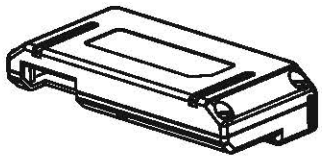
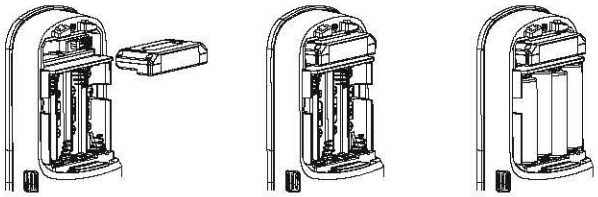
Yale® Z-Wave Plus™ Smart Module Installation Guide



Adding a Yale Z-Wave Plus™ Smart Module to your Assure Lock & Z-Wave™ System

Please use this procedure only when the network primary controller is missing or otherwise inoperable

1. Install the Yale Smart Module into the slot above the battery compartment
   IMPORTANT: The batteries must be removed before removing the Yale Smart Module:
   - Remove battery cover
   - Remove batteries
   - Insert or remove Yale Smart Module
   - Reinstall batteries
   - Reinstall battery cover



2. Open the Z-Wave system's smart home or alarm app on your smartphone or tablet

3. Follow the in-app instructions for adding a new device

4. On your lock keypad, enter your master entry code followed by the ⚙ icon

5. Press the 7 key followed by the ⚙ icon

6. Press the 1 key followed by the ⚙ icon

Removing a Yale Z-Wave Plus Smart Module from your Assure Lock & Z-Wave System

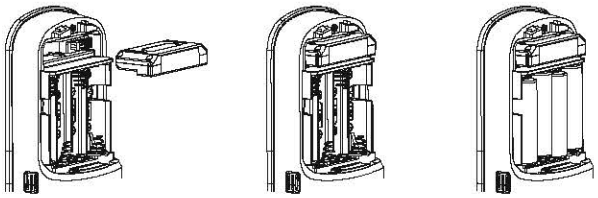
1. On your lock keypad, enter your master entry code followed by the ⚙ icon

2. Press the 7 key followed by the ⚙ icon

3. Press the 3 key followed by the ⚙ icon

4. Open the Z-Wave system's smart home or alarm app and follow the instructions for removing a device

5. Remove the Yale Smart Module from the slot above the battery compartment
   IMPORTANT: The batteries must be removed before removing the Yale Smart Module:
   - Remove battery cover
   - Remove batteries
   - Insert or remove Yale Smart Module
   - Reinstall batteries
   - Reinstall battery cover



6. If you're adding a new Yale Smart Module, follow the instructions included with it

WARNING: Changes or modifications to this device, not expressly approved by Yale Home could void the user's authority to operate the equipment.

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.

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 Home

24/7 Tech Support : 1-855-492-0505 • www.US.YaleHome.com

Yale® Assure Lock® 2 Key Free Deadbolt Installation Guide
(Keypad YRD430 or Touchscreen YRD450)

DRAFT

This manual will walk you through all the required steps to install your new Yale Assure Lock 2 to your door.

- **Remove existing deadbolt and check door measurements with included template**
- **Download the Yale Access App**
- **Create an account**
- **From the app menu, tap "Set up a Device"**
- **Scan the QR code located in the battery compartment**
- **Follow the installation steps in your Yale Access App, or this manual**

Tools Needed

Standard Phillips Head Screwdriver

Tools Needed To Adjust An Existing Door or To Prep a New Door

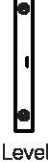
Drill

Utility Knife

Pencil

Wood Mortise Chisel

Tape Measure



Level

Failure to follow these instructions could result in damage to the product, voiding the factory warranty and could lead to failure of the product to provide access.

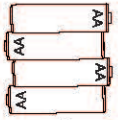
In The Box

Yale Smart Module
(with select models)

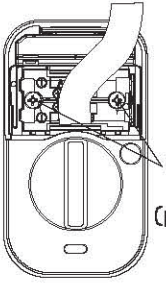
Exterior Keypad

Guide

Battery Cover

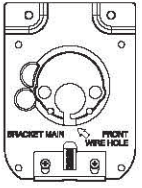


x4
Batteries



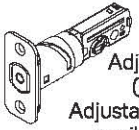
Interior Lock

x2
Screws and
Washers
(pre-installed)

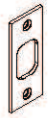


Mounting Plate

Hardware Components



Adjustable Deadbolt
(AYRDB-DRIVE
Adjustable Drive-In Deadbolt
available for purchase)



Strike Plate

Reset Pin

x4
Strike Plate
and
Deadbolt Screws

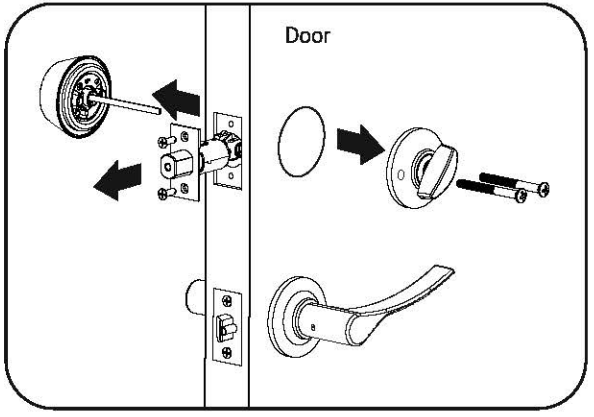
x2
Screw Set B
Blue for
1-3/8"
Door Thickness

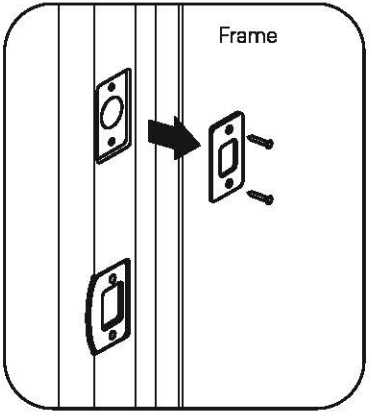
x2
Screw Set C
Black for
Standard 1-3/4"
Door Thickness

x2
Screw Set D
Silver for
2 to 2-1/4"
Door Thickness

1 Remove Existing Deadbolt

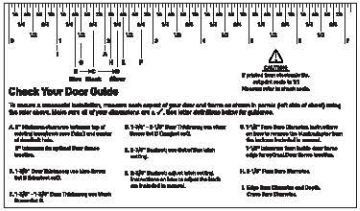
Keep your old deadbolt hardware until your new lock has been successfully installed.





