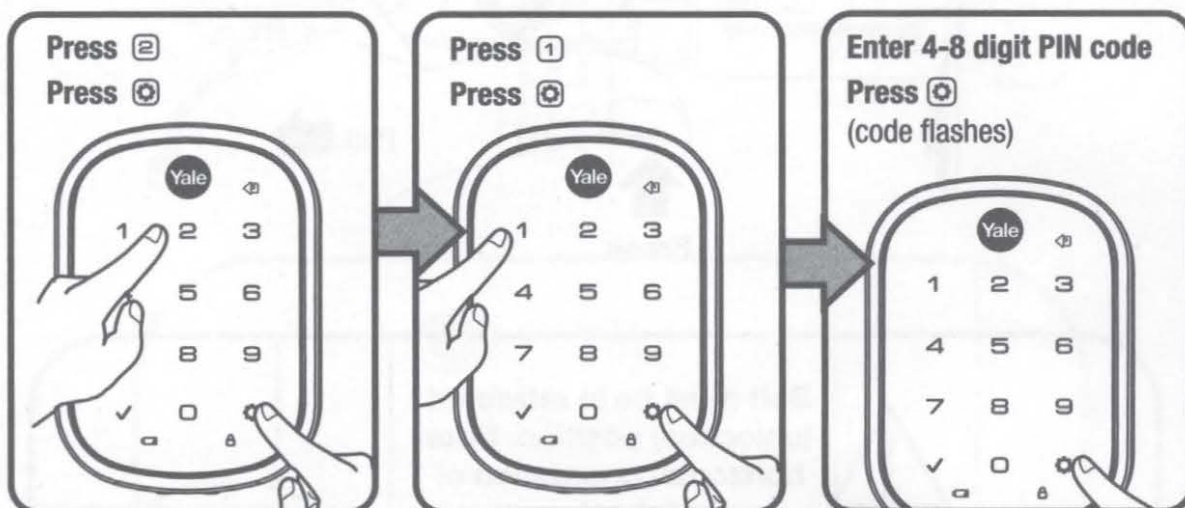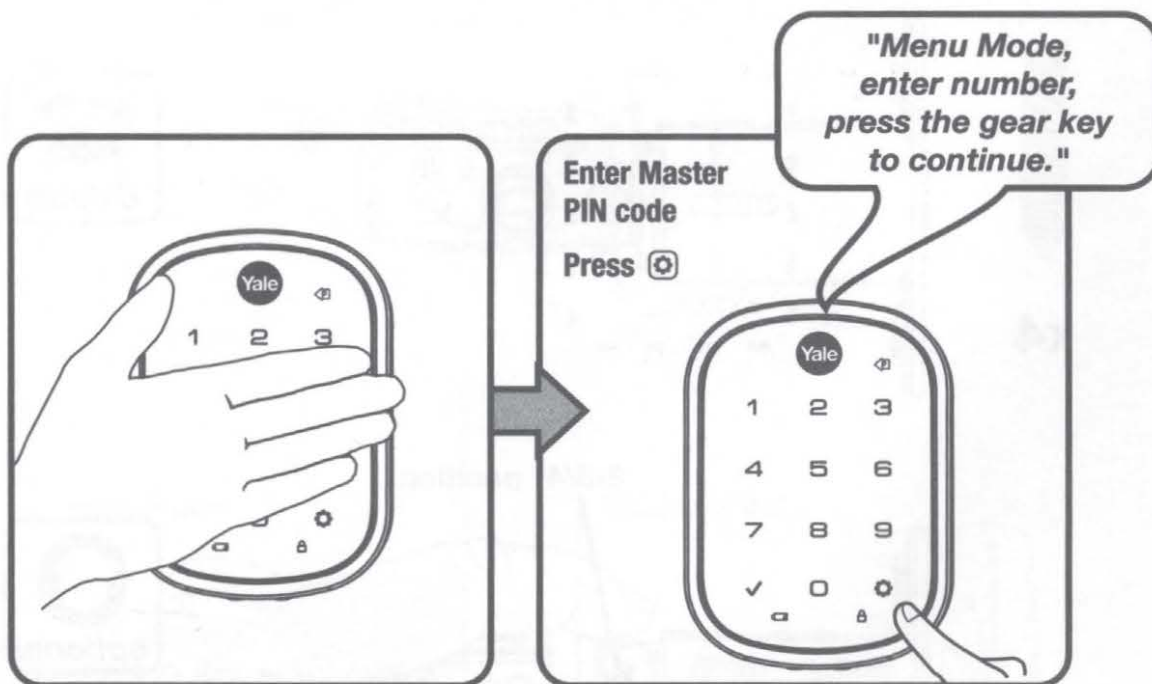
Press ⚙
Enter 4-8 digit PIN code
Press ⚙

To end programming:

Press ☑
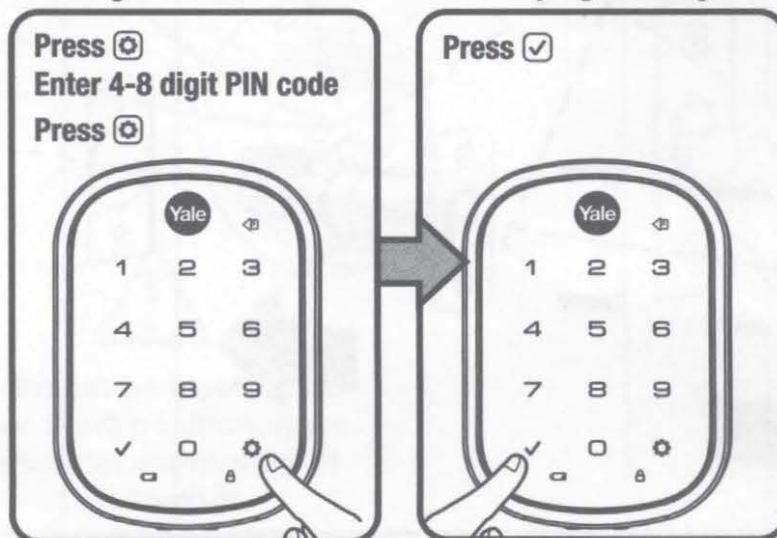
③ Unlocking Door with PIN Code

Enter PIN Code
Press ☑

Code Chart Duplicate if necessary

PIN Code Management (With Network Module - Up to 250 Users)			
User Type	User Name	User #	PIN Code
Master			
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 below).

1. Remove the battery cover and batteries.
2. Remove the interior escutcheon to access the reset button.
3. The reset button (see image at right) is located beside the PCB cable connector.
4. While pressing the reset button (minimum of 3 seconds) reinstall batteries. Release reset button.
5. Replace battery cover.

