

**Yale**

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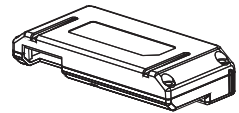
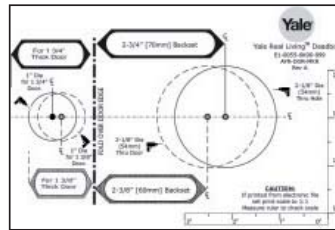
**Yale® Assure Lock®  
Push Button Deadbolt  
Installation and Programming Instructions  
(YRD216/YRD416)**



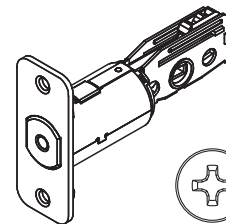
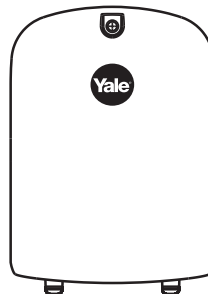
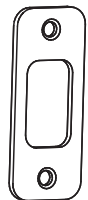
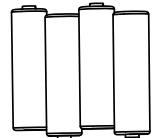
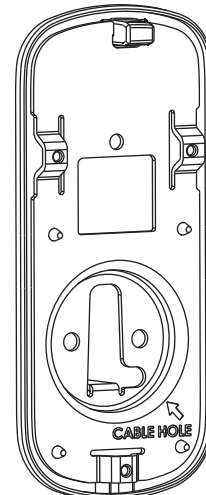
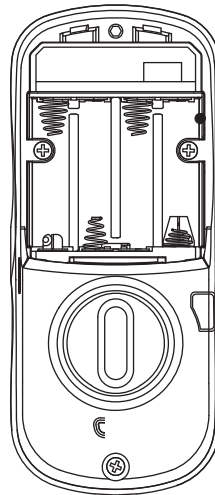
**Before you begin**

**DOWNLOAD  
THE BILT APP**

for step-by-step installation  
instructions & to register  
your product



Optional  
Network Module

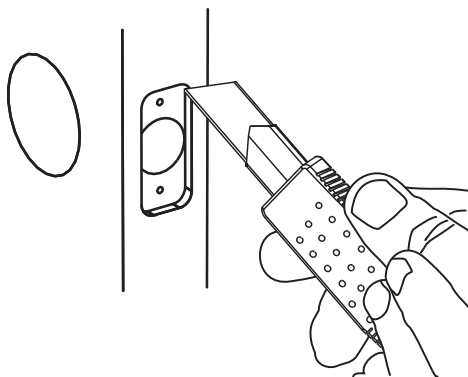
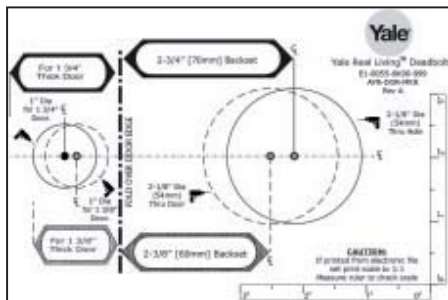


**x4**  
#7 wood & #8-32  
machine x 20mm  
Combination screws

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

**x2**  
M6x59.5mm  
Long through bolt

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

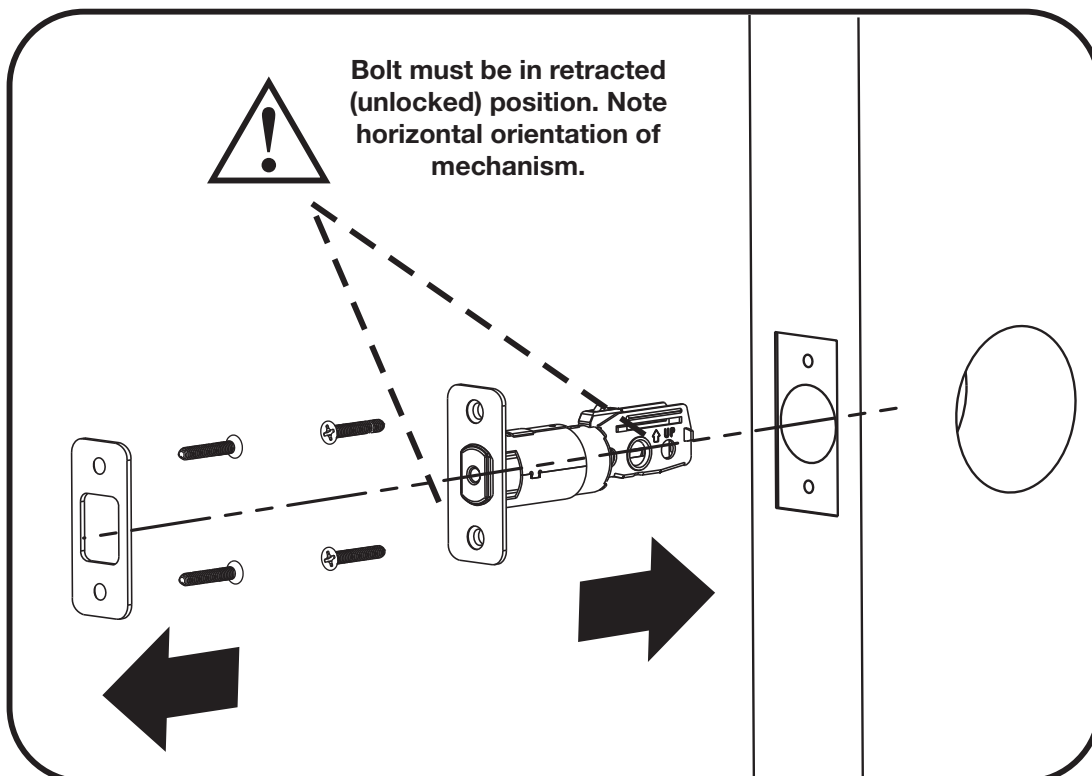
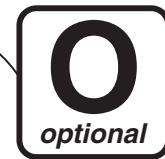
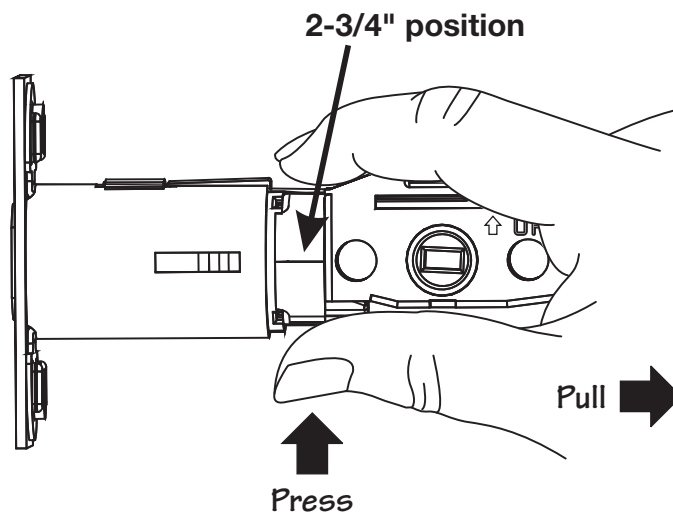
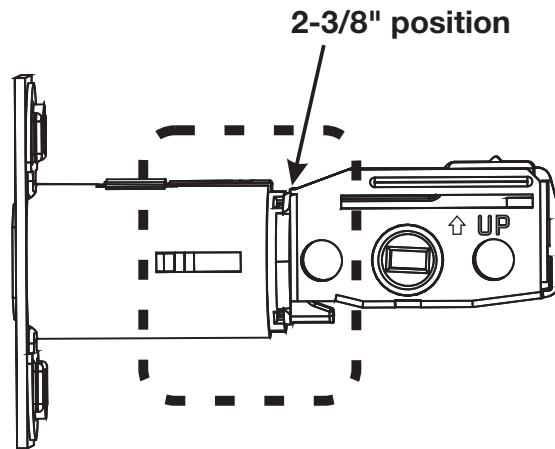