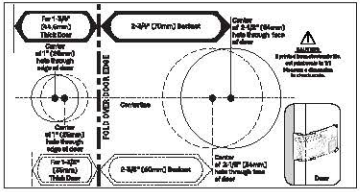
2 Check Door Measurements and Adjust If Needed

Check Door:
Tear off the Door Checker page of this guide and follow checker instructions to verify your door measurements and make any needed adjustments.



⚠ There are some cases where existing holes cannot be adjusted to be compatible.

New Door:
Tear off the Template page of this guide and use either 2-1/8" or 1-1/2" template to prepare a new door that has no holes or to adjust existing holes to be compatible.

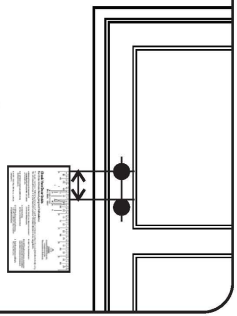


Check Your Door Using Ruler on Other Side

Measure Clearance

✔ Greater than A

✘ Less than A (Your door is not a match for a Yale smart lock)

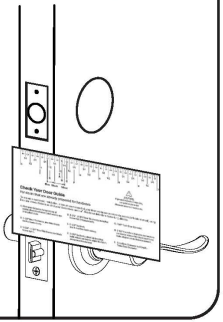


Measure Door Thickness

✔ B, C or D

✘ Less than B (Your door is not a match for a Yale smart lock)

✘ Greater than D (Your door is not a match for a Yale smart lock)

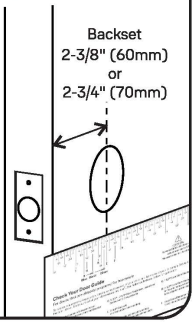


Measure Backset

✔ Equals E or F

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

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

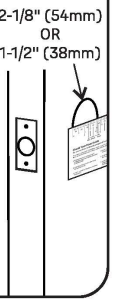


Measure Face Bore

✔ Equals G or H

✘ Less than G (Adjust diameter to G or H)

✘ Greater than H (Your door is not a match for a Yale smart lock)

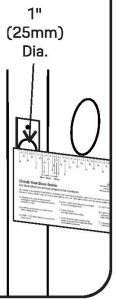


Measure Cross Bore

✔ Equals I

✘ Less than I (Adjust diameter to 1")

✘ Greater than I (Your door is not a match for a Yale smart lock)

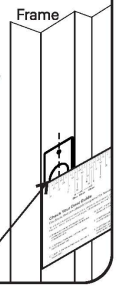


Measure Strike Pocket Diameter and Depth

✔ Equals I

✘ Less than I (Adjust diameter and depth to 1")

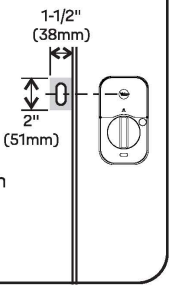
✘ Greater than I (Your door is not a match for a Yale smart lock)

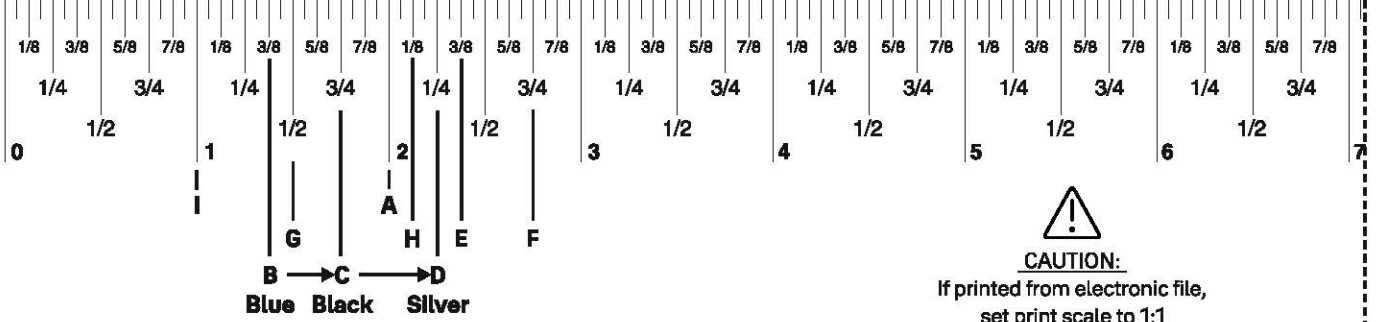


Recommended Location of Door Sense

✔ A: Within 2" of Yale logo on battery cover.

✔ G: Within 1-1/2" from inside frame edge.





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

Check Your Door Guide

To ensure a successful installation, measure each aspect of your door and frame as shown in panels (left side of sheet) using the ruler above. Make sure all of your dimensions are a ✓. See letter definitions below for guidance.

A. 2" Minimum clearance between top of existing lever/knob rose (trim) and center of deadbolt hole.

2" tolerance for optimal Door Sense location.

B. 1-3/8" Door Thickness; use blue Screw Set B (shortest set).

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

D. 1-3/4" - 2-1/4" Door Thickness; use silver Screw Set D (longest set).

E. 2-3/8" Backset; use Out of Box latch setting.

F. 2-3/4" Backset; adjust latch setting. Instructions on how to adjust the latch are included in manual.

G. 1-1/2" Face Bore Diameter. Instructions on how to remove the black adapter from the lock are included in manual.

1-1/2" tolerance from inside door frame edge for optimal Door Sense location.

H. 2-1/8" Face Bore Diameter.

I. Edge Bore Diameter and Depth.
Cross Bore Diameter.

Template to Mark a Door for 2-1/8" Face Bore

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

2-3/4" (70mm) Backset

Center of 2-1/8" (54mm) hole through face of door

Center of 1" (25mm) hole through edge of door

FOLD OVER DOOR EDGE

Centerline

Center of 1" (25mm) hole through edge of door

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

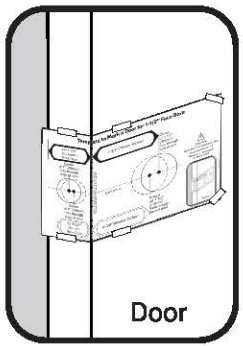
2-3/8" (60mm) Backset

Center of 2-1/8" (54mm) hole through face of door

CAUTION:

If printed from electronic file, set print scale to 1:1

Measure a dimension to check scale.



