



ASSA ABLOY

CONNECTED DIGITAL DEADBOLT

LW/CDD/ZB/SC

USER GUIDE



Connected Digital Deadbolt



ASSA ABLOY

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Warnings

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

CAUTION: Changes or modifications to this unit not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

IMPORTANT: The accuracy of the door preparation is critical for the proper functioning and security of this product. Misalignment can cause premature wear and a lessening of security. The Lockwood Digital Deadbolt should only be serviced by a qualified technician.

Finish Care: This lockset is designed to provide the highest standard of product quality and performance. Care should be taken to ensure a long-lasting finish. When cleaning is required use a soft, damp cloth. Using lacquer thinner, caustic soaps, abrasive cleaners or polishes could damage the coating and result in tarnishing.

This lock may not be used on moving doors, i.e., Cars, Trains or similar applications. The lock is designed for residential and commercial applications only and door sizes between 32-50mm. We highly recommend that a secondary entrance is required in the unlikely event of total failure. This lock may not be used on fire doors.

Introduction

The Connected Digital Deadbolt Lock combines a robust lockset with a contemporary electronic aesthetic. Users benefit from a touch keypad that makes day-to-day access effortless. Up to two hundred and fifty codes can be distributed amongst users to allow a keyless solution for accessing secure doors.

The Connected Digital Deadbolt is engineered for quick and easy installation, and fits in place of a standard 54mm bore hole and 25mm latch hole.

Components and tools

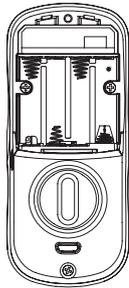
Included in the box...

- Installation & Programming Guide
- Outside Escutcheon
- 4 AA Alkaline Batteries
- Inside Escutcheon
- Inside Mounting Plate
- Battery Cover
- Bolt
- Strike Plate
- Screw Pack
- Plastic Gaskets
- Rubber Gaskets

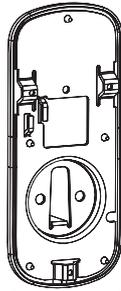
Parts Illustrations



Outside Escutcheon



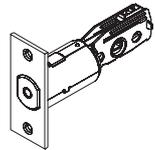
Inside Escutcheon



Inside Mounting Plate with Gasket (back of Inside Escutcheon)



Battery Cover



Bolt



4 AA Alkaline Batteries



Strike Plate



Through Bolts



Inside Escutcheon Mounting Screws



Network Module



Bolt & Strike Plate Mounting Screws

Tools Needed

Door Preparation

- 54mm hole saw
- 25.4mm spade bit
- 2.5mm drill bit
- Chisel & hammer

Lock Installation

- #2 Phillips screwdriver

Prepare lock for installation

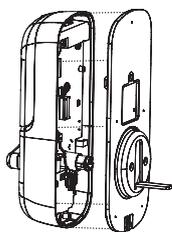
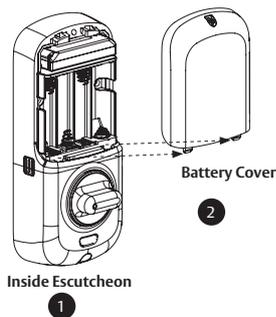
Unpack the Lock

The lock is packed representative of how it will install on the door.

Before installing the lock on the door:

A. Inside escutcheon

1. Loosen the screw (Phillips #2) holding the battery cover. (The screw remains attached to battery cover)
2. Slide the battery cover up and out (note the two tabs at bottom of battery cover).
3. Remove the inside mounting plate (with gasket) from the back (door side) of the inside escutcheon.



Inside Escutcheon & Mounting Plate (with gasket)

- B. Ensure that gasket on both Outside Escutcheon and Inside Mounting Plate (Figure 3A) is properly fitted. Use either Rubber gaskets for doors 38-50mm thick or Plastic gaskets for doors 32-38mm thick.

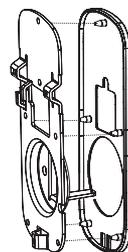


Figure 3A

C. Bolt

NOTE: Bolt ships with backset in 60mm position. If required, press small black button on underside of bolt and pull to extend to 70mm backset position (Fig. 3B).