# 1

## Installing Latch & Strike Plate

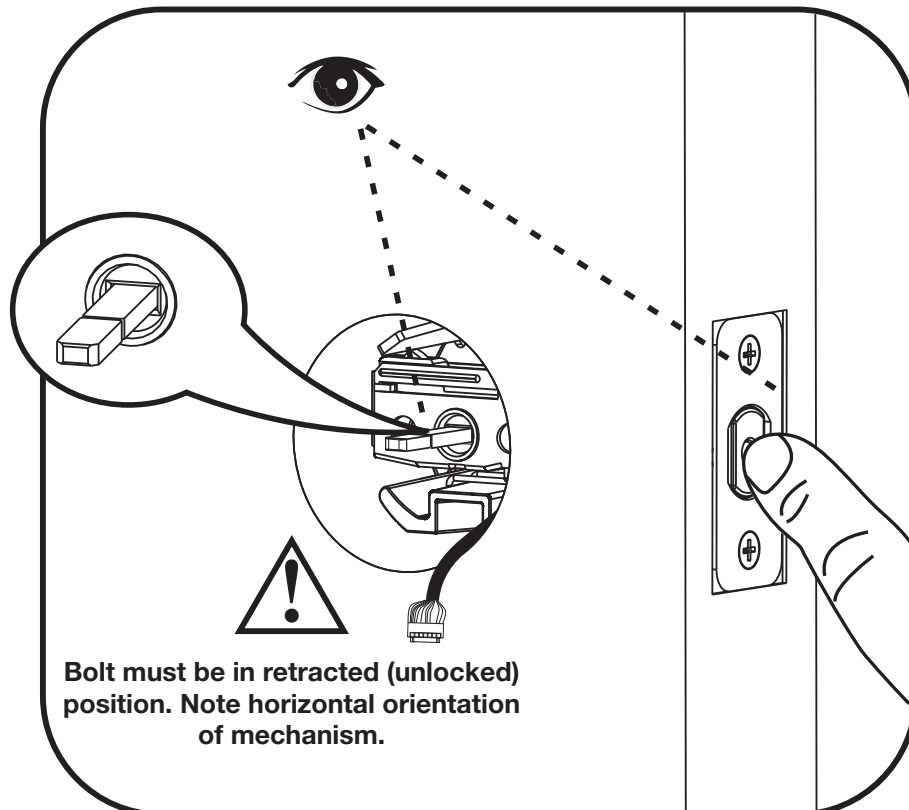
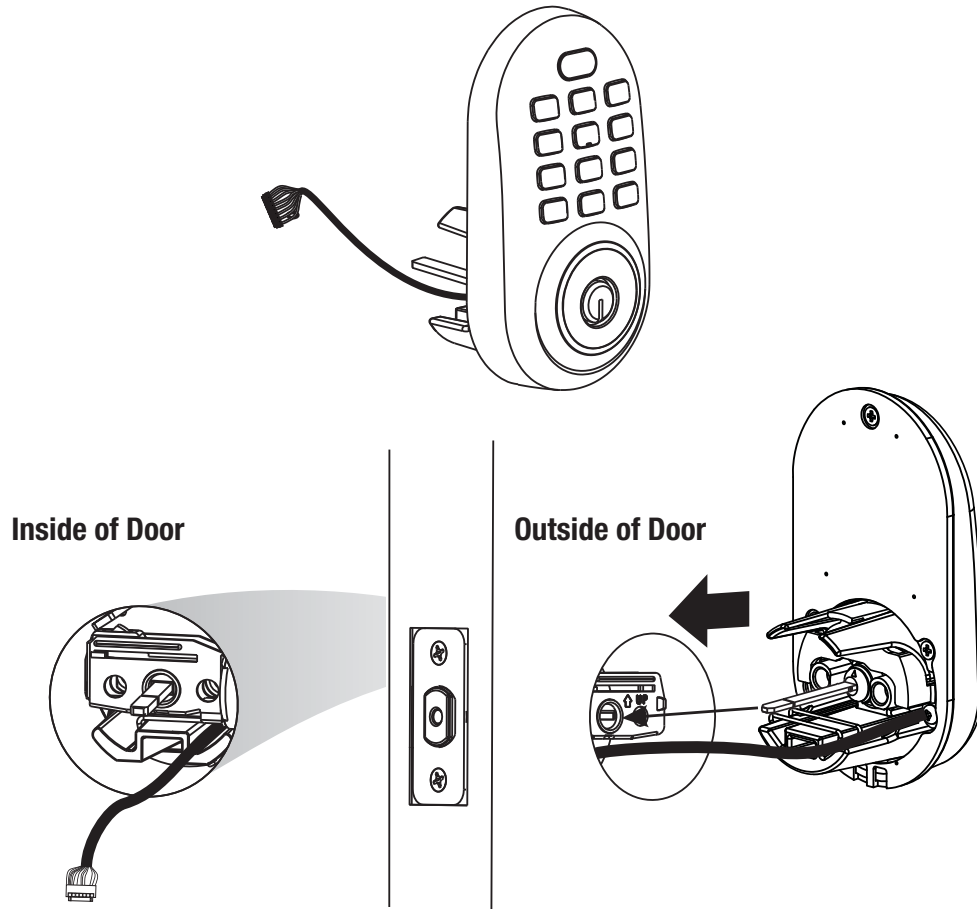


x4



# 2

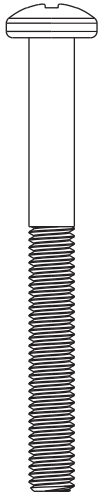
## Installing Keypad Escutcheon



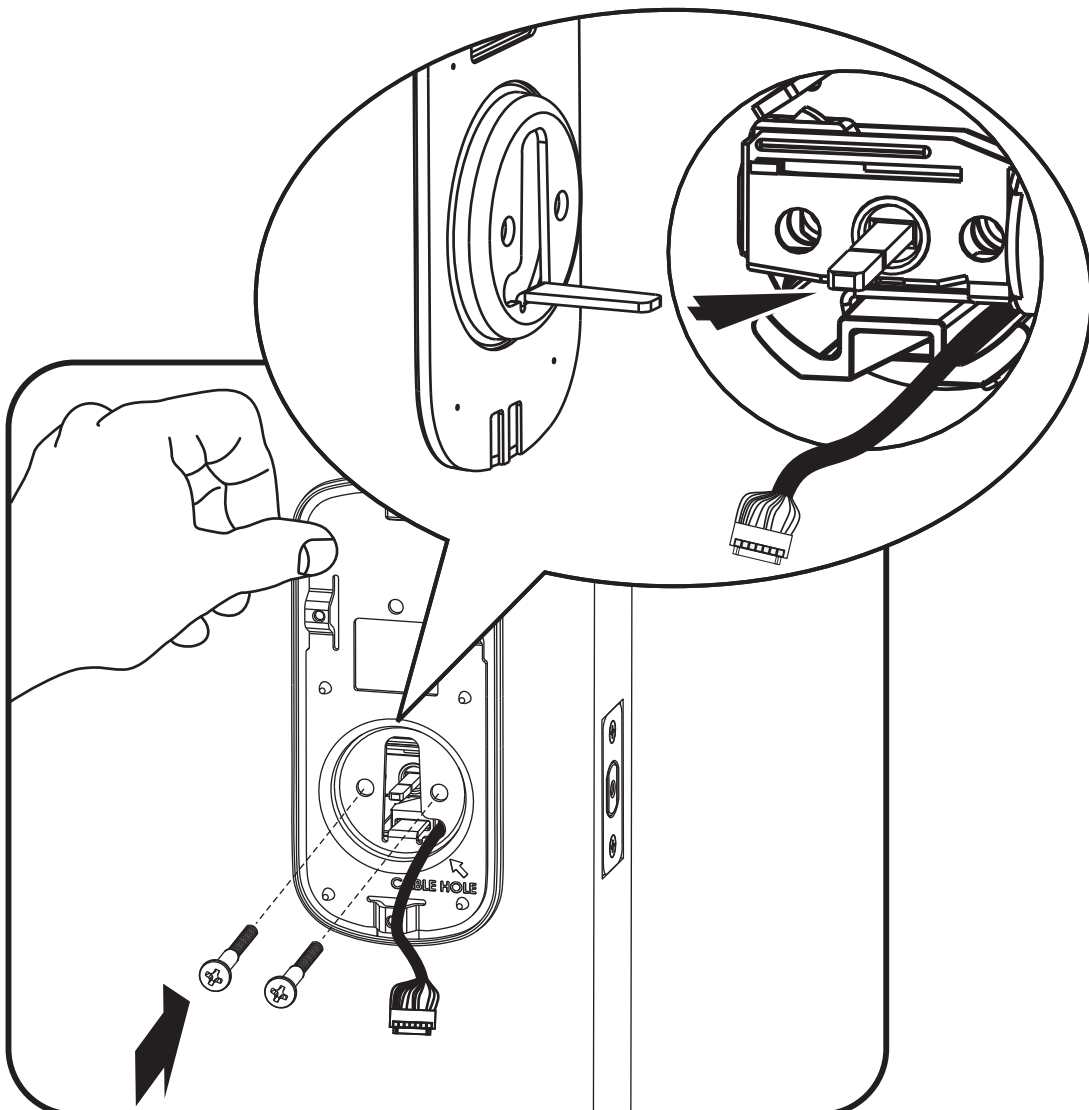
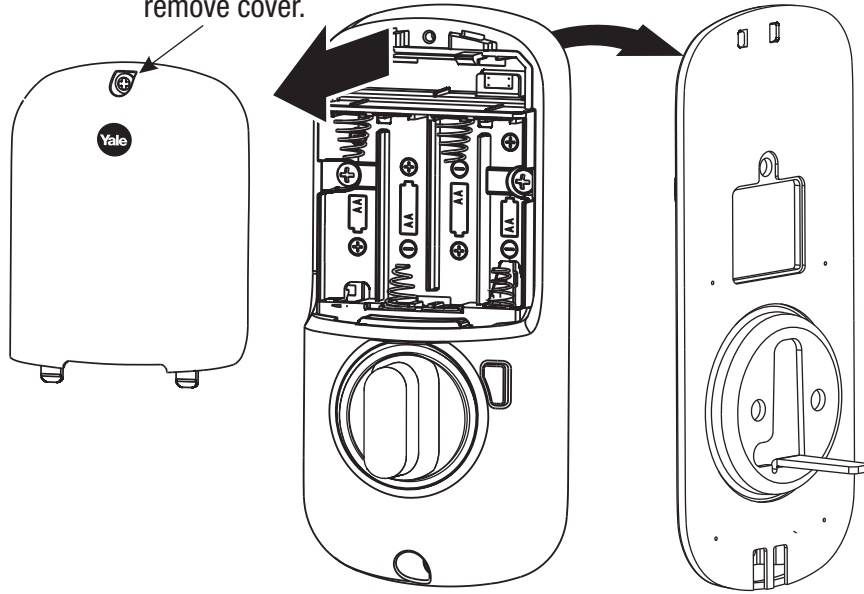
# 3