Template to Mark a Door for 1-1/2" Face Bore

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

2-3/4" (70mm) Backset

Center of 1-1/2" (38mm) hole through face of door

Center of 1" (25mm) hole through edge of door

FOLD OVER DOOR EDGE

Centerline

Center of 1" (25mm) hole through edge of door

Center of 1-1/2" (38mm) hole through face of door

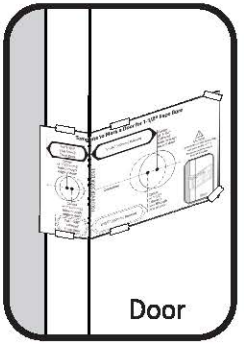
For 1-3/8" (35mm) Thick Door

2-3/8" (60mm) Backset

CAUTION:

If printed from electronic file, set print scale to 1:1

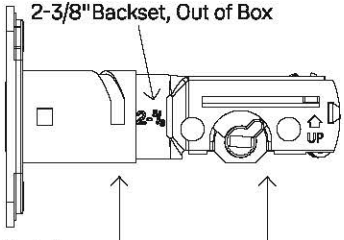
Measure a dimension to check scale.



3 Install Deadbolt and Strike Plate

x2

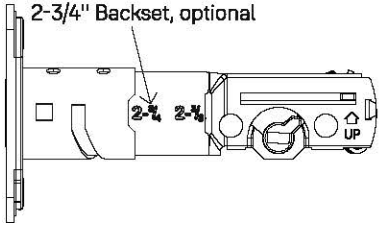
For Deadbolt
Actual Size



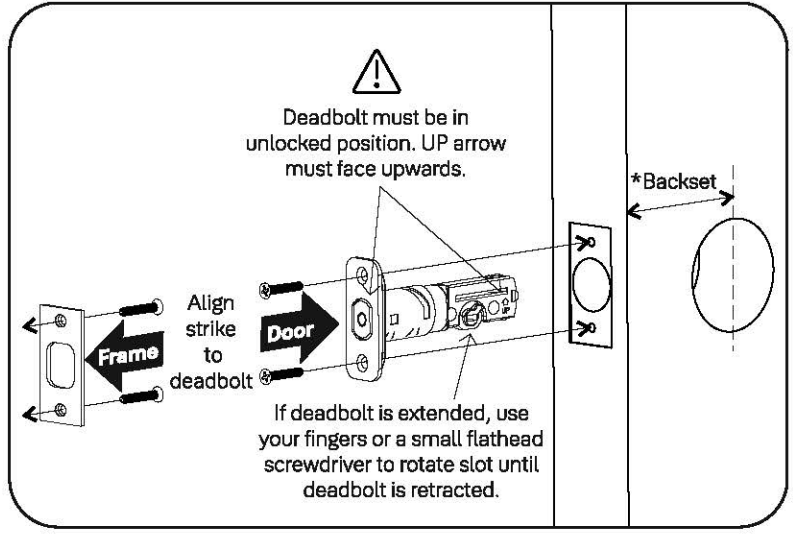
To Adjust:
Twist neck while holding body stable

x2

For Strike Plate
Actual Size

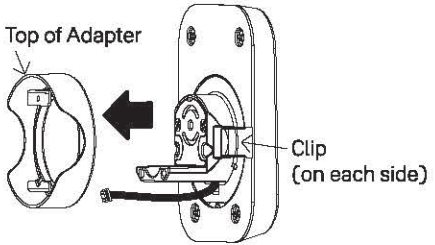


*Correct deadbolt length is based on backset. Choose 2-3/8" or 2-3/4".
Door Checker measurements E and F can help you verify your backset measurement.

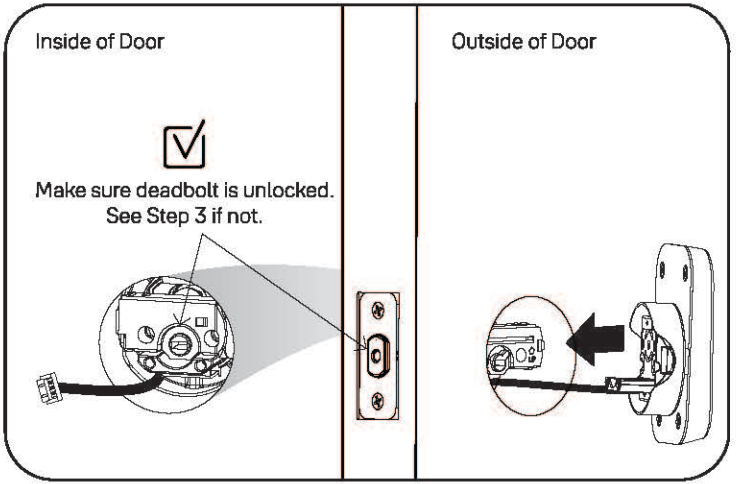


Install Exterior Keypad

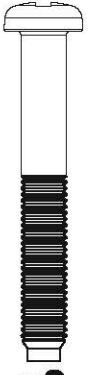
Measurement G on the Door Checker will help you verify your face bore measurement. If hole is less than 2-1/8", remove adapter by squeezing black plastic clips on either side and pulling adapter off of keypad.



You should install the lock with the door open.
Do not close door until all steps are completed successfully.