Upon reset, Master PIN Code creation is the only option available and must be performed prior to any other programming of the lock.
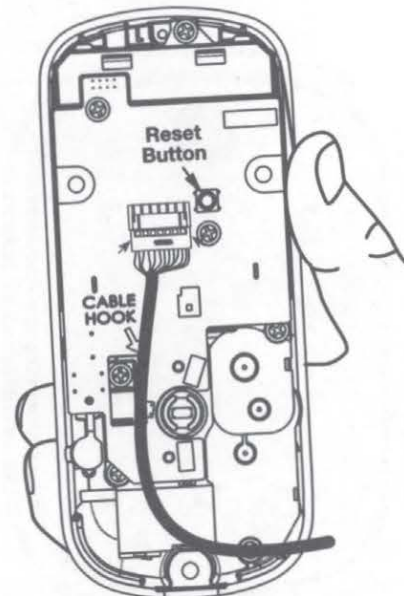
Interior Escutcheon

Factory Settings

Settings	Factory Setting
Master PIN Code	Registration *required**
Automatic Re-lock	Disabled
Inside Indicator Light	Disabled (Off)
One Touch Locking	Enabled
Privacy Button Setting	Disabled
Volume Setting	Enabled (Low)
Language Setting	English
Lockout Mode	Disabled
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.

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 RED locked padlock will appear on the screen.

Automatic Re-lock Time: After a successful code entry and the unit unlocks, it will automatically re-lock after thirty (30) seconds.

Inside Indicator Light: Located on the interior escutcheon. Shows active status (Locked) of lock and can be enabled or disabled in the **Advanced Lock Settings** (Main Menu selection #3).

Language Setting Mode: Choosing English (1), Spanish (2) or French (3) becomes the (default) setting for the lock's voice prompts.

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 Module Setting: With the optional Network Module installed, this setting becomes available thru the Main Menu (7) and allows the lock to connect with a network controller.

One Touch Locking: When the latch is retracted, activating the keypad will extend the latch (during Automatic Re-lock duration or when Automatic Re-lock is disabled). When One-Touch Re-lock is **not** in use **(disabled),** any valid PIN code will re-lock the lock.

Previous: While in Menu Mode, pressing this icon cancels the current operation and returns the user to the previous step.

Privacy Mode: Privacy mode is disabled by default. Enable Privacy mode by pressing the privacy button for 4 seconds to put the lock in do-not-disturb mode (all pin codes are disabled).

Shutdown Time: The unit will shutdown (flashing RED) for sixty (60) seconds and not allow operation after the wrong code entry limit (5 attempts) 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 250 with Network Module; without Network Module, maximum is 25 user codes. Note: When deleting User PIN code(s), screen will display User Number (not PIN code) being deleted.

Volume Setting Mode: The volume setting for PIN code verification is set to **Low (2)** by default; otherwise it can be set to **High (1)** or **Silent (3)** for quiet areas.
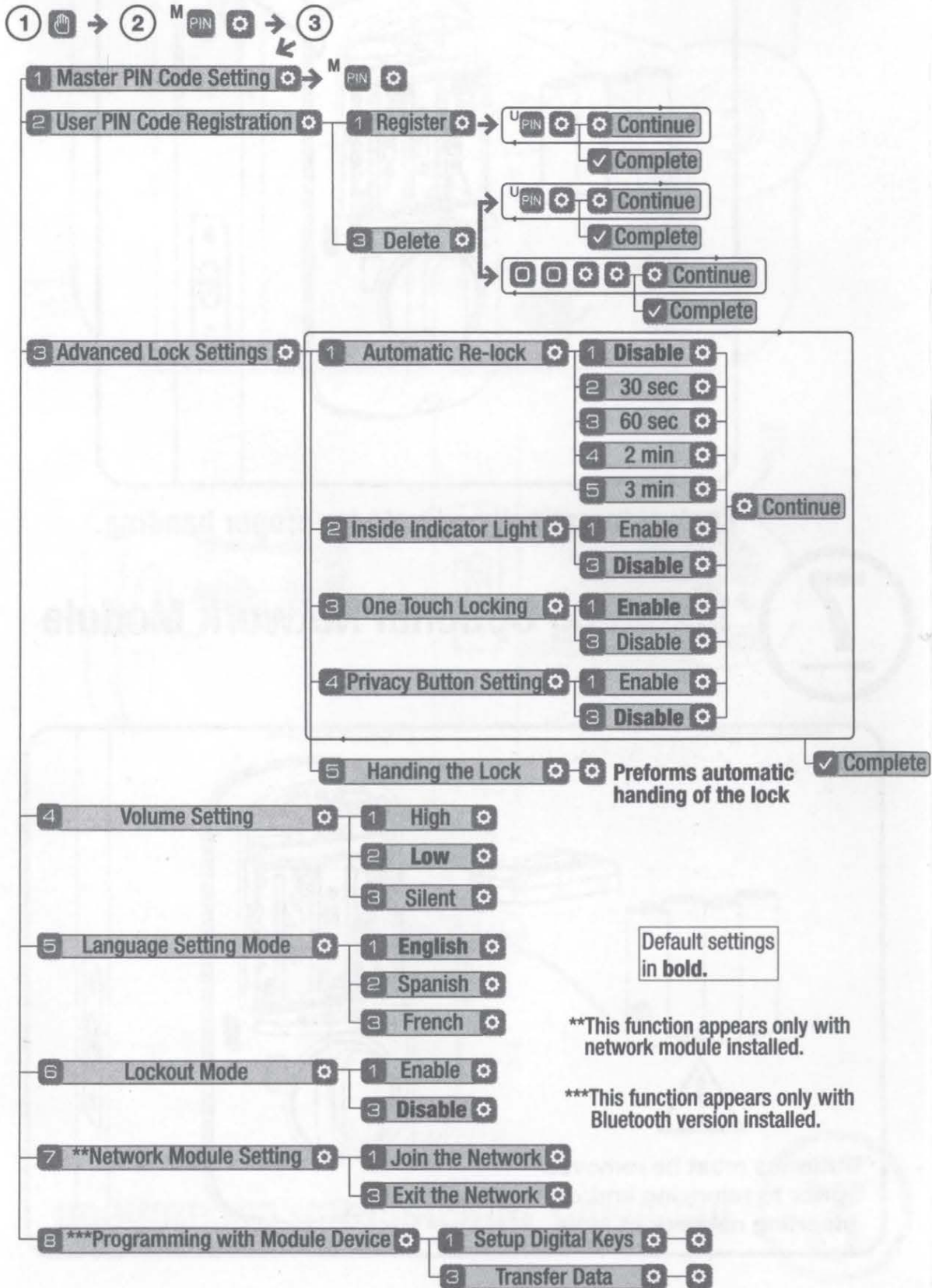
Wrong Code Entry Limit: After five (5) unsuccessful attempts at entering a valid PIN code, the unit will shut down and not allow operation.

# Feature Programming Through Menu Mode Using Master PIN code*

1. Touch screen with back of hand or palm to activate. 🖐
2. Enter 4-8 digit master PIN code* followed by ⚙ key.
   Lock Response: "Menu mode, enter number, press ⚙ key to continue."
3. Enter digit corresponding to the function to be performed followed by the ⚙ key.
   Follow the voice commands.