## Installing Interior Mounting Plate

Loosen screw to  
remove cover.

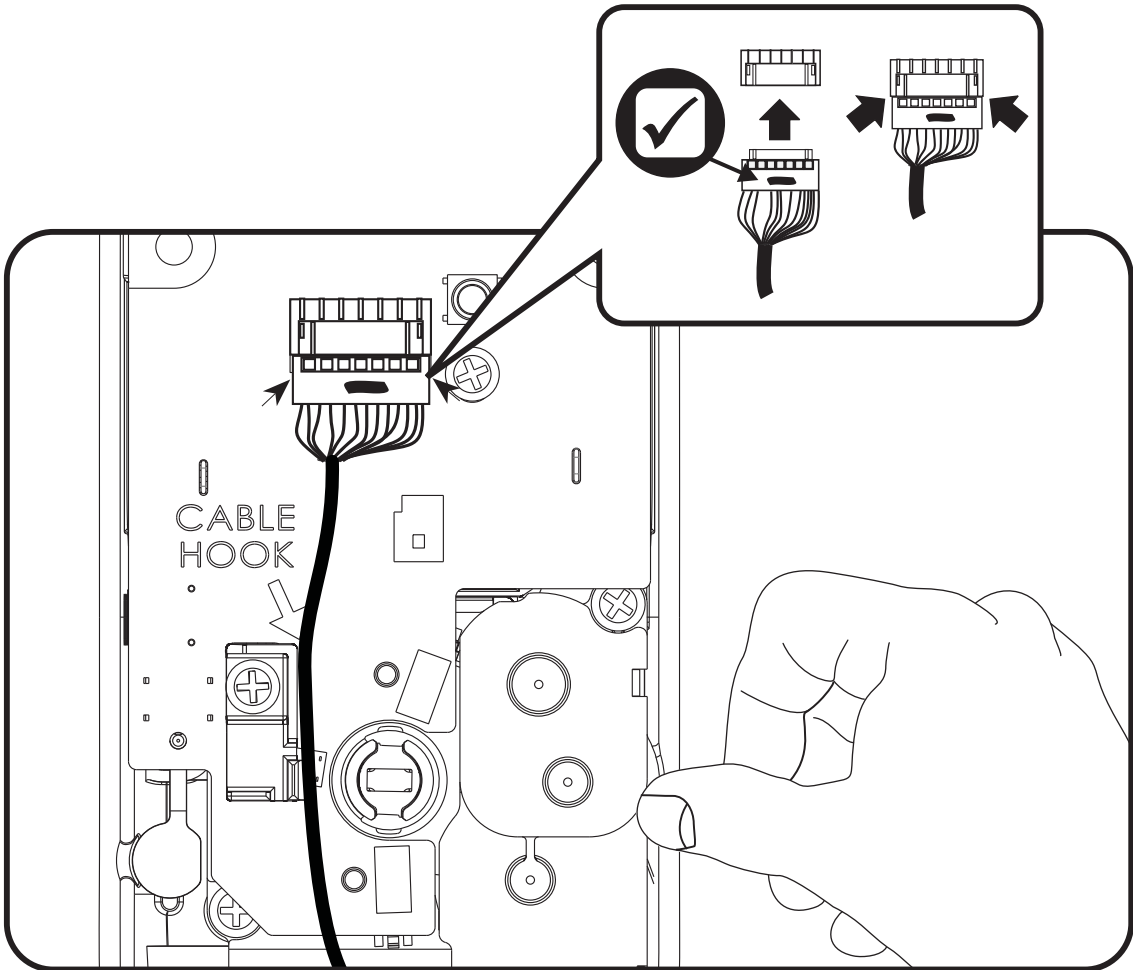
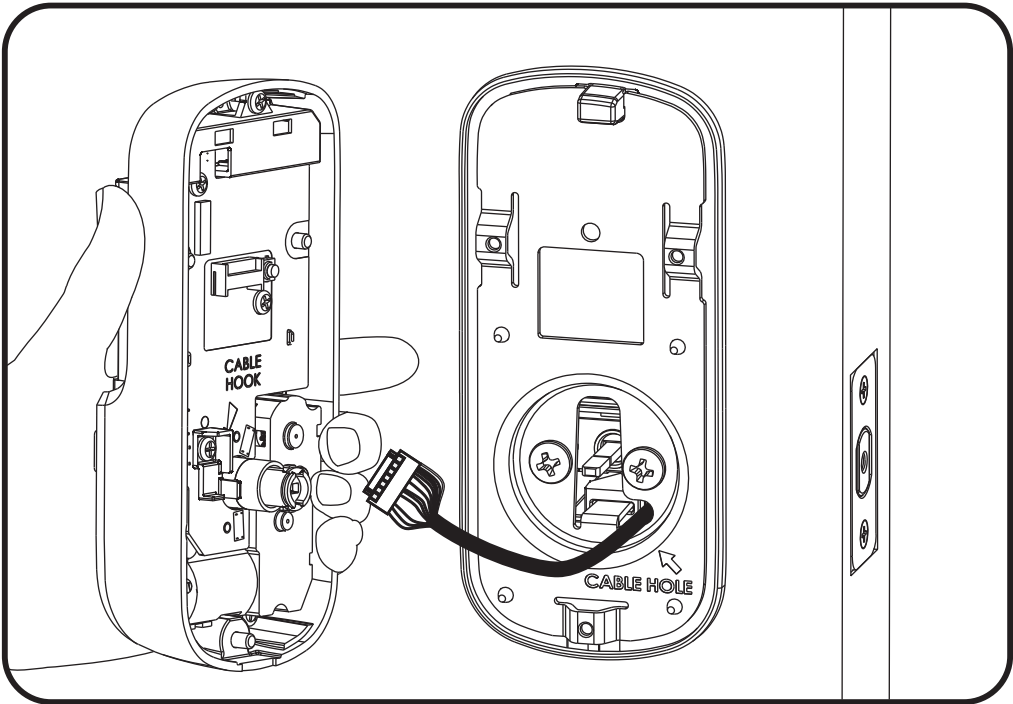