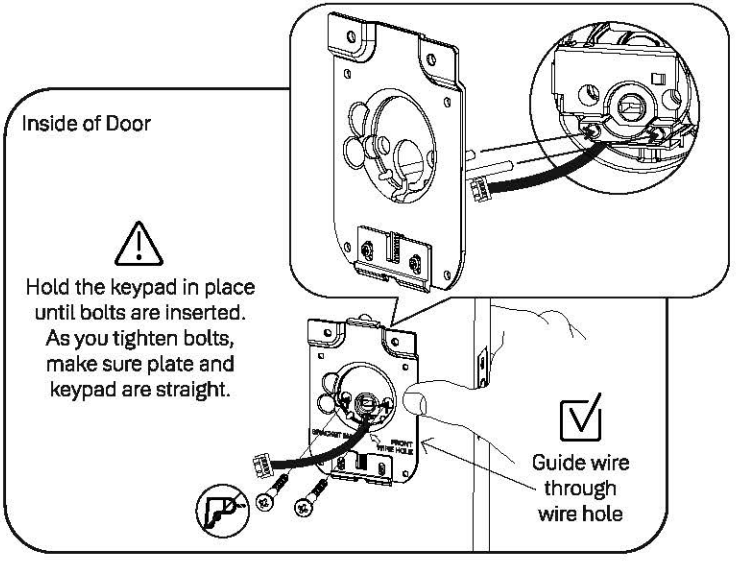
5 Install Mounting Plate



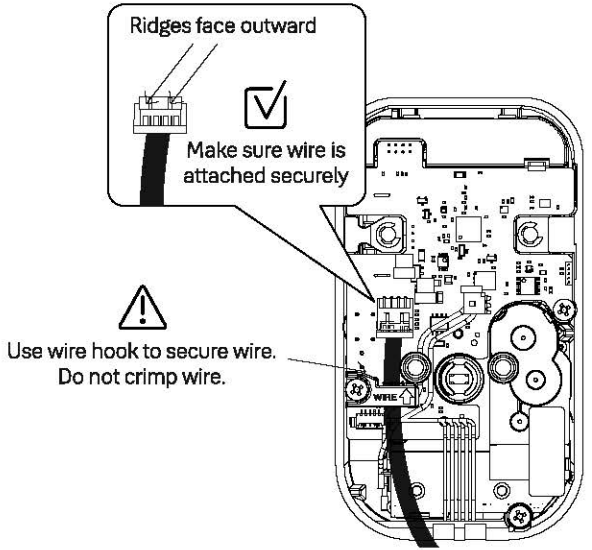
x2

Actual Size
Bolt Set C, Black
for a **Standard**
1-3/4" Door
Thickness

IMPORTANT: There are 3 bolt sets with your lock. Choose the bolt length for your door thickness. Measurement B, C or D on the Door Checker will help you identify which bolts to use.



6 Attach Wire to Inside of Interior Lock

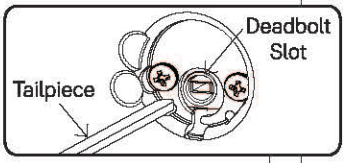


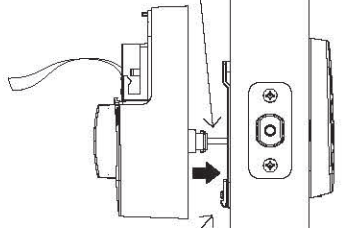
Install Interior Lock

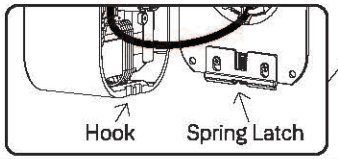
Thumbturn must be vertical so that tailpiece can slide into the slot of the unlocked deadbolt.

Insert tailpiece into slot.

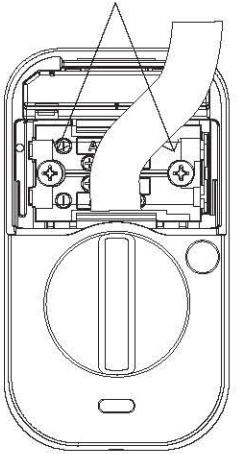
Push lock to door then adjust position until the mounting plate spring latch clicks into place and holds the bottom of the lock.



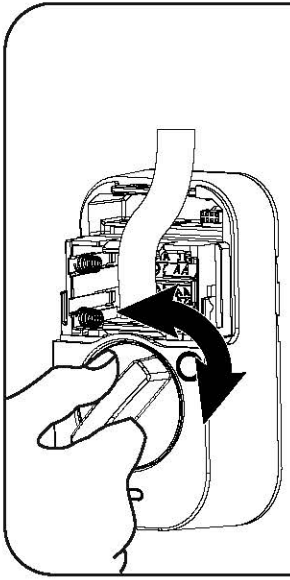


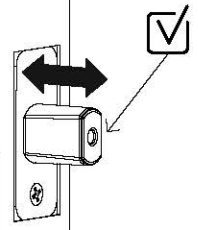


Screws are pre-installed. Tighten when lock is seated on mounting plate. When fully tightened, lock should be flush to door.



Test Thumbturn





If deadbolt does not lock and unlock when you turn the thumbturn:

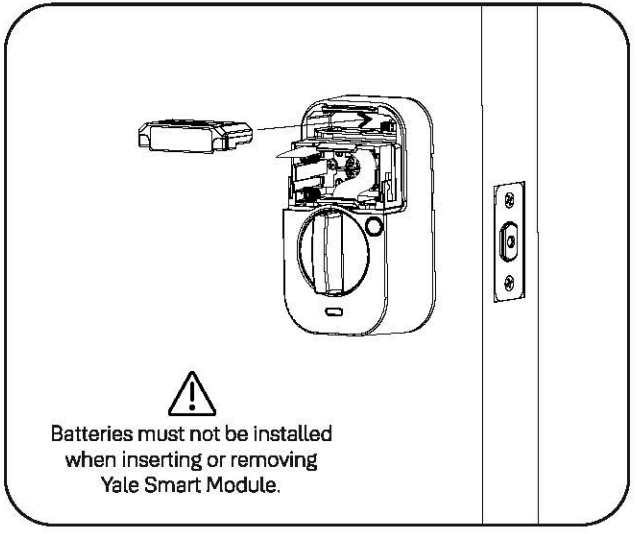
Check that deadbolt is centered in face bore hole. Step 3

Check that tailpiece is inserted into deadbolt slot. Step 7

Smooth deadbolt operation will enhance your battery life.

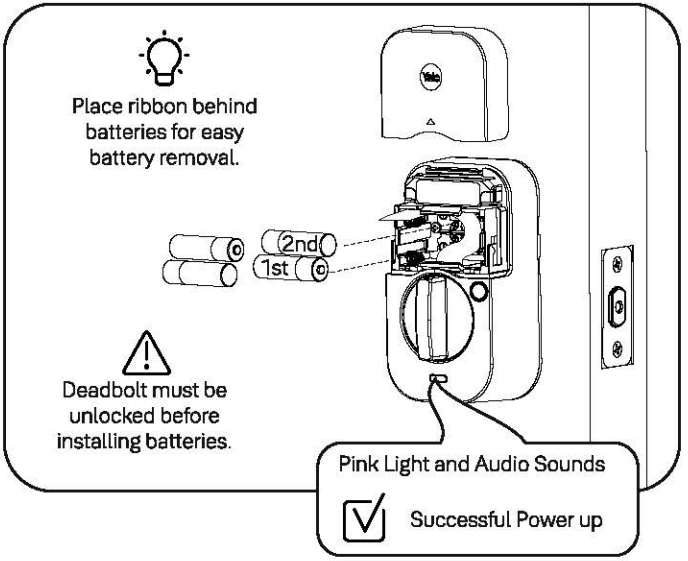
0 optional Install Yale Smart Module

Included with select models



For more information about Yale Smart Modules and smart home features visit: US.YaleHome.com/Smart