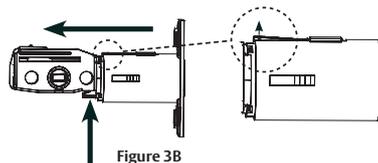
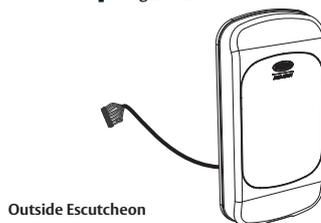


Figure 3B

- D. The outside escutcheon (with gasket remains assembled).

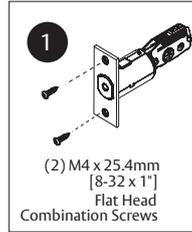


Outside Escutcheon

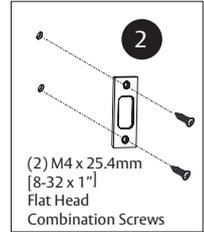
Install Lock

1. Install bolt in door.

NOTE: The bolt must be in a retracted (unlocked) position when installing the lockset.
Attach with (2) M4 x 25.4mm screws supplied.



2. Install strike on the door frame, making sure to allow for the bolt to be centred in the strike.

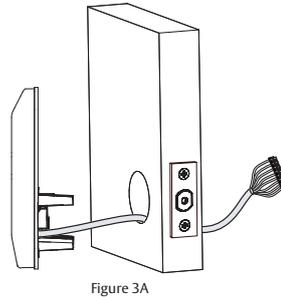
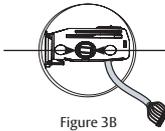


3. Install outside escutcheon.

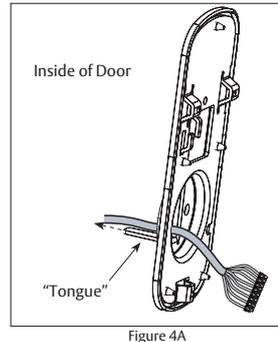
As you position the outside escutcheon, route the cable through 54mm diameter hole (Figure 3A).



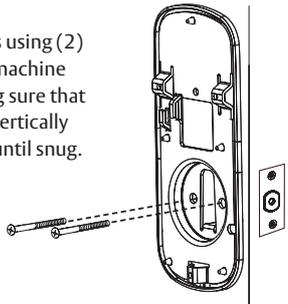
NOTE: Cable goes **under** bolt (see Fig. 3B).



4. Holding the outside escutcheon flush to the door, positioning the inside mounting plate by first routing the cable and connector through the mounting plate's 1/2" hole, then inserting the mounting plate "tongue" into the bottom slot of the outside escutcheon. See (Fig. 4A).



5. Secure both assemblies using (2) M6 x 40mm pan head machine screws (Fig. 4B), making sure that outside escutcheon is vertically aligned. Hand-tighten until snug. **Do not over-tighten**



Install Lock

CAUTION:

Use care when assembling to ensure that the cable lies against the back recessed area of the inside escutcheon (Fig. 6A). Position and bend cable, using the harness clips as shown in Fig. 6A to prevent binding when installing the escutcheon over the mounting plate.

6. Attach cable assembly to the inside escutcheon PC board by lining up notches on top of cable connector to slots on PCB connector (Fig. 6B).

NOTE: Connector should be pressed in firmly using thumbs until completely seated.

Proper position is indicated by arrows on PCB as in Fig. 6A & 6B.

7. Install inside escutcheon on inside mounting plate. Note the horizontal orientation of the tail - piece (Fig. 7) as you insert the inside escutcheon (thumbturn should be vertical).

8. Install and secure using (3) M4 x 8mm pan head screws through the inside escutcheon into the mounting plate (Fig. 8).



IMPORTANT: Before installing the batteries, test the mechanical operation of the lock by using both thumbturn and the key. The movement of the bolt should be smooth and unobstructed. If operation is not smooth, review the previous steps to ensure proper installation.

NOTE: The bolt must be in a retracted (unlocked) position prior to installing the batteries.

9. Insert four (4) AA alkaline batteries. The lock responds with a series of beeps, and a quick flash of all keypad LEDs. When activating the lock for the first time, the lock will adjust for proper handing.

NOTE: Refer to programming instructions prior to completion of step 10.