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

① 🖐 → ② ᴹPIN ⚙ → ③

1 Master PIN Code Setting ⚙ → ᴹPIN ⚙

2 User PIN Code Registration ⚙ → **1** Register ⚙ → ᵁPIN ⚙ — ⚙ Continue
                                        ✓ Complete

                   3 Delete ⚙ → ᵁPIN ⚙ — ⚙ Continue
                                        ✓ Complete

                             □ □ ⚙ ⚙ — ⚙ Continue
                                       ✓ Complete

3 Advanced Lock Settings ⚙ → **1** Automatic Re-lock ⚙ → **1** **Disable** ⚙
                                              2 30 sec ⚙
                                              3 60 sec ⚙
                                              4 2 min ⚙
                                              5 3 min ⚙ — ⚙ Continue

                    2 Inside Indicator Light ⚙ → **1** Enable ⚙
                                              3 **Disable** ⚙

                    3 One Touch Locking ⚙ → **1** **Enable** ⚙
                                              3 Disable ⚙

                    4 Privacy Button Setting ⚙ → **1** Enable ⚙
                                              3 **Disable** ⚙ — ✓ Complete

                    5 Handing the Lock ⚙ — ⚙ **Preforms automatic handing of the lock**

4 Volume Setting ⚙ → **1** High ⚙
                          2 **Low** ⚙
                          3 Silent ⚙

5 Language Setting Mode ⚙ → **1** **English** ⚙
                              2 Spanish ⚙
                              3 French ⚙

Default settings in **bold.**

6 Lockout Mode ⚙ → **1** Enable ⚙
                        3 **Disable** ⚙

**This function appears only with network module installed.

***This function appears only with Bluetooth version installed.

7 **Network Module Setting ⚙ → **1** Join the Network ⚙
                                 3 Exit the Network ⚙

8 ***Programming with Module Device ⚙ → **1** Setup Digital Keys ⚙ — ⚙
                                          3 Transfer Data ⚙ — ⚙

Programming Troubleshooting

Symptom	Suggested Action
Lock does not respond – door is open and accessible.	• Touchscreen becomes active when pressed w/whole hand. Use a larger area of the hand or fingers and verify contact with at least 3 areas. • If touchscreen numbers are visible, check to see if they respond 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 touchscreen harness 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 is on for a while then shows no reaction. Lights dim.	• Batteries do not have enough power. Replace batteries*.
Unit chimes to indicate code acceptance, but the door will not open.	• Check the door gaps for any foreign objects between door and frame. • Check that the wire harness is firmly connected to the PCB.
Unit operates to allow access, but will not automatically re-lock.	• Check to see if Auto Re-lock Mode is enabled. • Disable Auto Re-lock Mode to lock the door (automatically). • 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, which is set first. • Contact the Master user. • User codes must be entered within 5 seconds (while touchscreen is active) or process will have to be restarted. • Check ✓ or gear ⚙ cannot be used as part of the PIN code.
Upon entering a PIN code and pressing ✓ key, the unit displays "invalid code" error or lock times out without responding.	• Lockout Mode is enabled. • Only the Master can enable/disable Lockout Mode. • Contact the Master user.
Upon entering a PIN code and pressing the ✓ key, the red padlock icon appears and there are different tones.	• Check to see if the lock is set to Lockout Mode. • Setting/managing Lockout Mode is done through Master Code only. Contact the Master user.
The unit operates, but it makes no sound.	• Check to see if Silent Mode is enabled (see Feature #4).
The unit responds "Low Battery"	• This is the alert 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 "Wrong number of digits".	• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the check ✓ key.

* When batteries are replaced, Network Module 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).

** Network Module locks only

Hardware Troubleshooting

Cycle lock in both the locked and unlocked positions. If problems are found:

Door is binding

a. Check that door and frame are properly aligned and door is free swinging.

b. Check hinges: They should not be loose or have excessive wear on knuckles.

Bolt will not deadlock

a. Check for sufficient clearance of the bolt within the strike-side jamb. Correct this by increasing the depth of the pocket for the bolt.

b. Check for misalignment of bolt and/or strike which may be preventing bolt from properly entering the strike. With the door open, extend and retract the bolt; if it is smooth, check the strike alignment.

Bolt does not extend or retract smoothly

a. Bolt and strike are misaligned, see above.

b. Check the backset of door relative to adjustments already made to bolt.

c. Verify proper door preparation and re-bore holes that are too small or misaligned.

d. Verify keypad wire harness is routed under the bolt (see Fig. A).

e. Verify bolt is installed with correct side up (Fig. A).

Figure A
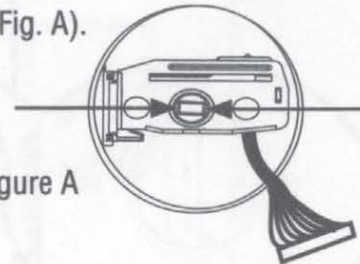
Keypad numerics are scrolling

Remove interior escutcheon and check to ensure that the wire harness lies flat against the back recessed area and is properly routed along the side of the escutcheon and tucked under the plastic cable guide.

NOTE TO INSTALLER AND CONSUMER
While Yale® has included several features to prevent lockout (9-Volt battery jumper, low battery warnings), it is still possible for a lockout situation to occur. Because this product does not have a mechanical override (a key), Yale® recommends to use this product in an environment where there are additional entry points into the dwelling.

Yale Locks & Hardware

Product Support Tel 800.810.WIRE (9473) • www.yalelocks.com

Yale Locks & Hardware is a division of Yale Security Inc., an ASSA ABLOY Group company.

YALE, with its unique global reach and range of products, is the world's favorite lock — the preferred solution for securing your home, family and personal belongings.

ASSA ABLOY is the global leader in door opening solutions, dedicated to satisfying end-user needs for security, safety and convenience.

Yale Follow These Steps To Get Started!

1
Download the Free August App

Create a free account or log in to an existing one.

August App

Download on the App Store · GET IT ON Google Play

2
Set Up New Device

From the menu, tap **Set up a New Device**, then choose the **Connected by August** option. Then choose the **Yale Smart Lock** option.

3
Install Your Yale Lock

Tap **Start** to begin the installation process. Before completing installation, be sure your Connected by August Module is installed and you've created a master code.

4
Install DoorSense
Optional

Follow the steps in the August app to install your DoorSense which is included in the same box where you found your Smart Module.

5
Connect Your Yale Lock

Ensure Bluetooth is enabled on your smartphone. Once you tap **Start Setup**, your phone will search for your Yale Lock and connect. Then, you'll be asked to name the lock and create your home.
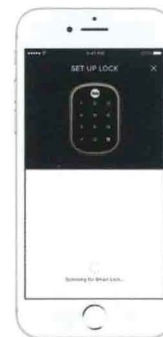
6
Confirm Module Registration

If prompted, confirm module installation. While your module is installed, enter your master code, ⚙, 7, ⚙, ⚙. The lock will say "Completed".

7
Complete System Set-Up

The August app will walk you through calibrating your DoorSense (if used), connecting to HomeKit and setting up your August Connect.

New Door Marking Template

Yale

For 1-3/4" (44.5mm) Thick Door

2-3/4" (70mm) Backset

1" (25mm) Dia.

C̶L̶

1" (25mm) Dia.