x2



# 4

## Attaching the Cable Assembly

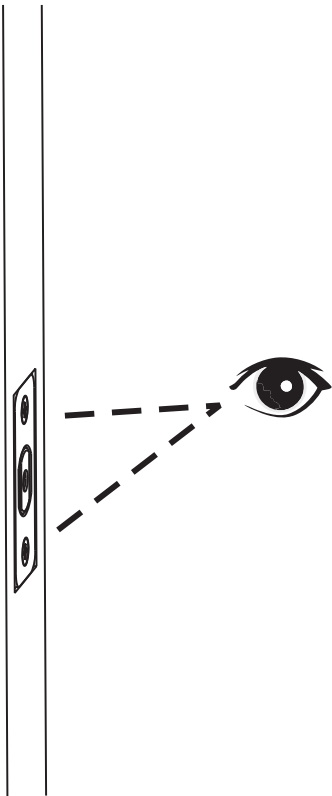
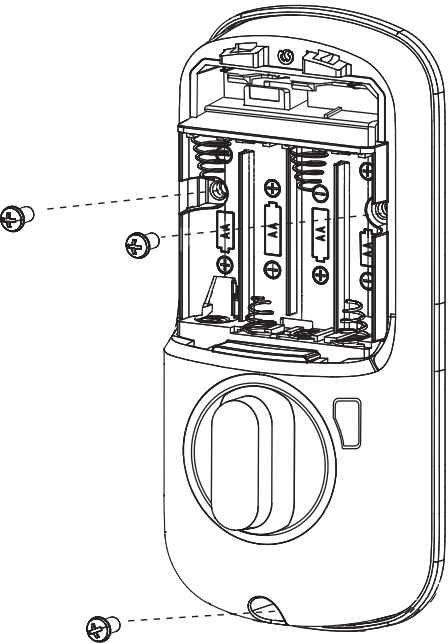
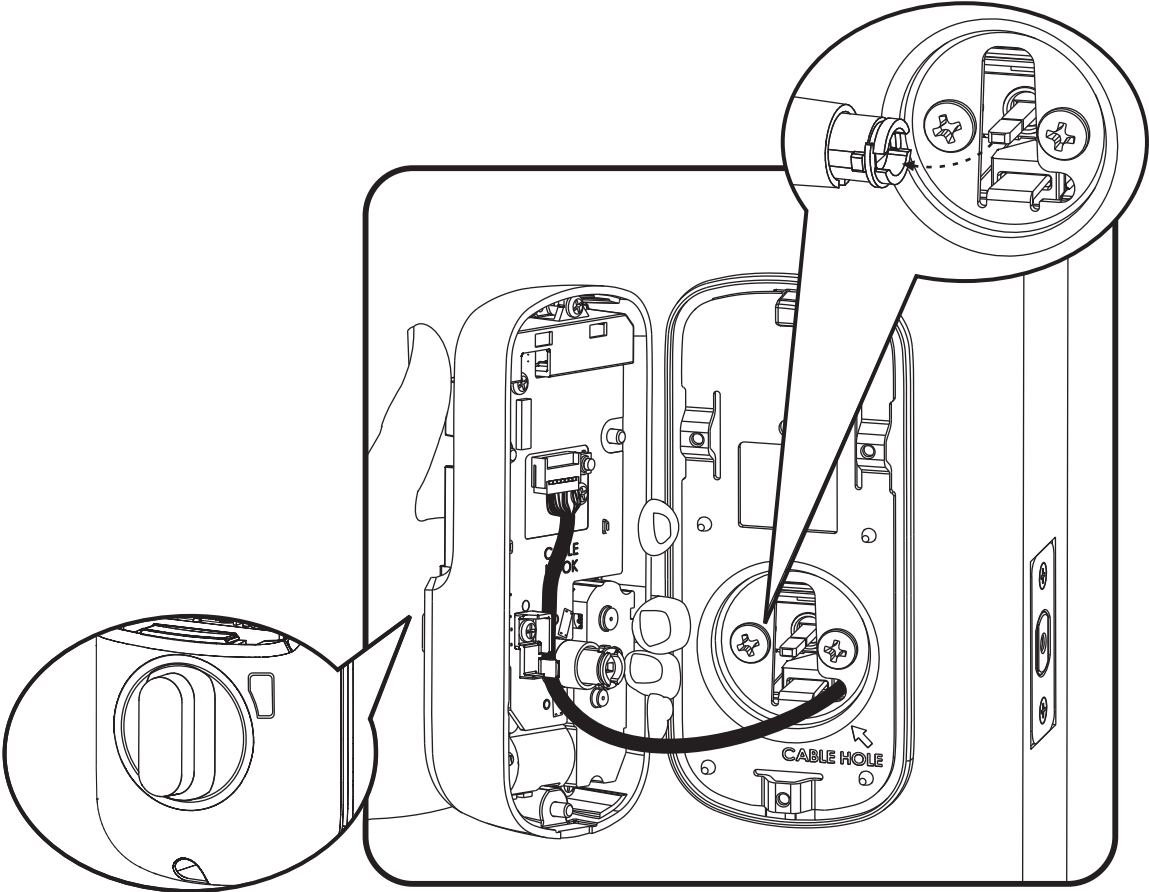


# 5

## Installing Interior Escutcheon

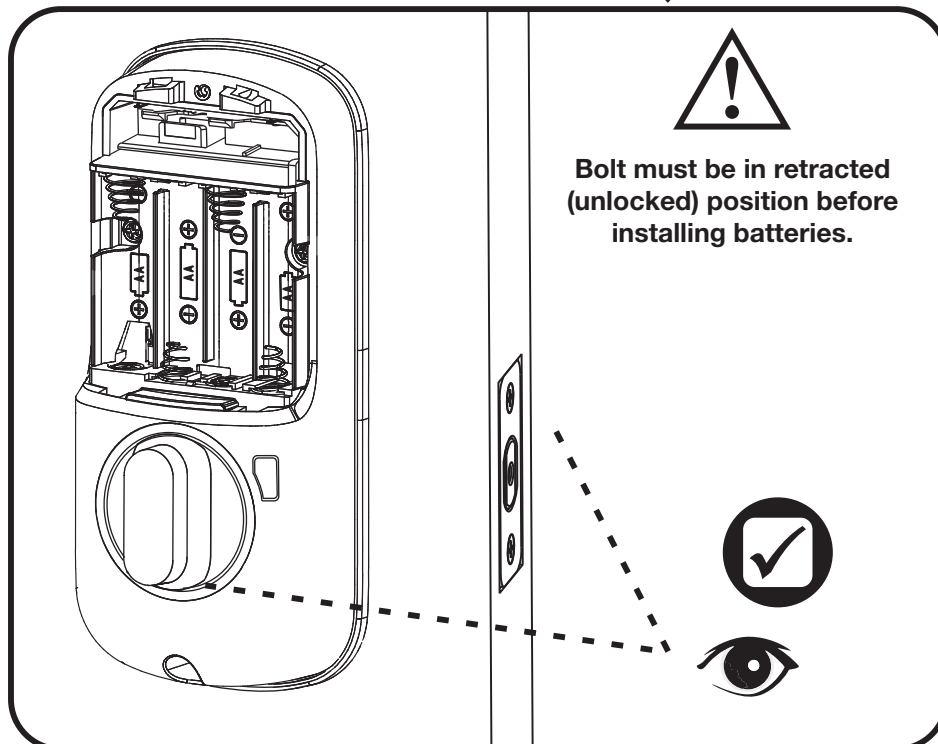
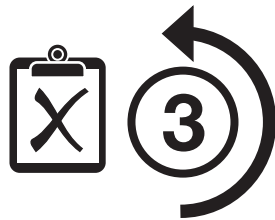
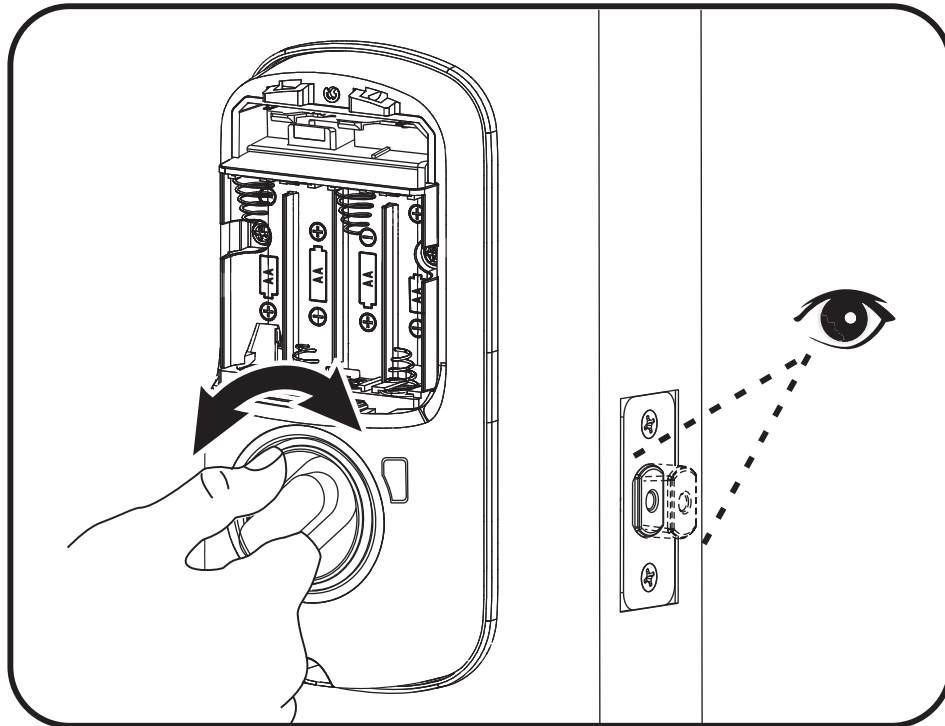