10. Install battery cover and tighten Phillips head screw.

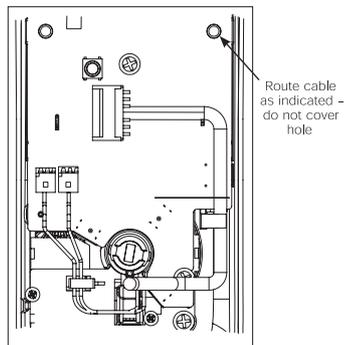


Figure 6A

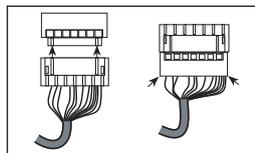


Figure 6B

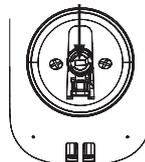


Figure 7

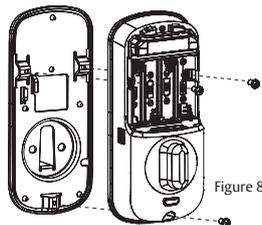


Figure 8

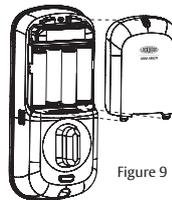
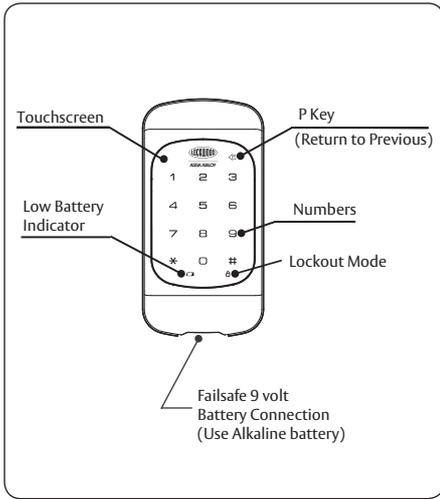


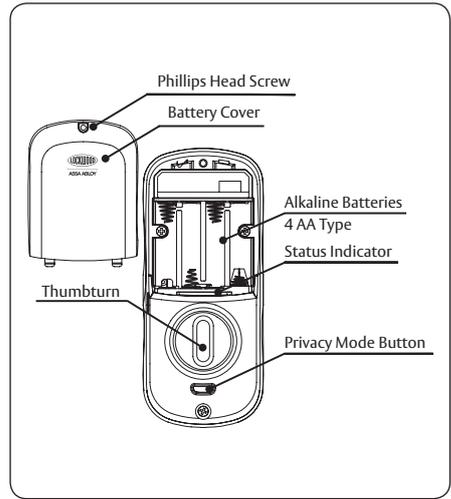
Figure 9

Programming Features - Menus - Keys - Definitions

Outside



Inside



Menu and Icons Used in This Guide

	Press the indicated number		Enter Master PIN code (4-8 digits in length).
	Press the  on the keypad to Enter or Accept entry.		Enter User PIN. Can be 4-8 digits in length.
	Press the  Key to enter the Menu mode.		Manage User Codes (1-25); RF Network-Controlled (1-250).
	Press the  Key to return to the previous step or menu setting.		

Components and tools



Definitions

Master PIN Code: The Master PIN code is used for programming and for feature settings. It must be registered prior to programming the lock. The Master code will also operate (unlock/lock) the lock (Main Menu selection #1).

User PIN Code: The User code operates the lock. Maximum number of user codes is 250 with network module; without the network module, maximum is 25 user codes (Main Menu selection #2).

Volume Mode: The volume setting for PIN code verification is set to High by default. Otherwise it can be set to High or Silent (Main Menu selection #4).

Automatic Re-lock Time: After a successful code entry and the unit unlocks, you can set your lock to automatically re-lock after a default time of 30 seconds. The Automatic Re-lock function can be enabled or disabled (Main Menu selection #3*1).

All Code Lockout Mode: This feature is enabled by the Master PIN code. When enabled, it restricts all User PIN codes (except the Master PIN code). When the unit is in Lockout mode, the red locked padlock will appear on the screen when attempting to enter a PIN code (Main Menu Selection #6).

Inside Indicator Light: Shows active status (Locked) of lock and can be enable or disabled in the Advanced Lock Settings (Main menu selection #3*2).

Low Battery: When battery power is low, the low battery icon will begin flashing. If battery power is completely lost, use the key override.

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

Privacy Mode Button: Pressing and holding the Privacy button (found below thumb turn) for a duration of four beeps deactivates the keypad, and because it is set from the inside, provides a secure lock for the convenience of the occupant(s). (Privacy Mode needs to be enabled from the Menu before using the button (#3, Option 4, 1 # Enable,))

Wrong Code Entry Limit: After a specified number of unsuccessful attempts at entering a PIN code the unit will shut down and not allow operation. With no RF network enabled default is 5; 10 with RF network enabled.