2-1/8" (54mm) Dia Thru Hole

C̶L̶

FOLD OVER DOOR EDGE
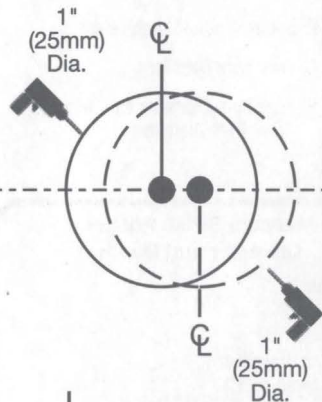
2-1/8" (54mm) Dia Thru Hole

For 1-3/8" (35mm) Thick Door

2-3/8" (60mm) Backset

C̶L̶

CAUTION:
If printed from electronic file,
set print scale to 1:1
Measure ruler to check scale.

Preparing Door & Frame

Necessary for new doors or adjusting existing prep.

2-1/8"
(54mm)
Dia.

1"
(25mm)
Dia.

2-3/8" (60mm)
or
2-3/4" (70mm)
Backset

⚠️

**Drill holes 1/2 way
through door then
complete from other side
to prevent splitting.**

Frame

1" (25mm) Dia.
1" (25mm) Deep
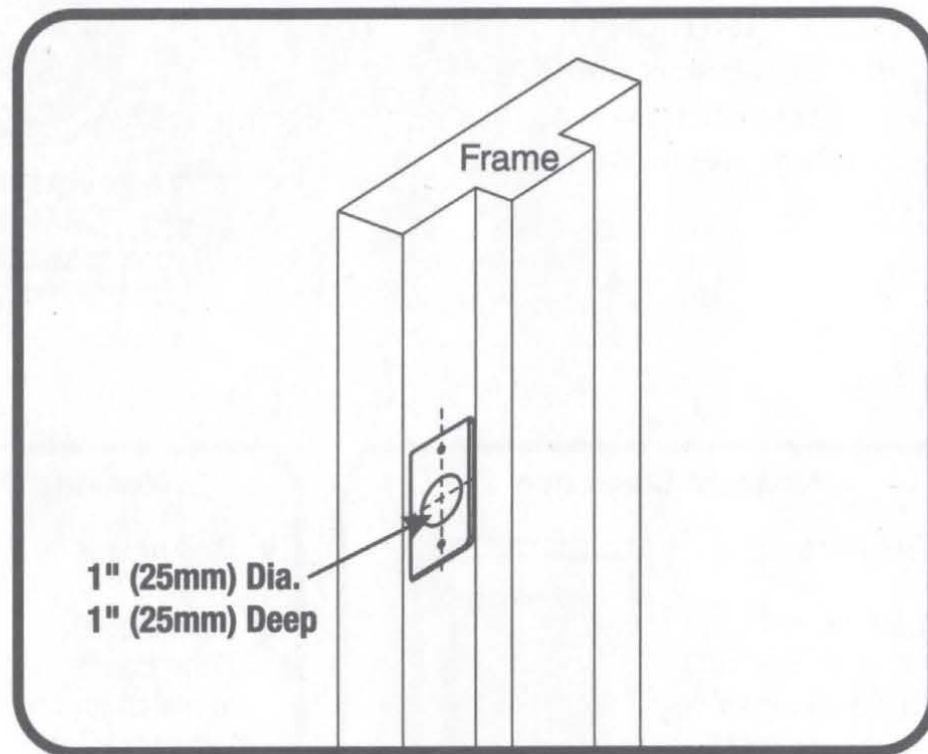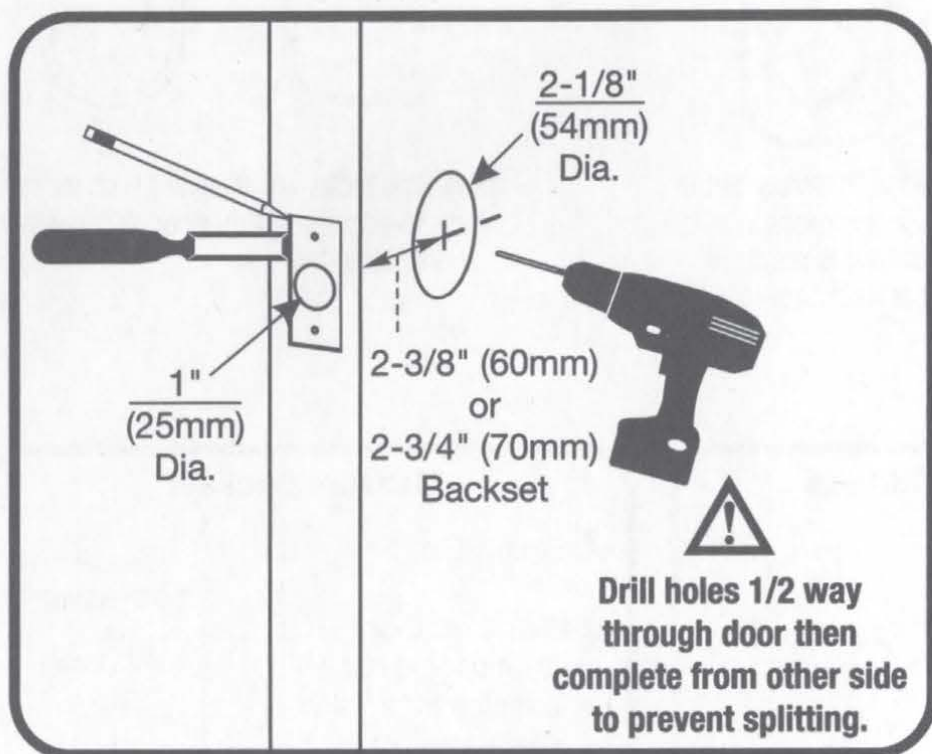
ISL-1286-07

YRD-MNL-0006

Check Your Door Guide

For doors with existing hardware
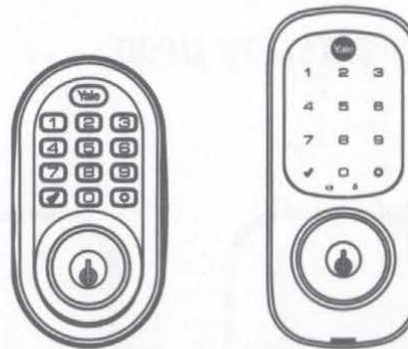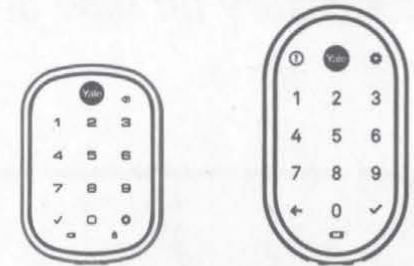
CAUTION:
If printed from electronic file,
set print scale to 1:1
Measure ruler to check scale.

Keyed Locks

*Keyed locks are supplied with Screw Set D
for 1-3/4" to 2-1/4" door thickness. A thin
door gasket (sold separately) is required
for 1-3/8" to 1-3/4" door thicknesses.

Key Free Locks

*Key Free locks are supplied with all screw
sets to accommodate door thicknesses
1-3/8" to 2-1/4".