8 Install Batteries and Replace Cover

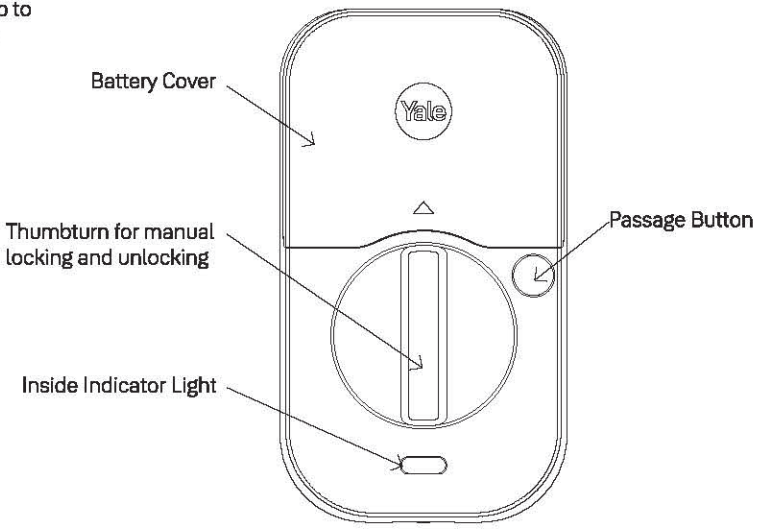


Congratulations, you've installed the Yale Assure Lock® 2 Key Free Deadbolt!

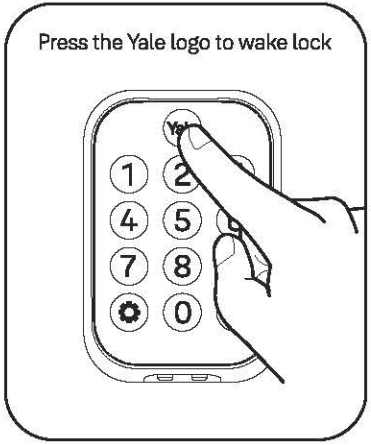
Using Your Lock

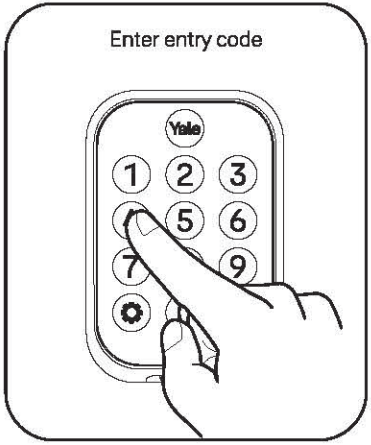
Exterior Keypad

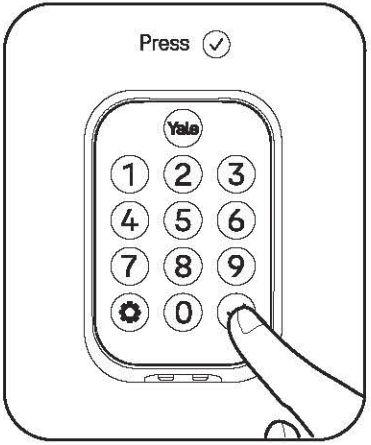
Interior Lock



Unlocking Door







Setting Definitions

Setting	Default	Definition
Codes		
Programming Code	Automatically created by the Yale Access App	This code is used to access programming features: Handing, Smart Module integration, and Diagnostics. This code cannot be used to unlock the door. To enter programming mode, find your programming code in the Yale Access App, enter in the keypad and press the gear symbol.
Entry Codes		Entry codes can be created for users to allow them to lock/unlock the door from the lock keypad.
Security Settings		
Hide Entry Codes	Off	If turned on, all entry codes within the app will be hidden from view.
Verified Access	Off	If turned on, biometric/passcode authentication is required from the app to operate the lock.
Notifications		
Smart Alerts	Off	Create alerts you wish to receive from the app.
Automation		
Auto-Lock	Off	Door will automatically lock. When paired with DoorSense, the door will not lock until the door is completely closed or choose to auto-lock based on a timer, between 10 seconds and 30 minutes.
Auto-Unlock	Off	Door will automatically lock unlock when you arrive home.
DoorSense	Must be installed	Allows you to know when your door is opened and closed.

Setting Definitions

Setting	Default	Definition
Advanced Device Settings		
Volume	On	This feature can be changed in the Yale Access App. You can turn the lock volume on or off.
Operating Mode: Normal	On	When the lock is in normal operating mode all entry codes will work and the lock can be unlocked/locked from the app and voice assistants.
Operating Mode: Vacation	Off	This feature can be enabled in the Yale Access App. When enabled all entry code access will be restricted. Users can still lock and unlock the door with the app.
Inside Indicator Light	Off	This feature can be enabled in the Yale access App. When turned on, it will show the active status (locked) of the lock. This light will also inform you when the batteries are low, passage mode is enabled, and successful pairing.
Keypad Security: Shutdown Timing	60 seconds	The lock will shutdown (flashing RED) for sixty (60) seconds and not allow operation after the wrong code entry limit (5 attempts) has been made. This timing can be changed between 10 seconds to 3 minutes in the app.
Keypad Security: Wrong Code Limit	5 times	After five (5) unsuccessful attempts at entering a valid entry code, the lock will shut down and not allow operation for sixty (60) seconds. This timing can be changed from the app from 3 to 10.
One Touch Locking	On	Lock the keypad with the touch of a button.
Passage Button	Off	The passage button can be used to temporarily turn off auto-lock, so you can easily come and go without needing to unlock your door each time. To turn on passage mode, press the passage button on the inside of the lock. To turn off passage button, simply lock your door.