Shutdown time: The unit will shutdown for a default of sixty (60) seconds and not allow operation after the wrong code entry limit has been met. When the unit is in Shutdown, the red locking symbol will be flashing.

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

Network Module Setting: With the optional network module installed, this setting becomes available through Main Menu option #7 and allows the lock to connect with a network controller.

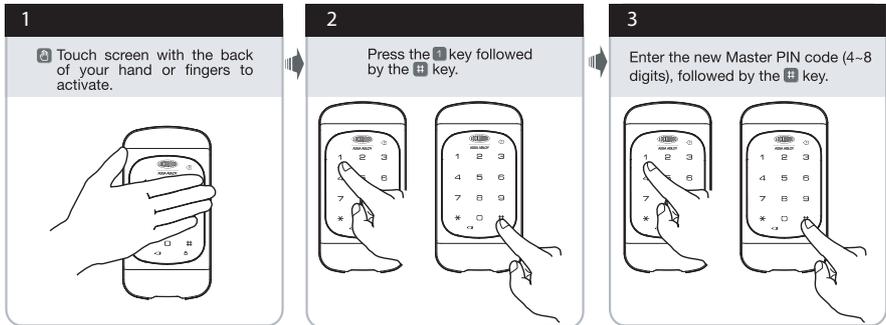
Previous: While in menu mode, pressing the icon (above #3) cancels the current operation and returns the user to the previous step.

Operation

Register Master PIN Code Before Programming

- Step 1 Touch the screen with the back of your hand or fingers to activate.
- Step 2 Press the **1** key.
Lock Response: "Register Master Code; press the # key to continue."
- Step 3 Press the **#** key.
Lock Response: "Enter a 4 to 8 digit PIN code followed by the pound key."
- Step 4 Enter a new 4-8 digit Master PIN code followed by the **#** key.
Lock visually confirms PIN code selection, announces "Registered".

This initial step must be performed upon installation or after resetting the lock to factory default. Programming and subsequent use of the lock is not possible until this step has been successfully completed.



PIN code structure

Maximum number of user codes is 250 with Network Module; without Network Module, maximum is 25 user codes.

Operation

Set Up User Codes

User PIN Codes can only be programmed through the Master PIN Code*.

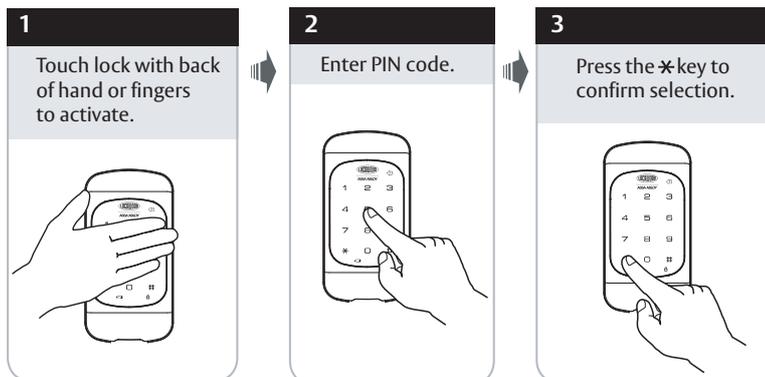
1. Touch the screen with the back of your hand or fingers to activate .
2. Enter a 4-8 digit Master PIN code followed by the  key.
3. Enter "2" followed by the  key.
4. Enter "1" followed by the  key.
5. Enter the User Number to be registered (1-25) followed by the  key.
6. Enter a 4-8 digit PIN code for the User number followed by the  key.
7. **To continue adding users** press the  key.
8. Press the  key to complete the process and conclude the programming session.

NOTE: When registering User codes, the code must be entered within 20 seconds or the time expires.

* Master PIN code must be registered before User codes can be added.

Protect your privacy; always shield your PIN code entry.