Measure Clearance

✔ Greater than A

✗ Less than A
(Your door is not
a match for a Yale
electronic lock)
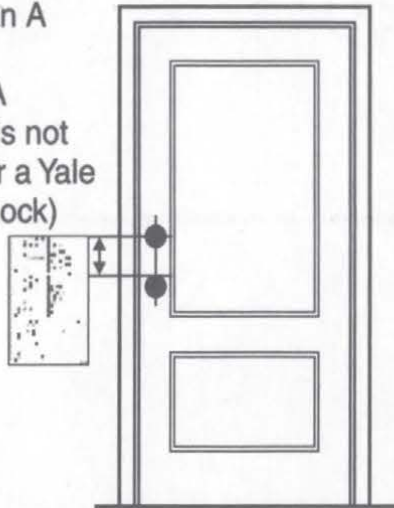
Measure Door Thickness

✔ B, C or D

✗ Less than B
(Your door is not
a match for a Yale
electronic lock)

✗ Greater than D
(Your door is not
a match for a
Yale electronic
lock)

Measure Backset

✔ Equals E or F

✗ Less than E or F
(Your door is not
a match for a Yale
electronic lock)

✗ Greater than E or F
(Your door is not
a match for a Yale
electronic lock)

Backset
2-3/8" (60mm)
or
2-3/4" (70mm)

Ruler markings (top):

| 0 | 1 | 2 | 3 | 4 | 5 | 6 | 7 |

With 1/8, 3/8, 5/8, 7/8 and 1/4, 3/4 and 1/2 subdivisions marked across each inch.

Markers below ruler:

H (at ~1)

B → C → D (B at ~1-3/8, C at ~1-3/4, D at ~2-1/8)
Green   Black   Silver

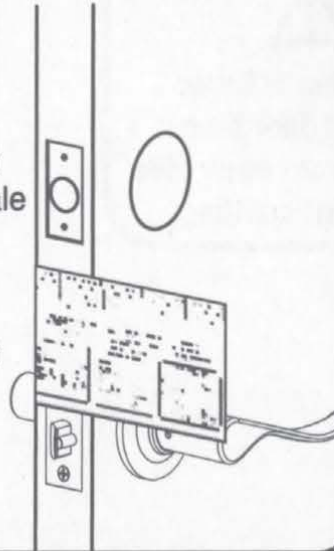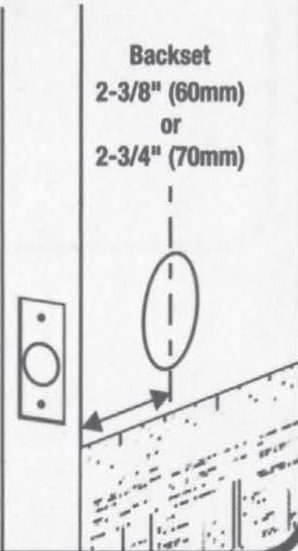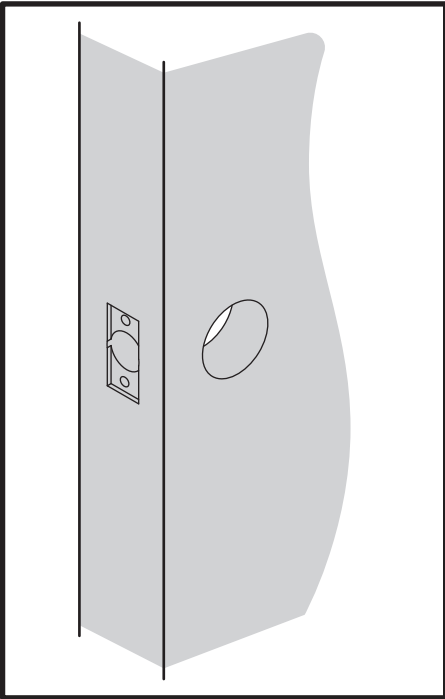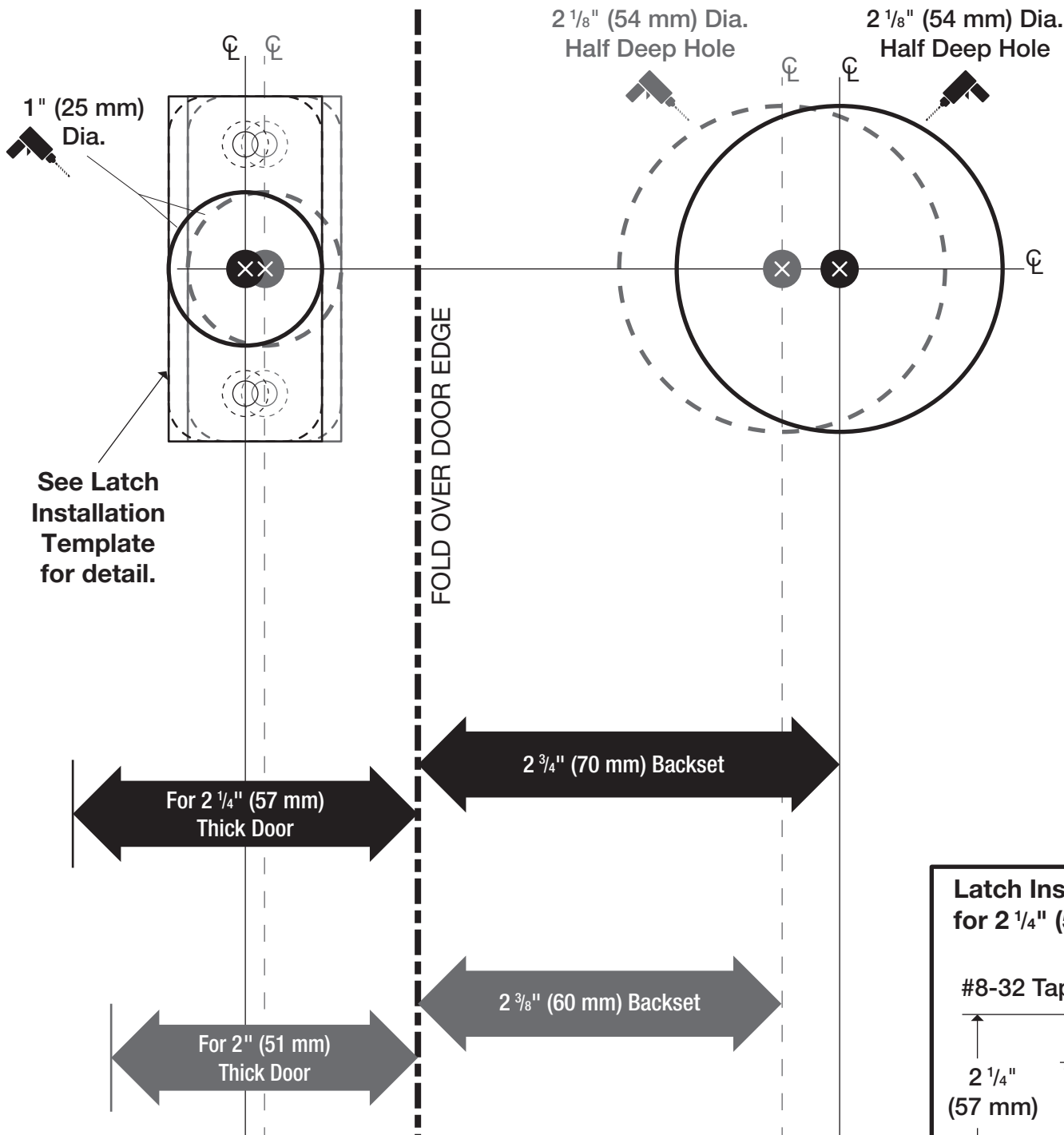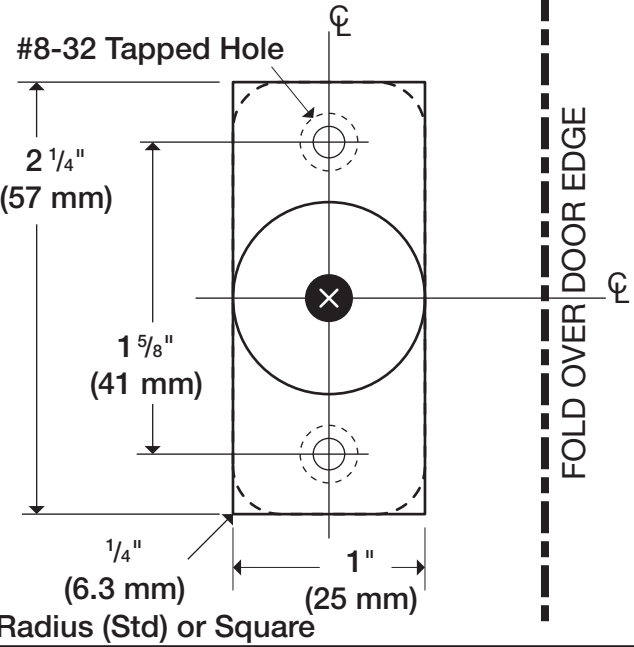A G E (around 2)