Troubleshooting

Symptom	Suggested Action
Lock does not respond - door is open and accessible.	• Keypad becomes active when the Yale logo is pressed. • Verify contact with the logo. • If keypad numbers are visible, check they respond when pressed. • Check batteries are installed and oriented correctly (polarity) in battery case. Replace batteries* if batteries are dead. • Check keypad cable is fully connected and not pinched.
Lock does not respond - door is locked and inaccessible.	• Batteries may not have enough power. Replace batteries*. • Apply a 9V battery to terminals below the keypad for backup power option.
Lock is on for a while then shows no reaction. Lights dim.	• Batteries do not have enough power. Replace batteries*.
Lock chimes indicating code acceptance, but door will not open.	• Check for any foreign objects between door and frame. • Check that the cable is firmly connected to inside lock.
Lock operates to allow access, but will not automatically unlock.	• Check to see if Auto-Lock is enabled. • Disable Auto-Lock to lock the door (manually).
Lock responds "Low Battery".	• This is the alert to replace the batteries. Replace all four (4) batteries* with new AA Alkaline batteries.

*When batteries are replaced, Smart Module locks have a real time clock that will be set through the User Interface. It is recommended to verify correct date and time; particularly those locks operating under Daylight Savings Time.

Troubleshooting

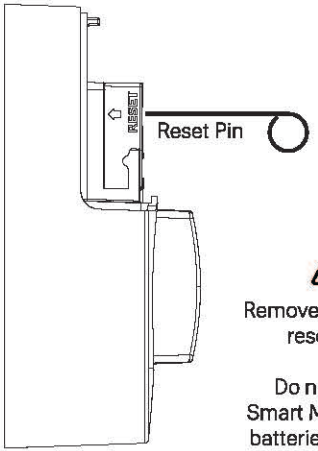
Symptom	Suggested Action
Entry code will not register.	• If low battery indicator is lit, change batteries*. • Entry code must consist of 4 to 8 digits. • The same entry code cannot be used for multiple users. • Entry code must be entered within 5 seconds (while keypad is active) or process will have to be restarted.
Upon entering an entry code and pressing the check key, the lock displays "invalid code" error or lock times out without responding.	• Verify entered code is a valid, previously programmed, 4 to 8 digit code. • Vacation mode is on. Only an admin user can change vacation mode. Contact the admin.
Upon entering an entry code and pressing the check key, lock responds "Wrong number of digits".	• The digits entered were incorrect or incomplete. Re-enter the correct code followed by the check key.
Deadbolt does not extend when locking the door with keypad.	• Lock was not handed properly. Rehand lock through Settings Menu.
Lock operates, but makes no sound.	• Check in the Yale Access App to see if Volume is set to off.

*When batteries are replaced, Smart Module locks have a real time clock that will be set through the User Interface. It is recommended to verify correct date and time; particularly those locks operating under Daylight Savings Time.

Hardware Troubleshooting

Symptom	Solution
Deadbolt grinds and will not extend to lock when using an entry code but thumbturn locks and unlocks smoothly.	Attempt re-handing using the Settings Menu. You must use Programming Code to access the Settings Menu.
Deadbolt is hitting the strike plate.	Reposition the strike plate to align with deadbolt.
Deadbolt is not fully extending.	Increase depth of the deadbolt strike pocket in frame.
Resistance when locking deadbolt that requires pushing or pulling on the door to align deadbolt and latch.	Adjust your existing knob, lever or handleset strike plate. Latch engagement into the strike is the main component used for door alignment.  To adjust Knob/Lever/Handleset strike plate: 1. Remove plate from door frame with a hand screwdriver. (Using an electric driver may strip screw heads or enlarge screw holes.) 2. Locate tab on strike plate. Bend the tab towards surface of strike. Note: A small change may be all that is required. 3. Reinstall strike plate using a screwdriver and test again. 4. If door cannot be adjusted sufficiently with strike tab, both knob/lever/handleset latch and deadbolt could require adjustment – we suggest you contact a local locksmith for assistance. For help with misalignments, watch our door alignment video: US.YaleHome.com/Support

Resetting Lock to Factory Defaults



Interior Lock

Remove 1 battery to reset lock.

Do not install Smart Module with batteries installed.

When lock is reset to factory defaults, all entry codes (including the programming code*) are deleted and all programming features are reset to original default settings.

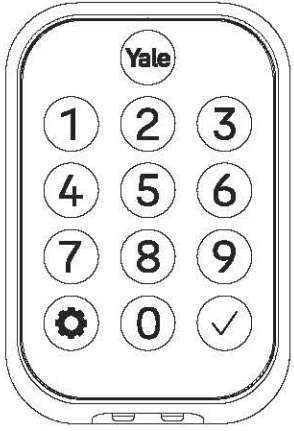
To Reset Lock:

1. Remove battery cover and one battery.
2. Remove Yale Smart Module if installed.
3. Press reset button with reset tool provided in the hardware box.
4. While pressing reset button a minimum of 3 seconds, reinstall Yale Smart Module then the battery.
5. Replace cover.

*After reset, lock must be set up with Yale Access App

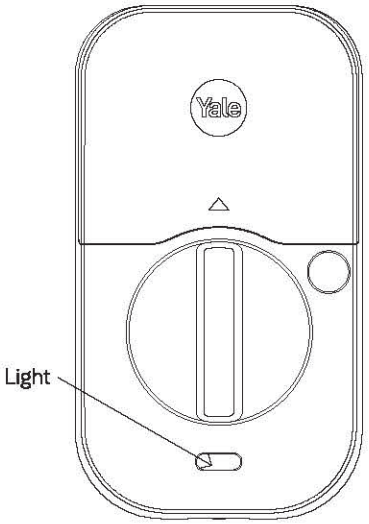
Please use this procedure only when the network primary controller is missing or otherwise inoperable.

Keypad Alerts



Keypad	Meaning
Gear flashes Amber	Low Battery Level 1
Gear flashes Amber	Low Battery Level 2
Gear flashes Red then stays red until batteries are replaced	Low Battery Level 3
Checkmark flashes	Pairing Success
X then gear flashes Red	Jammed Lock
Gear flashes White	Pairing/successful pairing
Gear flashes Red during pairing	Failed Pair

Interior Lock Light Alerts



Inside Lock Light	Meaning
Blue flashing	Low Battery Level 1
Blue flashing	Low Battery Level 2
Blue flashing	Low Battery Level 3
Orange flashing	Alarm System armed Home
Green flashing	Alarm System disarmed Home
Red flashing	Alarm System armed Away
Green flashing	Alarm System disarmed Away
Pink flashing	Passage Mode enabled
Red flash, flash, 3 second pause, repeat	Locked state
Green flash, flash 3 second pause, repeat	Unlocked state
Green 3 second solid	Pairing Success
Red 3 second solid	Pairing Fail

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FCC:
FCC ID :
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 Home** could void the user's authority to operate the equipment.