x3





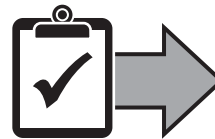
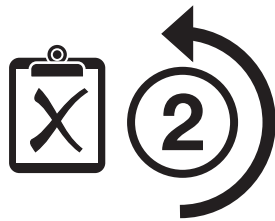
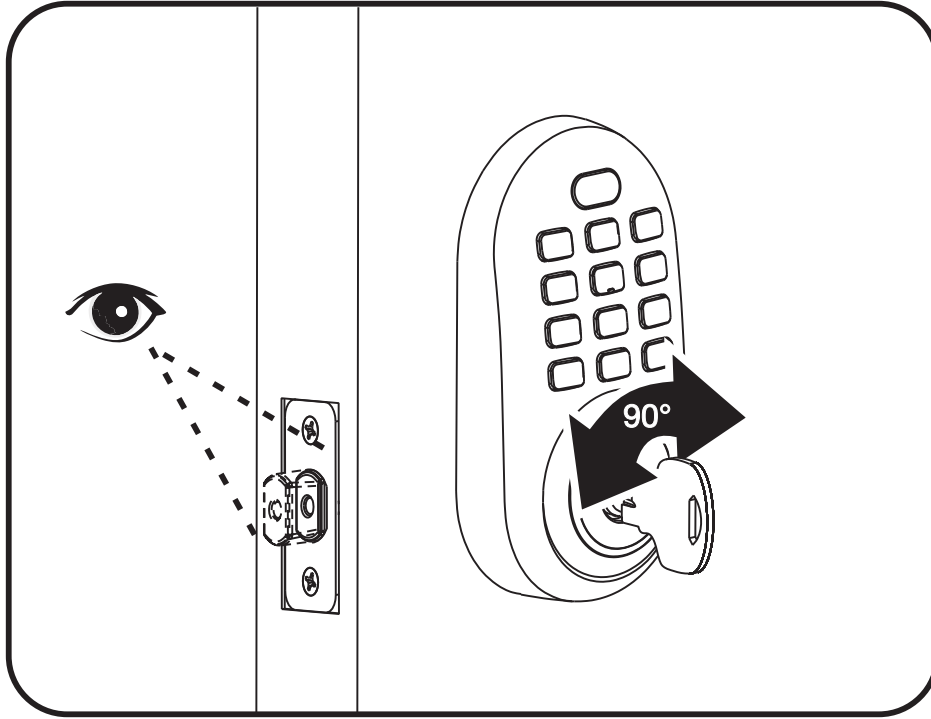
## Testing Operation





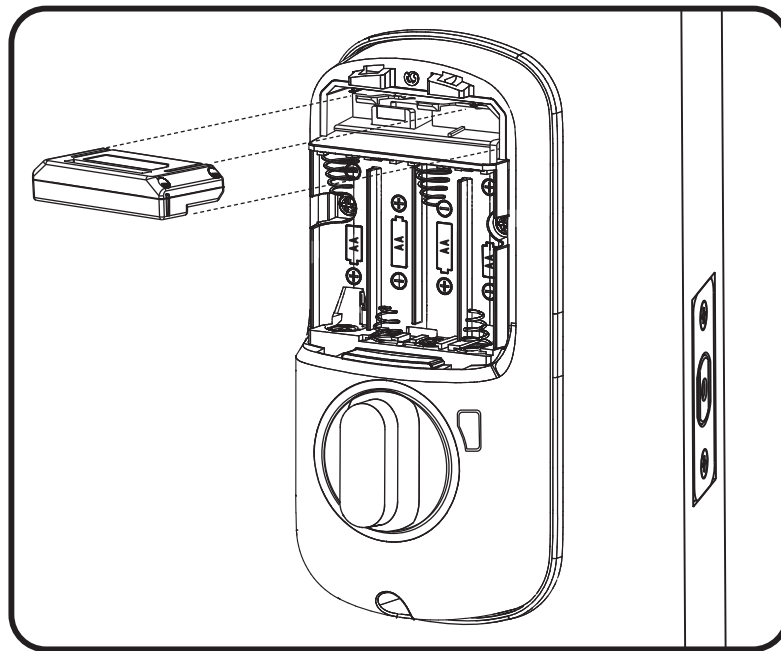


## Testing Operation



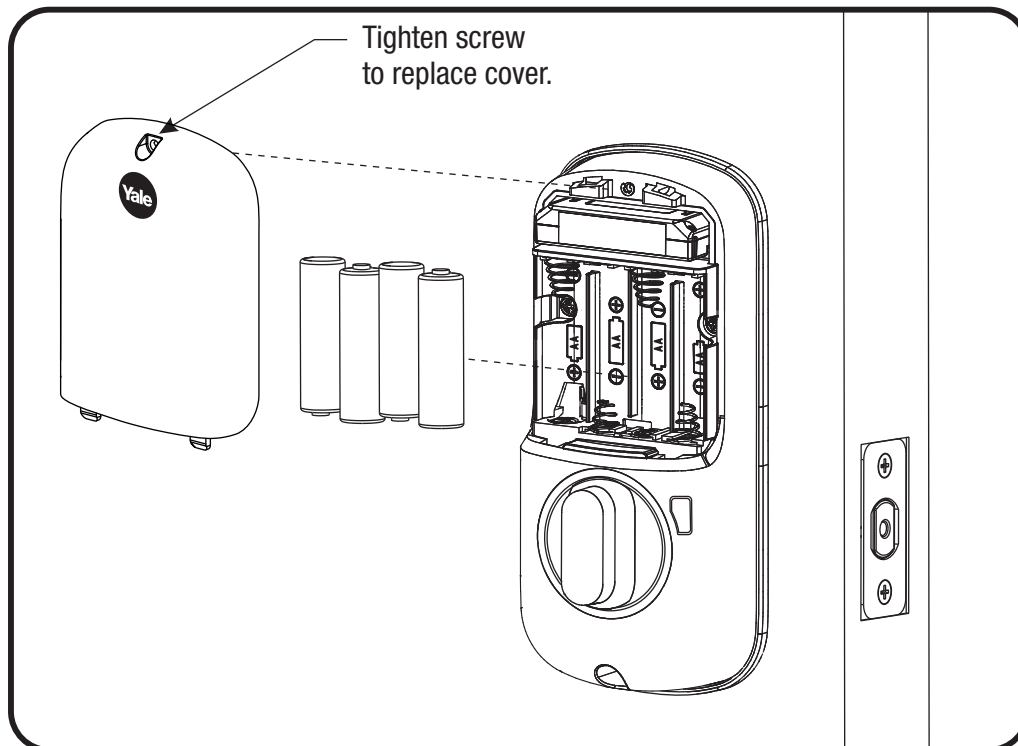
# 6

## Installing Optional Network Module



# 7

## Installing Batteries & Cover

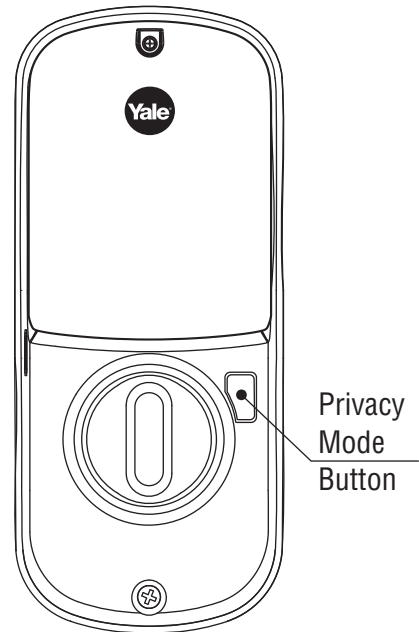


Congratulations, you've installed the Yale® Assure Lock®  
Push Button Deadbolt (YRD216)!  
Continue with Programming Instructions to customize your product.