F (around 2-3/4)

A. Minimum clearance between top of existing lever/knob rose (trim) and center of deadbolt hole.

* B. 1-3/8" Door Thickness; use Screw Set B. Screws are tinted green.

* C. 1-3/8" - 1-3/4" Door Thickness; use Screw Set C. Screws are tinted black.

* D. 1-3/4" - 2-1/4" Door Thickness; use Screw Set D. Screws are tinted silver.

E. Backset; use Out of Box latch setting.

F. Backset; adjust latch setting.

G. Face Bore Diameter.

H. Edge Bore Diameter and Depth. Cross Bore Diameter.

Measure Face Bore

✓ Equals G

✗ Less than G (Adjust diameter to 2-1/8")

✗ Greater than G (Your door is not a match for a Yale electronic lock)

2-1/8" (54mm)

Measure Cross Bore

✓ Equals H

✗ Less than H (Adjust diameter to 1")

✗ Greater than H (Your door is not a match for a Yale electronic lock)

1" (25mm) Dia.

Measure Strike Pocket Diameter and Depth

✓ Equals H

✗ Less than H (Adjust diameter and depth to 1")

✗ Greater than H (Your door is not a match for a Yale electronic lock)

Frame

1" (25mm) Dia.
1" (25mm) Deep

Yale®

1" (25 mm) Dia.

2 $\frac{1}{8}$" (54 mm) Dia. Half Deep Hole

2 $\frac{1}{8}$" (54 mm) Dia. Half Deep Hole

See Latch Installation Template for detail.

FOLD OVER DOOR EDGE

2 $\frac{3}{4}$" (70 mm) Backset

For 2 $\frac{1}{4}$" (57 mm) Thick Door

2 $\frac{3}{8}$" (60 mm) Backset

For 2" (51 mm) Thick Door

75 mm
3"
50 mm
2"
25 mm
1"

CAUTION: If printed from electronic file, set print scale to 1:1. Measure ruler to check scale.

0" 1" 2" 3"
25 mm 50 mm 75 mm

Latch Installation Template for 2 $\frac{1}{4}$" (57 mm) Thick Door

#8-32 Tapped Hole

2 $\frac{1}{4}$" (57 mm)

1 $\frac{5}{8}$" (41 mm)

FOLD OVER DOOR EDGE

$\frac{1}{4}$" (6.3 mm) Radius (Std) or Square

1" (25 mm)

Latch Installation Template for 2" (51 mm) Thick Door

2 $\frac{1}{4}$" (57 mm)

1 $\frac{5}{8}$" (41 mm)

FOLD OVER DOOR EDGE

1" (25 mm)

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ASSA ABLOY
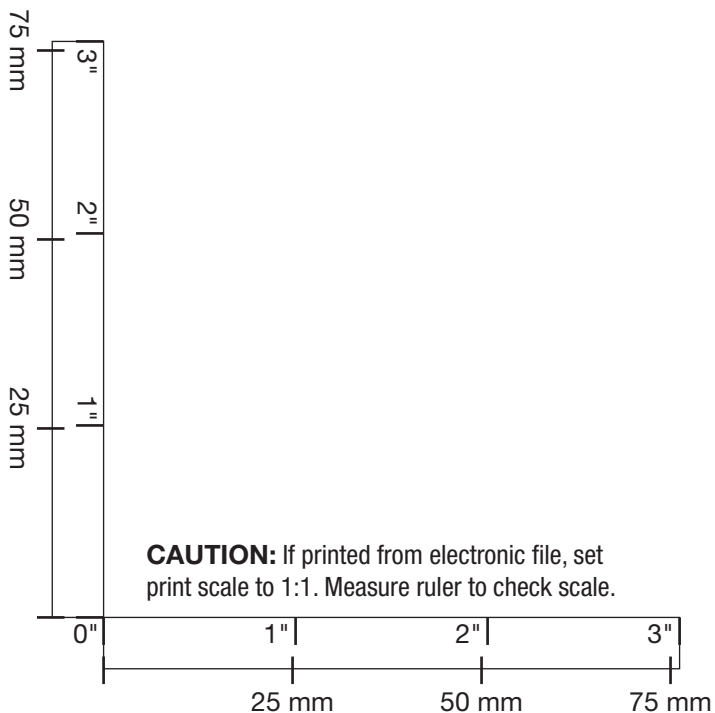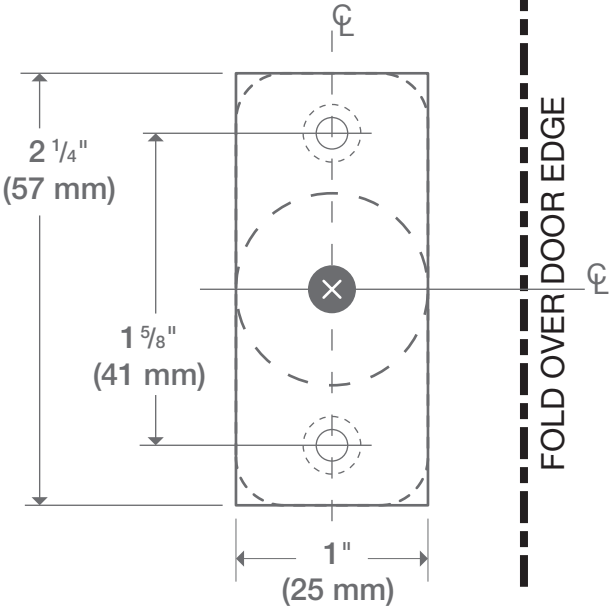
Check Door Compatibility