Industry Canada:
IC ID :
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.

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

Yale Home

24/7 Support: 1-855-213-5841 • US.YaleHome.com

Assure Lock®2 Quick Start Guide

1

Plug in
Z-Wave module

2

With the
batteries installed,
press and hold
the button
on the interior
until the 1 and ☼
are illuminated
on the keypad

3

Create your
programming code.
While the 1 and ☼
are illuminated

Press the 1
followed
by ☼

Enter a 4 - 8 digit
programming code

Press ☼

4

Enter your 4-8 digit
programming code on
the keypad

Press the ☼

Press the 7

Press the ☼

Press the 1

Press the ☼ twice

5

Lock is now
in Z-Wave inclusion.

Note: The lock will
remain in inclusion
mode for 30 seconds

Part of ASSA ABLOY

ASSA ABLOY

The global leader in door opening solutions

Yale Locks

Z-Wave Plus System Integrators Guide

Yale Assure Deadbolt Lock

YRD216-ZW2, YRD226-ZW2, YRD256-ZW2, YRC216-ZW2, YRC226-ZW2, YRC256-ZW2,
YRD136-ZW2, YRD137-ZW2, YRD156-ZW2, YRD157-ZW2
NF-YRD612-ZW2, YRD652-ZW2, NF-YRD622-ZW2, YRD622-ZW2, YRD642-ZW2,
NF-YRC612-ZW2, YRC652-ZW2, NF-YRC622-ZW2, YRC622-ZW2, YRC642-ZW2,
YRD410-ZW2, YRD420-ZW2, YRD430-ZW2, YRD450-ZW2,

Contents

Yale Z-Wave Plus Product Info

Manufacturer ID: Assa Abloy (0x0129)

Z-Wave Device Type: Door Lock Keypad

Z-Wave Role Type: Listening Sleeping Slave (LSS)

Product ID:

- 0x0600 for older version of Yale Residential Deadbolt Lock
- 0x06D1 for YRD216-ZW2 (Keyed Push Button Deadbolt)
- 0x06D2 for YRD226-ZW2 (Keyed Touch Screen Deadbolt)
- 0x06D5 for YRD256-ZW2 (Keyless Touch Screen Deadbolt)
- 0x06C1 for YRC216-ZW2 (Keyed Interconnected Push Button Deadbolt)
- 0x06C2 for YRC226-ZW2 (Keyed Interconnected Touch Screen Deadbolt)
- 0x06C5 for YRC256-ZW2 (Keyless Interconnected Touch Screen Deadbolt)
- 0x0DD5 for YRD652-ZW2 (2nd Generation Keyless Touch Screen Deadbolt)
- 0x0508 for YRD136-ZW2 and YRD156-ZW2 (Yale Residential PRO SL Deadbolt Lock)
- 0x0DD2 for NF-YRD622-ZW2 (2nd Generation Keyed Touch Screen Deadbolt)
- 0x0DD1 for NF-YRD612-ZW2 (2nd Generation Keyed Push Button Deadbolt)
- 0x0DC5 for YRC652-ZW2 (2nd Generation Keyless Interconnected Touch Screen Deadbolt)
- 0x0DC2 for NF-YRC622-ZW2 (2nd Generation Keyed Interconnected Touch Screen Deadbolt)
- 0x0DC1 for NF-YRC612-ZW2 (2nd Generation Keyed Interconnected Push Button Deadbolt)
- 0x12D2 for YRD622-ZW2 (2nd Generation Fire Rated Keyed Touch Screen Deadbolt)
- 0x12D4 for YRD642-ZW2 (2nd Generation Fire Rated Keyless Touch Screen Deadbolt)
- 0x12C2 for YRC622-ZW2 (2nd Generation Fire Rated Keyed Interconnected Touch Screen Deadbolt)
- 0x12C4 for YRC642-ZW2 (2nd Generation Fire Rated Keyless Interconnected Touch Screen Deadbolt)
- 0x3AD3 for YRD137-ZW2 (2nd Generation Yale Residential PRO SL Push Button Deadbolt Lock)
- 0x3AD5 for YRD157-ZW2 (2nd Generation Yale Residential PRO SL Touch Screen Deadbolt Lock)
- 0x05D1 for YRD410-ZW2 (2nd Generation Assure Keyed Push Button Deadbolt)
- 0x05D2 for YRD420-ZW2 (2nd Generation Assure Keyed Touch Screen Deadbolt)
- 0x05D3 for YRD430-ZW2 (2nd Generation Assure Keyless Push Button Deadbolt)
- 0x05D5 for YRD450-ZW2 (2nd Generation Assure Keyless Touch Screen Deadbolt)

Product Type ID:

- 0x8004 for YRC/D216-ZW2 (Push Button Deadbolt)
- 0x8002 for YRC/D226-ZW2 & YRC/D256-ZW2 (Touch Screen Deadbolt)
- 0x803B for YRD136-ZW2 (Push Button PRO SL Deadbolt)
- 0x803A for YRD156-ZW2 (Touch Screen PRO SL Deadbolt)
- 0x8109 for NF-YRC/D622-ZW2 & YRC/D652-ZW2(2nd Generation Touch Screen Deadbolt)
- 0x810A for NF-YRC/D612-ZW2 (2nd Generation Keyed Push Button Deadbolt)
- 0x8103 for YRC/D622-ZW2 & YRC/D642-ZW2 (2nd Generation Fire Rated Touch Screen Deadbolt)
- 0x810C for YRD137-ZW2 and YRD157-ZW2 (2nd Generation Yale Residential PRO SL Deadbolt Lock)
- 0x8104 for YRD410-ZW2, YRD420-ZW2, YRD430-ZW2 & YRD450-ZW2 (2nd Generation Assure Deadbolt)

Supported Command Classes

Command Class Z-Wave Plus Info
Command Class Manufacturer Specific
Command Class Security
Command Class Device Reset Locally
Command Class Power Level
Command Class Version
Command Class Battery*
Command Class Door Lock*
Command Class Door Lock Logging*
Command Class Schedule Entry Lock*
Command Class User Code*
Command Class Time Parameters*
Command Class Time*
Command Class Association*
Command Class Association Group Info*
Command Class Notification*
Command Class Configuration*
Command Class Firmware Update Md*