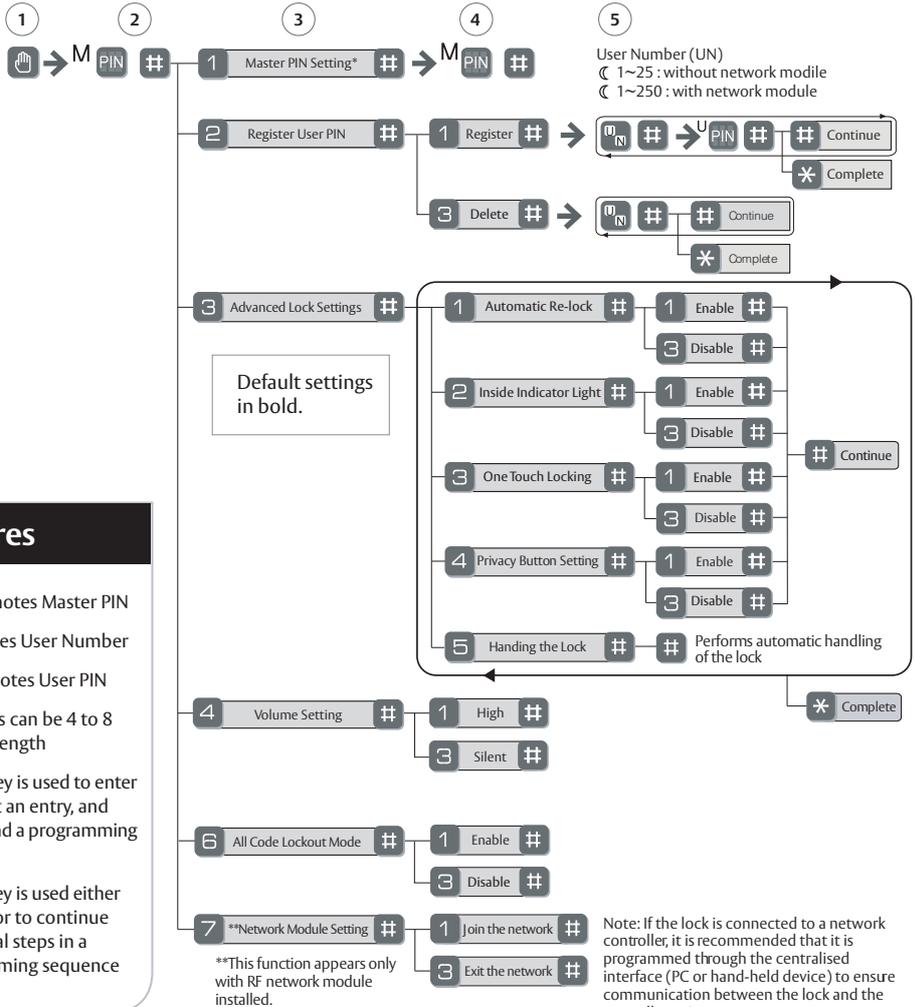
Open Door with PIN Code



Programming Using Master PIN code

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.



Features

- **M** **PIN** denotes Master PIN
- **M** **UN** denotes User Number
- **U** **PIN** denotes User PIN
- PIN codes can be 4 to 8 digits in length
- The ***** key is used to enter or accept an entry, and also to end a programming session
- The **#** key is used either to enter or to continue additional steps in a programming sequence

Note: If the lock is connected to a network controller, it is recommended that it is programmed through the centralised interface (PC or hand-held device) to ensure communication between the lock and the controller unit.

Pairing with ZigBee Smart Hub

1. Check that the Connected Digital Deadbolt is not already paired

Before pairing the Connected Digital Deadbolt to a new ZigBee network Smart Hub, be sure it is not paired to another controller. You can check this by following these simple steps:

(A)



(B)



If the Connected Digital Deadbolt shows option B as above, the Connected Digital Deadbolt has been paired with another Zigbee Smart Hub and needs to be unpaired.

2. Unpairing a Zigbee Smart Hub

The old ZigBee network Smart Hub must be set on the unpaired mode.

Repeat steps A and B above in the Connected Digital Deadbolt to remove it from the old ZigBee network. The lock will communicate a successful change.

Pairing with ZigBee Smart Hub

3. Pairing a Zigbee Smart Hub

Repeat step A.

The Connected Digital Deadbolt will show the option below.