# Programming Instructions



**Exterior Escutcheon**

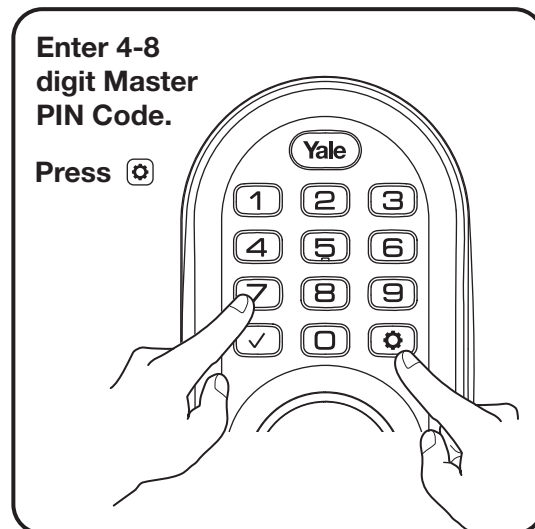
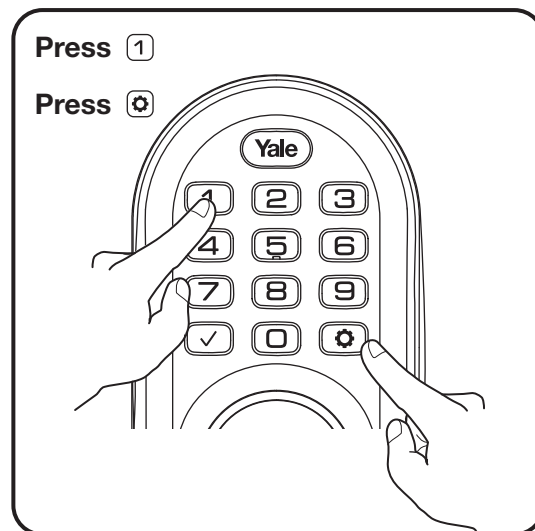
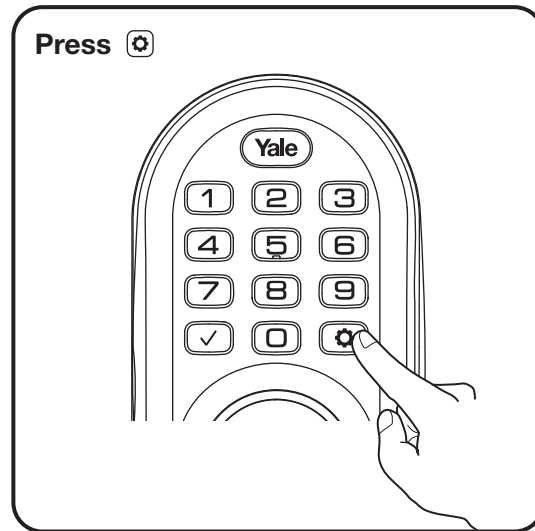


**Interior Escutcheon**

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

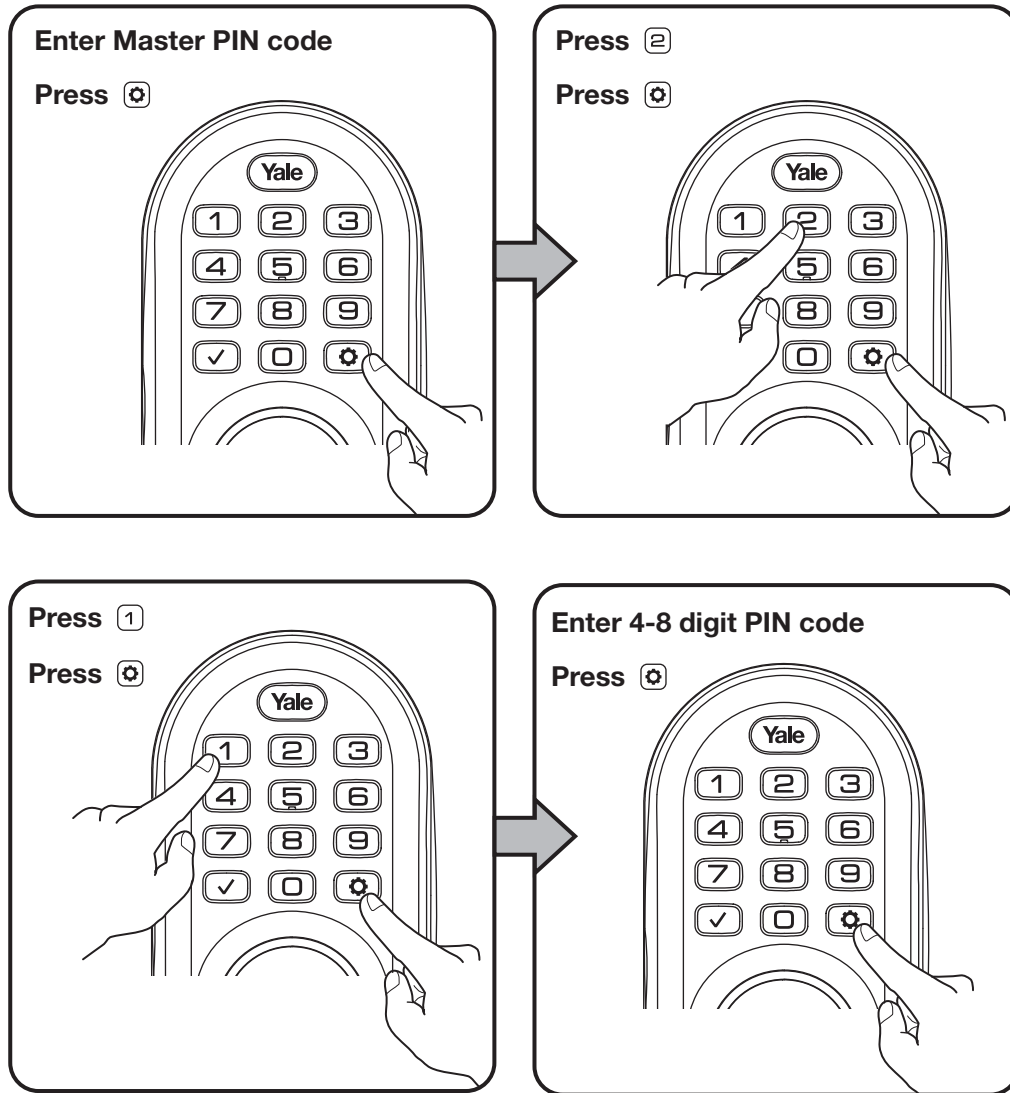


# 2

## Creating User PIN Codes

Master PIN code must be created first.

\*Max User Codes = 250 with Network Module. Max User Codes = 25 without.



## Unlocking Door with PIN Code



Duplicate if necessary

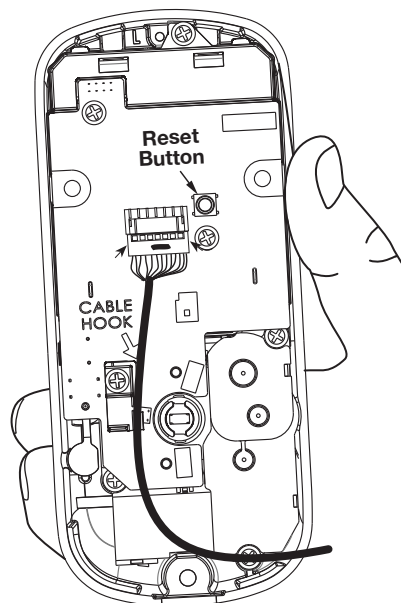
### PIN Code Management (With Network Module - Up to 250 Users)

# 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 <i>required*</i>
Automatic Re-lock	Disabled
Inside Indicator Light	Disabled (Off)
One Touch Locking	Enabled
Privacy Button Setting	Disabled
Audio Mode	Enabled
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 keypad 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 thirty (30) seconds.

**Low Battery:** When battery power is low, the Status Indicator flashes RED. If battery power is completely lost, use the key override.

**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:** 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 keypad will extend the latch (during Automatic Re-lock duration or when Automatic Re-lock is disabled).

**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 shut down (flashing keypad) for 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 250 with Network Module; without Network Module, maximum is 25 user codes.

**Wrong Code Entry Limit:** After five (5) unsuccessful attempts at entering a valid PIN code, the unit will shut down and not allow operation.