* Command Class Requires Security

Association Table

Group ID	Maximum Nodes	Description	Commands
1	1	Lifeline	Command_Class_Battery, Battery_Report ; Command_Class_Notification, Notification_Report; Command_Class_Configuration, Configuration_Report; Command_Class_Device_reset_locally, Device_Reset_locally_notification

Notifications Table

Alarm Reports	***Alarm type***	***Alarm Level***	***Description***
Master Code changed.	0x70	0x00	Master code was changed at keypad
		0xFB	Master code was changed over RF
User added		0x(01-max users)	User added. Alarm level = user slot number
User deleted	0x21	0x(01-max users)	User was deleted. Alarm level = user slot number
Tamper Alarm	0xA1	0x01	keypad attempts exceed code entry limit
		0x02	front escutcheon removed from main
RF Operate Unlock	0x19	0x01	by RF module
Manual Unlock	0x16	0x01	By key cylinder or inside thumb turn
Keypad Unlock	0x13	0x(01-max users)	Where Alarm level represents user slot number (0xFB = Master Code)
Manual Lock	0x15	0x01	by key cylinder or inside thumb-turn
		0x02	by touch function (lock and leave)
		0x03	By inside button
RF Operate Lock	0x18	0x01	by RF module
Keypad Lock	0x12	0x (01 - max users)	Where Alarm level represents user slot number
Non Access	0x26	0x(01-max users)	A Non Access Code was entered at the lock. Where alarm level represents user slot number
Deadbolt Jammed	0x09	0x01	Deadbolt jammed while locking
		0x02	Deadbolt jammed while unlocking
Low Battery Alarms**	0xA9	0x (Current %)	**Too Low to operate** Starting at 3.8V **(0x8002, 0x8004, 0x803B, & 0x803A)**; 4.2V **(0x8109, 0x8103, 0x810A, 0x810C, & 0x8104)**
	0xA8	0x (Current %)	***Critical Battery Level*** Starting at 3.9V **(0x8002, 0x8004, 0x803B, & 0x803A)**; 4.4V **(0x8109, 0x8103, 0x810A, 0x810C, & 0x8104)**
	0xA7	0x (Current %)	***Low Battery*** Starting at 4.0V **(0x8002, 0x8004, 0x803B, & 0x803A)**; 4.6V **(0x8109, 0x8103, 0x810A, 0x810C, & 0x8104)**
Auto Lock Operate Locked	0x1B	0x01	Auto re-lock cycle complete, locked.

Duplicate Pin-code error	0x71	0x (01-max users)	Where Alarm level represents user slot number Alarm generated in response to add user RF cmd. This alarm is not generated when attempting to add duplicate pin at the keypad. The lock simply denies it and plays the "Denied". Trying to duplicate the master code will result in a 0x71 0x00 alarm report.
RF Module Power Cycled	0x82	0x00	Power to RFM was restored, sent by RF module. The lock doesn't send any alarm to the RF module when power is cycled.
Disabled user entered at keypad	0x83	0x(01-max users)	A disabled user pin code was entered at the keypad
Valid user but outside of schedule	0x84	0x(01-max users)	A valid user can be both a normal user and a Non-Access user. If a non-access user is out of schedule this alarm will be sent instead of the non-access alarm.
Daily Repeating Schedule Set/Erased	0x60	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
Daily Repeating Schedule Enabled/Disabled	0x61	0x(01-max users)	Schedule(s) has been enabled/disabled for specified user ID
Year Day Schedule Set/Erased	0x62	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
Year Day Schedule Enabled/Disabled	0x63	0x(01-max users)	Schedule(s) has been enabled/disabled for specified user ID
All Schedule Types Erased	0x64	0x(01-max users)	Schedule(s) has been set/erased for specified user ID
All Schedule Types Enabled/Disabled	0x65	0x(01-max users)	Schedule(s) has been enable/disabled for specified user ID

** - The Yale Assure Deadbolt locks also supports a 3rd low battery alarm, too low to operate. This alarm is sent out as a Battery Report (with value = 0xFF) through the Battery Command Class. This is the last low battery alarm level before the product stops functioning.

Configurable Parameters

Configuration Parameters	***Parameter Number***	***Size***	***Description***
Silent mode on/off	1	1 byte	Level control, 1 = High Volume, 2 = Low Volume, 3 = Silent. **Default is 2 or Low Volume**
Auto Relock on/off	2	1 byte	**0x00 = OFF**, 0xFF = ON **default is 0x00 or OFF**
Auto Relock time	3	1 byte	10 to 180 seconds **default is 30 seconds**
Wrong Code Entry Limit	4	1 byte	3 to 10 **default is 5 times**
Language*	5	1 byte	1=English, 2=Spanish, 3=French **default is 1= English**
Shut down time (after wrong code entries)	7	1 byte	10 to 180 seconds **default is 60 seconds**
Operating mode	8	1 byte	**00 = normal mode (this is the default mode)** 01 = vacation mode, keypad lockout 02= privacy mode, no keypad. RF Unlock will work **(0x8002, 0x8004, 0x803B, 0x803A, 0x8103, 0x810A, & 0x810C)** **00 = normal mode (this is the default mode)** 01 = vacation mode, keypad lockout 02= privacy mode, no keypad. RF Unlock will work 03= passage mode, disable auto relock and stays unlock **(0x8109 & 0x8104)**
One Touch Locking	11	1 byte	0x00 = OFF, 0xFF = ON **default is 0xFF or ON.**
Privacy Button**	12	1 byte	0x00 = OFF, 0xFF = ON default is 0x00 or OFF
Lock Status LED	13	1 byte	0x00 = OFF, 0xFF = ON **default is 0x00 or OFF.**
Reset To Factory Defaults	15	1 byte	01 = Lock will execute Reset To Factory. **No default value**
Escape Return Mode***	16	1 byte	**0x00 = OFF**, 0xFF = ON **default is 0x00 or OFF** Enables the Escape Return mode of operation for the lock.
Eco Mode On/Off***	21	1 byte	**0x00 = OFF**, 0xFF = ON **default is 0x00 or OFF** If supported switches lock to lower power mode of operation with reduced sound and led brightness.

*Only supported by YRC/D226/256/622/642/652 & NF-YRC/D622

**Only supported by YRC/D216/226/256/622/642/652 & NF-YRC/D612/622

***Only supported by YRC/D622/642