✅ 2 1/8" minimum

✅

❌
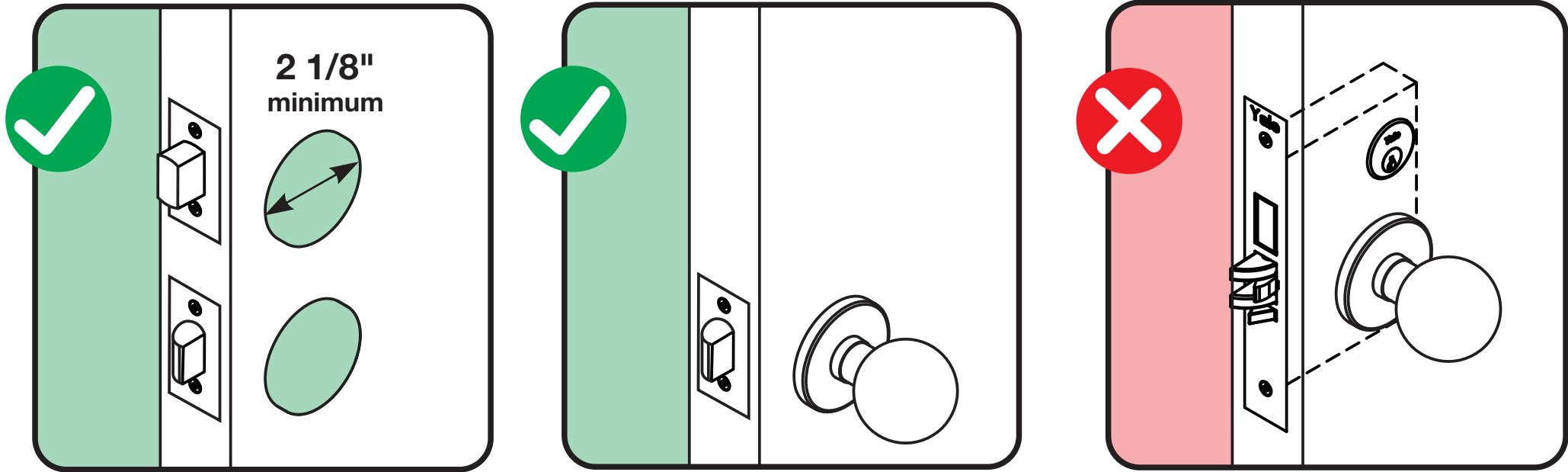
Deadbolts

1-3/4" to **2-1/4"** door thickness

✅

✅

YRD216   **YRD226**   **YRD256/156**
1-3/8" to **2-1/4"** door thickness

4" center to center minimum

Interconnected

1-3/8" to **1-3/4"** door thickness

✅

✅

YRC216   **YRC226**   **YRC256**

4" or 5.5" center to center
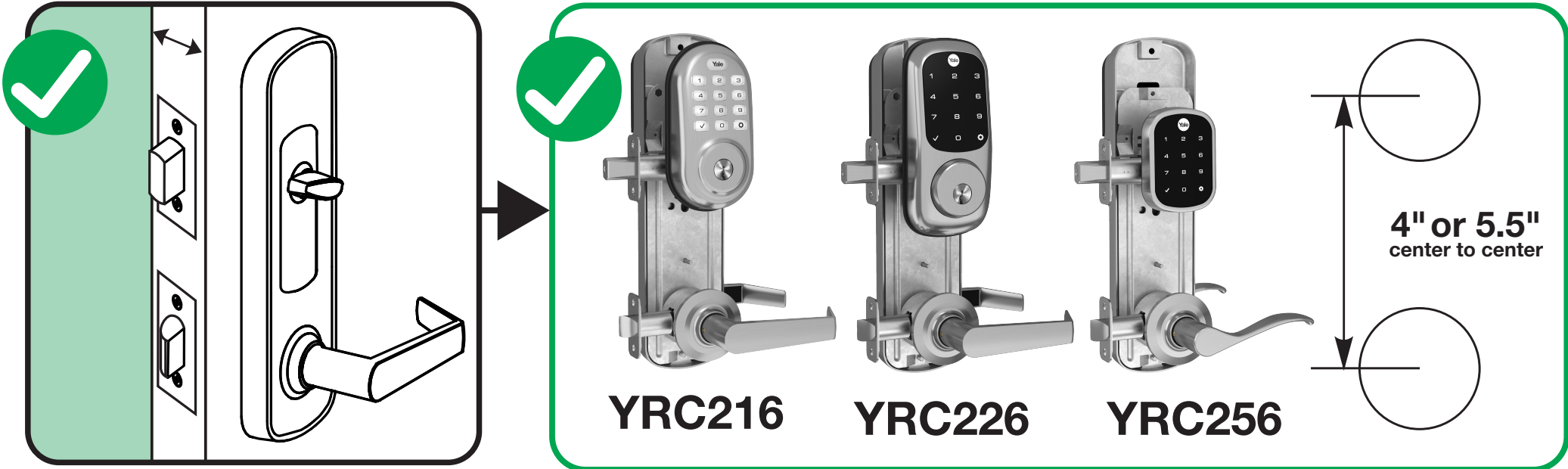
Levers

1-3/8" to **1-3/4"** door thickness

✅

✅

2 1/8" minimum

YRL210   **YRL216**   **YRL236**

YRL220   **YRL226**   **YRL256**
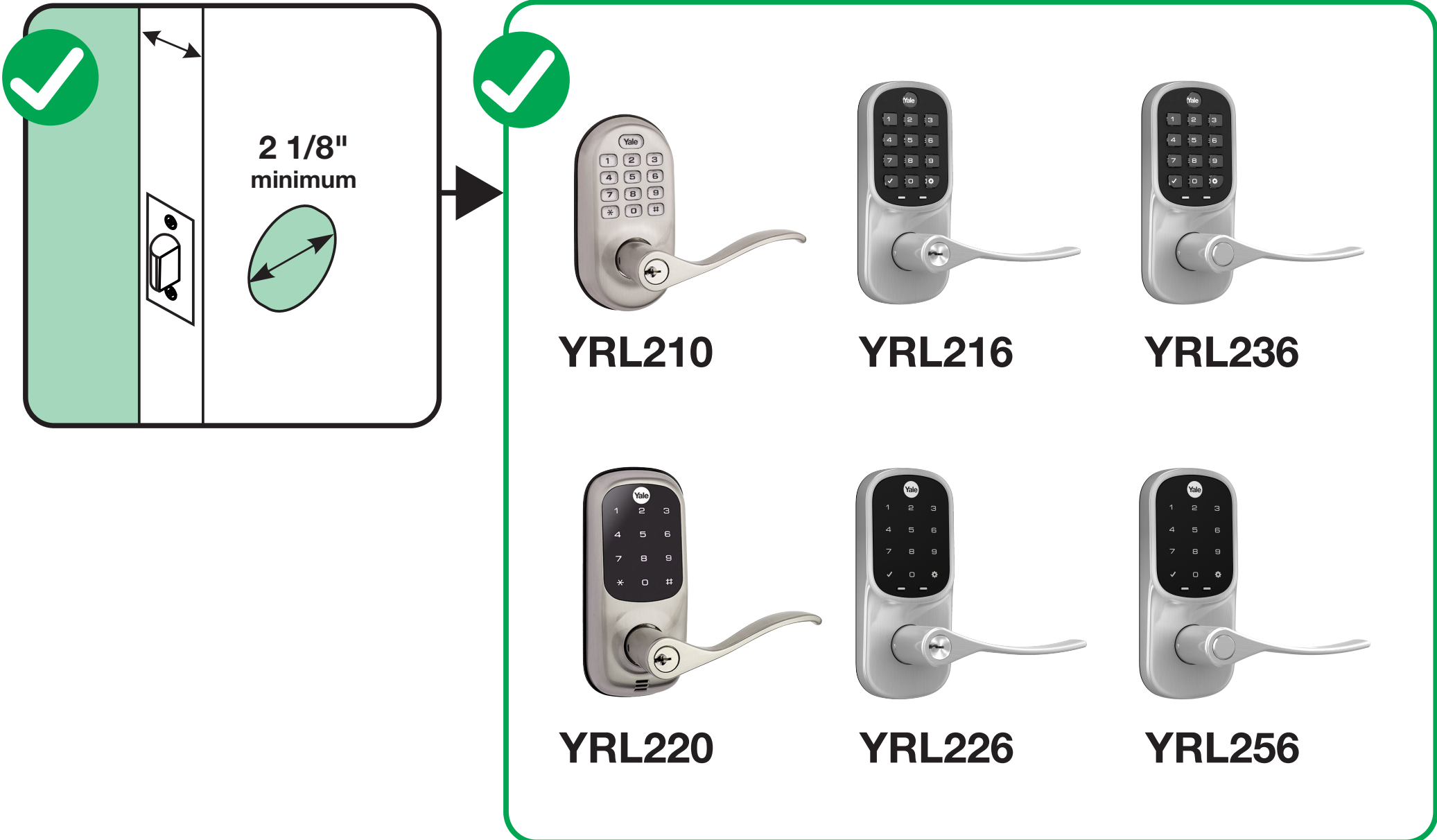
Before You Start, Download the Yale Secure App

Follow the steps on the back of this guide
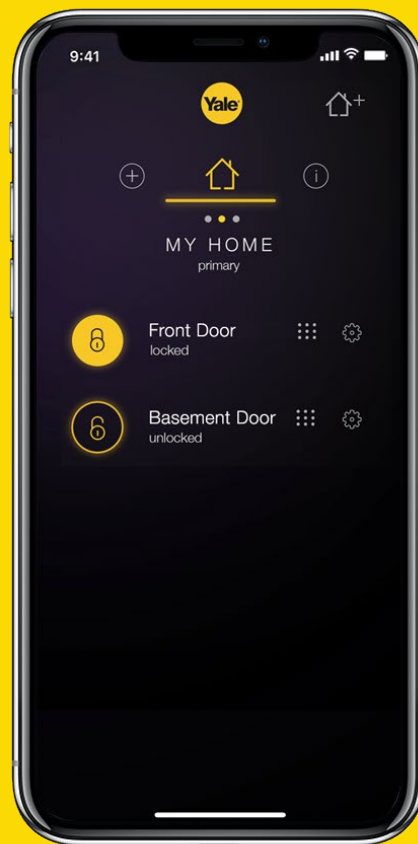after you install your Yale Assure Lock.®

Yale Secure app   Download on the App Store

Note: This lock is not for use with the Yale Assure app

Yale Customer Service: 1-855-213-5841

ASSA ABLOY

Get Started

Yale   Works with Apple HomeKit

1. Install your lock

Follow the printed installation manual in
the box for instructions on how to install
your Yale Assure Lock.® You can view
3D, interactive instructions on your
smartphone or tablet by downloading
the BILT app and searching for your
Yale lock.

2. Turn on Bluetooth®

After installing your lock and downloading
the Yale Secure app, go into your iPhone
or iPad settings and ensure Bluetooth
is turned on.

3. Install the module

Now, install your Yale iM1 Network Module:
• Remove the battery cover and batteries
• Insert the iM1 Network Module, with its
  visible pins in the bottom right corner,
  into the slot above the battery compartment
• Reinstall batteries and battery cover
• Enter your **master pin code** followed by ⚙
• Press **7**, followed by ⚙
• Press **1**, followed by ⚙

4. Create your home

Open the Yale Secure app
and create a new home by tapping
the **+** icon in the top right corner.