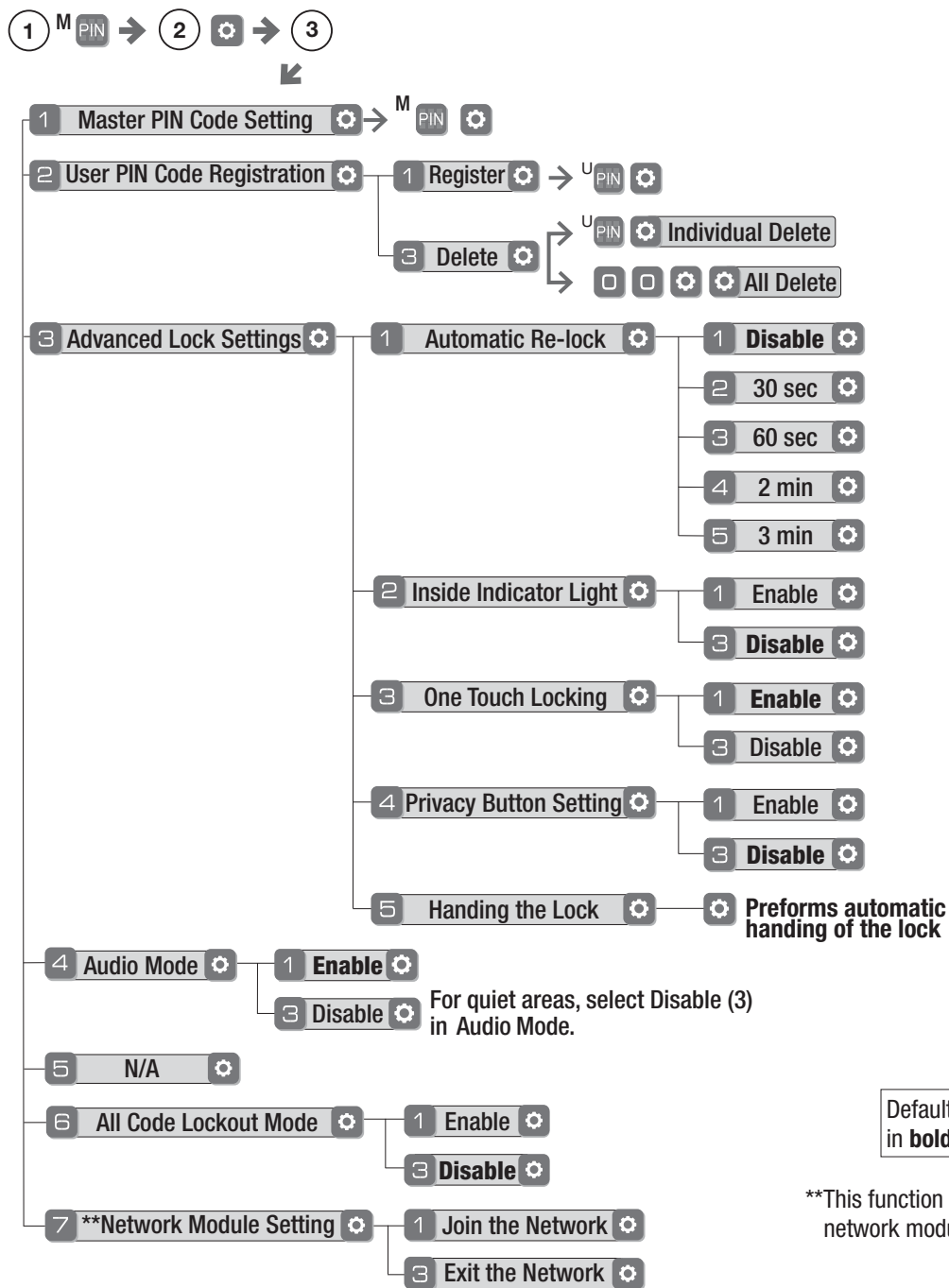


# Feature Programming Through Menu Mode







## Using Master PIN code\*

1. 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.

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



# Programming Troubleshooting

Lock does not respond – door is open and accessible.	<ul style="list-style-type: none"> <li>• Press each keypad button for response when pressed.</li> <li>• Check batteries are installed and oriented correctly (polarity) in the battery case.</li> <li>• Check batteries are in good condition; replace batteries* if discharged.</li> <li>• Check to see if cable is fully connected and not pinched.</li> </ul>
Lock does not respond – door is locked and inaccessible.	<ul style="list-style-type: none"> <li>• Batteries may be completely discharged.</li> <li>• Use key to gain entry and replace batteries*.</li> </ul>
Unit chimes to indicate code acceptance, but the door will not open.	<ul style="list-style-type: none"> <li>• Check to see if there is another locking device on the door.</li> <li>• Check the door gaps for any foreign objects between door and frame.</li> <li>• Check that the cable is firmly connected to the PC board.</li> </ul>
Unit operates to allow access, but will not automatically re-lock.	<ul style="list-style-type: none"> <li>• Check to see if Auto Re-lock Mode is enabled.</li> <li>• If low battery indicator is lit (see below), change batteries*.</li> </ul>
PIN codes will not register.	<ul style="list-style-type: none"> <li>• PIN codes must consist of 4 to 8 digits to register.</li> <li>• The same PIN code cannot be used for multiple users.</li> <li>• Registration/management of PIN codes is set by the authority of the Master Code.</li> <li>• Contact the Master user.</li> <li>• User codes must be entered within 5 seconds or the process will have to be restarted.</li> <li>• Check mark  or gear  cannot be used as part of the PIN code.</li> </ul>
Upon entering a PIN code and pressing the  key, the lock gives a series of beeps, flashes red & blue LEDs 7 times, and does not unlock.	<ul style="list-style-type: none"> <li>• All Code Lockout Mode is enabled.</li> <li>• Only the Master can enable/disable All Code Lockout Mode.</li> <li>• Contact the Master user.</li> </ul>
Upon entering a PIN code and pressing the  key, there are different tones.	<ul style="list-style-type: none"> <li>• Check to see if the lock is set to All Code Lockout Mode.</li> <li>• Setting/managing All Code Lockout Mode is done through Master Code only. Contact the Master user.</li> </ul>
The unit operates, but it makes no sound.	<ul style="list-style-type: none"> <li>• Enable Audio Mode.</li> </ul>
The unit displays intermittent RED flashes.	<ul style="list-style-type: none"> <li>• 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.</li> </ul>
Upon entering a PIN code and pressing the  key, the unit responds with a series of beeps and the keypad flashes three times.	<ul style="list-style-type: none"> <li>• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the check mark  key.</li> </ul>

\* 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).

# Hardware Troubleshooting

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

Door is binding

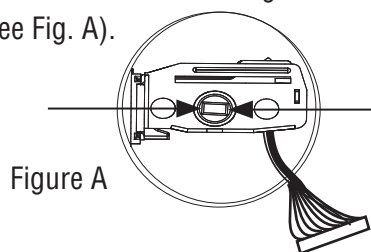
- Check that door and frame are properly aligned and door is free swinging.
- Check hinges: They should not be loose or have excessive wear on knuckles.

Bolt will not deadlock

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

- Bolt and strike are misaligned, see above.
- Check the backset of door relative to adjustments already made to bolt.
- Verify proper door preparation and re-bore holes that are too small or misaligned.
- Verify keypad wire harness is routed under the bolt (see Fig. A).
- Verify bolt is installed with correct side up (Fig. 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.

## Changing Lock: Replacing Cylinder

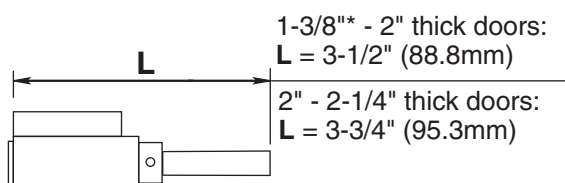
1. To Remove cylinder:

- Remove outside escutcheon from door.
- Remove rubber gasket.
- Remove two screws holding plastic guide in place.
- Remove plastic guide.
- Remove screw with washer holding cylinder in place (visible after removing plastic guide).
- Remove cylinder housing by pulling cylinder tailpiece away from escutcheon.

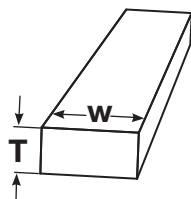
**Before installing cylinder, be sure tailpiece is correct length (see below).**

2. To install new cylinder:

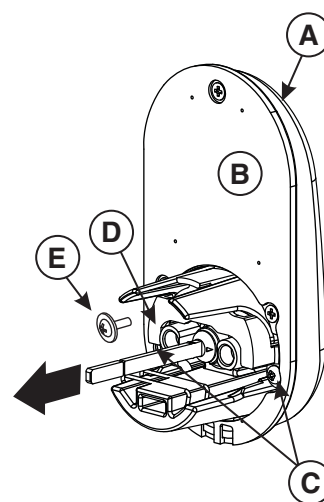
- Reverse previous steps for removing cylinder.



*\*Requires addition of Thin Door Kit.*



Tailpiece  
 $T = .098"$  (2.5mm)  
 $W = .2"$  (5.2mm)



**FCC:*****Class B Equipment***

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

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

**Industry Canada:**

This Class A digital apparatus meets all requirements of the Canadian Interference Causing Equipment Regulations.

Cet appareillage numérique de la classe A répond à toutes les exigences de l'interférence canadienne causant des règlements d'équipement.

## **Yale Locks & Hardware**

Product Support Tel 1-855-213-5841 • [www.yalehome.com](http://www.yalehome.com)

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**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.



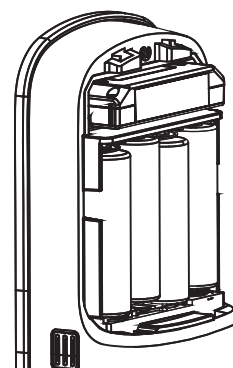
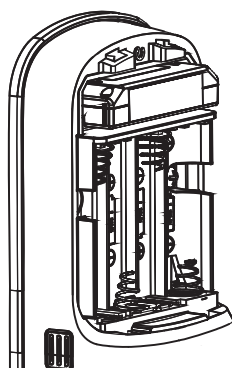
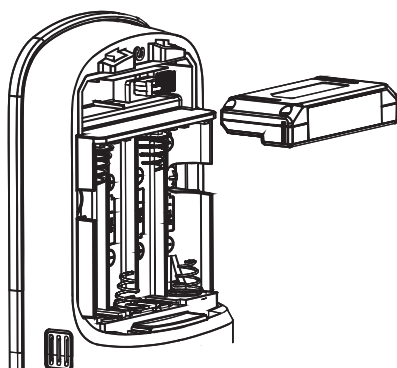
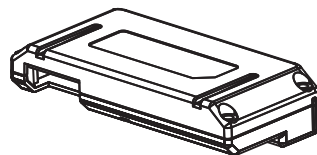
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## Yale® Z-Wave® Plus Module Installation and Programming Instructions

### Installing the Z-Wave® Plus Module

**IMPORTANT:** the batteries must be removed prior to removing and/or inserting the network module:






- Remove battery cover and batteries.
- Remove and/or insert Network Module.
- Reinstall batteries and battery cover.








### Enrolling/Unenrolling the Network Module:

This device is a security enabled Z-Wave Plus product that is able to use encrypted Z-Wave Plus messages to communicate to other security enabled Z-Wave Plus products. This device must be used in conjunction with a Security Enabled Z-Wave Controller in order to fully utilize all implemented functions. This product can be operated in any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

To Enroll/Add the Module (Inclusion Mode):

- Enter the 4-8 digit Master PIN code followed by the  key.
- Press the  key followed by the  key.
- Press the  key followed by the  key.

To Unenroll/Remove the Module (Exclusion Mode):

- Enter the 4-8 digit Master PIN code followed by the  key.
- Press the  key followed by the  key.
- Press the  key followed by the  key.

Factory Reset - If No Controller:

- See the Lock Installation Manual
- Please use this procedure only when the network primary controller is missing or otherwise inoperable.

For System Integrators: Specific Z-Wave Plus association and parameter information for your lock is available at [YaleHome.com/ZwavePlus](http://YaleHome.com/ZwavePlus).



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

#### **FCC:**

Contain FCC ID: U4A-YRHCPZW0FM

Model: YRMZW2-US

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

THIS DEVICE COMPLIES WITH PART 15 OF THE FCC RULES. OPERATION IS SUBJECT TO THE FOLLOWING TWO CONDITIONS.

(1) THIS DEVICE MAY NOT CAUSE HARMFUL INTERFERENCE, AND (2) THIS DEVICE MUST ACCEPT ANY INTERFERENCE RECEIVED, INCLUDING INTERFERENCE THAT MAY CAUSE UNDESIRED OPERATION.

Industry Canada:

Contain IC: 6982A-YRHCPZW0FM

Model: YRMZW2-US

**Section 7.1.2 of RSS-GEN** Under Industry Canada regulations, this radio transmitter may only operate using an antenna of a type and maximum (or lesser) gain approved for the transmitter by Industry Canada. To reduce potential radio interference to other users, the antenna type

and its gain should be so chosen that the equivalent isotropically radiated power (e.i.r.p.) is not more than that necessary for successful communication.

En vertu des règlements d'Industrie Canada, cet émetteur radio ne peut fonctionner avec une antenne d'un type et un maximum (ou moins) approuvés pour gagner de l'émetteur par Industrie Canada. Pour réduire le risque d'interférence aux autres utilisateurs, le type d'antenne et son gain doivent être choisies de façon que la puissance isotrope rayonnée équivalente (PIRE) ne dépasse pas ce qui est nécessaire pour une communication réussie.

**Section 7.1.3 of RSS-GEN** This Device complies with Industry Canada License-exempt RSS standard(s).

Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada RSS standard exemptes de licence(s). Son fonctionnement est soumis aux deux conditions suivantes: 1) ce dispositif ne peut causer des interférences, et 2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement du dispositif.

This radio transmitter 6982A-YRHCPZW0FM has been approved by Industry Canada to operate with the antenna types listed below with the maximum permissible gain indicated. Antenna types not included in this list, having a gain greater than the maximum gain indicated for that type, are strictly prohibited for use with this device.

Le présent émetteur radio 6982A-YRHCPZW0FM a été approuvé par Industrie Canada pour fonctionner avec les types d'antenne énumérés ci-dessous et ayant un gain admissible maximal. Les types d'antenne non inclus dans cette liste, et dont le gain est supérieur au gain maximal indiqué, sont strictement interdits pour l'exploitation de l'émetteur.

CAN ICES-3B/NMB-3B

## **Yale Locks & Hardware**

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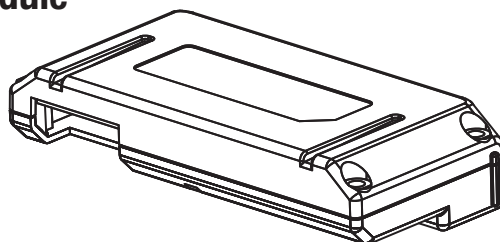
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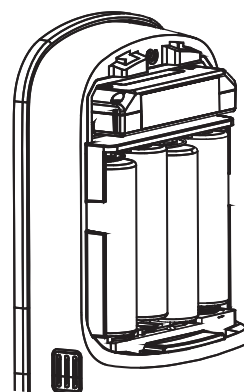
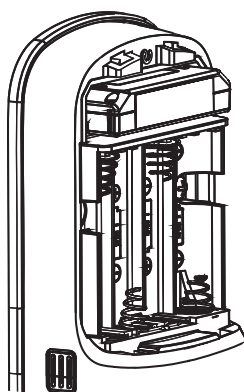
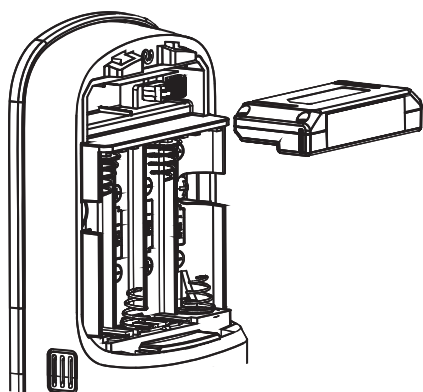


## Installing the ZigBee® Module



**IMPORTANT:** the batteries must be removed prior to removing and/or inserting the network module:






- Remove battery cover.
- Remove batteries.
- Remove and/or insert network module.
- Reinstall batteries.
- Replace cover.








## Enrolling/Unenrolling the Network Module:

This device is a security enabled ZigBee product that is able to use encrypted ZigBee messages to communicate to other security enabled ZigBee products. This device must be used in conjunction with a Security Enabled ZigBee Controller in order to fully utilize all implemented functions. This product can be operated in any ZigBee network with other ZigBee certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase reliability of the network.

To Enroll the Module (Inclusion Mode):

- Enter the 4-8 digit Master PIN code followed by the  key.
- Press the  key followed by the  key.
- Press the  key followed by the  key.

To Unenroll the Module (Exclusion Mode):

- Enter the 4-8 digit Master PIN code followed by the  key.
- Press the  key followed by the  key.
- Press the  key followed by the  key.

**FCC:**

FCC ID: U4A-YRHCPZB0FM

Model: YRMZB2

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation. Any changes or modifications not expressly approved by manufacturer could void the user's authority to operate the equipment.

**IMPORTANT!** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

Industry Canada:

IC: 6982A-YRHCPZB0FM

Model: YRMZB2

This Device complies with Industry Canada License-exempt RSS standard(s). Operation is subject to the following two conditions: 1) this device may not cause interference, and 2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

**Important Note:****Radiation Exposure Statement:**

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator and your body.

**Note Importante: (Pour l'utilisation de dispositifs mobiles)****Declaration d'exposition aux radiations:**

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

**IMPORTANT!** Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

**IMPORTANT!** Tous les changements ou modifications pas expressément approuvés par la partie responsable de la conformité ont pu vider l'autorité de l'utilisateur pour actionner cet équipement.

CAN ICES-3B/NMB-3B

## Yale Locks & Hardware

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