5. Add a lock

Tap the **+** icon next to your home name
to add a new lock. Tap the Yale lock
when it appears as an available device.
Using your iPhone® or iPad®, scan the
8-digit Accessory Set-Up Code located
on the back of your iM1 Installation
Manual (inside the Network Module box).
You can also manually enter this code in
the app.

6. Name your lock

This is the name you'll use for Siri® commands
so choose something simple like "Front Door".

Lock and unlock from anywhere!

When you have an Apple TV® (4th Gen or later) or iPad® (iOS 10.3 or later) set up as a home hub,
you can lock and unlock your door, manage pin codes and receive notifications from anywhere!
Visit YaleHome.com/iM1RemoteAccess for steps.

Before You Start, Download the August App

Follow the step-by-step installation video in the August app.

a August

2530 Maple St.

FRONT DOOR

Open | Unlocked
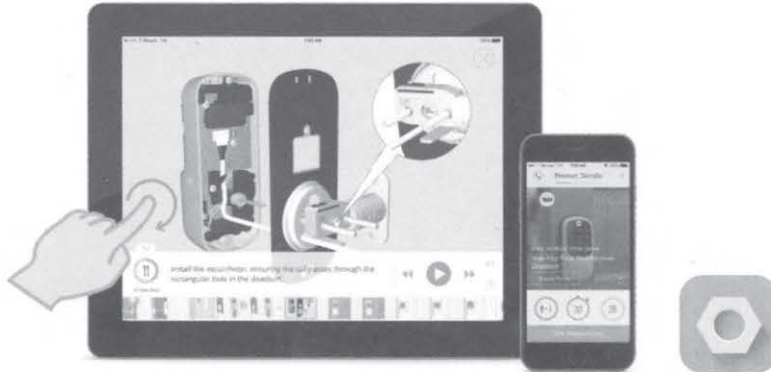
August Customer Support
Call: 1-844-284-8781   Visit: august.com/support

Before you begin.

Yale®

Download the free BILT app for 3D. interactive installation tutorials.

BILT.

Download installation manuals in other languages: YaleHome.com/Support

Register your product and get 20% OFF.*

Visit: YaleHome.com/Register

Get 20% OFF*
at ShopYaleHome.com when you register

*Some exclusions may apply

ISL-1574-00 Ver.4
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ASSA ABLOY

Yale® ALERT | IMPORTANT Information on Product Returns

Call us first! We're here to help.

For any technical questions or support, please call 1-800-810-WIRE (9473) for Yale Technical Services. Support is available: M-F 8am to 7pm EST
Email: Service@YaleLock.com

Download the free Bilt app for 3D interactive instructions

GET IT ON Google Play

Download on the App Store

ISL-1575-00 Rev.3

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