1 Join the Smart Hub

NOTE: (If the Connected Digital Deadbolt continues showing B, “Exit the network” the Connected Digital Deadbolt is still paired with the Smart Hub and steps A and B need to be repeated again)

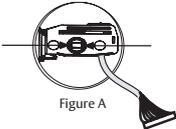
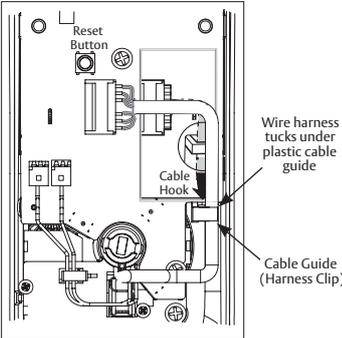
This means the Connected Digital Deadbolt is ready to be paired. To do that, the Smart Hub must be set on the paired mode. Then the above step 3 needs to be followed in the Connected Digital Deadbolt to include it to the new ZigBee Smart Hub.

NOTE: Connected has been tested successfully with the Smart Hub. Please ask your Smart Hub retail vendor or dealer for more information about this integration.

Troubleshooting

Hardware Troubleshooting

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

Symptom	Suggested Action
Door is binding	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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	<ul style="list-style-type: none"> 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 cable/connector is routed under the bolt (see Fig. A) e. Verify bolt is installed correct side up (Fig. A) <div style="text-align: center;">  <p>Figure A</p> </div>
Keypad numerics are scrolling	<p>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.</p> <div style="display: flex; align-items: center;">  <div style="margin-left: 20px;"> <p>Reset Button</p> <p>Cable Hook</p> <p>Wire harness tucks under plastic cable guide</p> <p>Cable Guide (Harness Clip)</p> </div> </div>

Programming Troubleshooting

Symptom	Suggested Action
Lock does not respond - door is open and accessible.	<ul style="list-style-type: none"> • Press each keypad button to see if they respond when pressed. • Check batteries are installed and oriented correctly in the battery case. • Check batteries are in good condition; replace batteries if discharged. • Check to see if cable is fully connected and not pinched.
Lock does not respond - door is locked and inaccessible.	<ul style="list-style-type: none"> • Lock may be in Privacy mode (set from inside room). Key will grant access. • Batteries may be completely discharged. • Use mechanical key to gain entry and replace batteries.
Unit chimes to indicate code acceptance, but the door will not open.	<ul style="list-style-type: none"> • Check to see if there is another locking device on the door. • Check the door gaps for any foreign objects between door and frame. • Check that the cable is firmly connected to the PC board.
Unit operates to allow access, but will not automatically re-lock.	<ul style="list-style-type: none"> • 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	<ul style="list-style-type: none"> • The Master PIN code must be registered prior to adding user codes. • PIN codes must consist of 4 to 8 digits to register. • The same PIN code cannot be used for multiple users. • Registration/management of PIN codes is set by the authority of the Master Code. • Contact the Master user. • User codes must be entered within 5 seconds or the process will have to be restarted. • The star * or pound # symbol cannot be used as part of the PIN code.
The unit operates, but it makes no sound.	<ul style="list-style-type: none"> • Set the volume to High.
The unit displays intermittent RED flashes.	<ul style="list-style-type: none"> • This is the voice alarm alerting that it is time to replace the batteries. Replace all four (4) batteries with new AA Alkaline batteries.
Upon entering a PIN code and pressing the  key, the unit responds with a series of beeps and the keypad flashes three times.	<ul style="list-style-type: none"> • The digits entered were incorrect or incomplete. Re-enter the correct code followed by the  key.
The unit responds 	<ul style="list-style-type: none"> • This is the voice alarm alerting that it is time to replace the batteries. Replace all four (4) batteries with new AA Alkaline batteries.

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

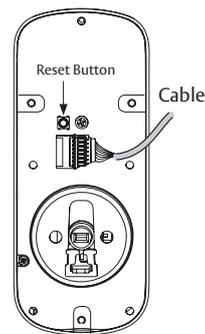
Reset Lock to Factory Default

TO RESET THE LOCK TO FACTORY DEFAULT, SEE THE FOLLOWING:

The following procedure returns the lock to its factory defaults by deleting all user codes (**including the Master PIN code**) and returning all programming features to their original default settings (see below).

1. Remove the batteries and then remove the interior escutcheon to access the reset button.
2. The reset button (see image at right) is located above the PCB cable connector.
3. Hold down the reset button for a minimum of 3 seconds and then reinstall the batteries; once the batteries are properly installed, release the reset button.

All features, should now be returned to factory default. Upon reset, Master Code Registration is the only option available and **must be performed** prior to any other programming of the lock. See “**Operation**” in this manual for programming instructions.



Inside Escutcheon

Factory Default Settings

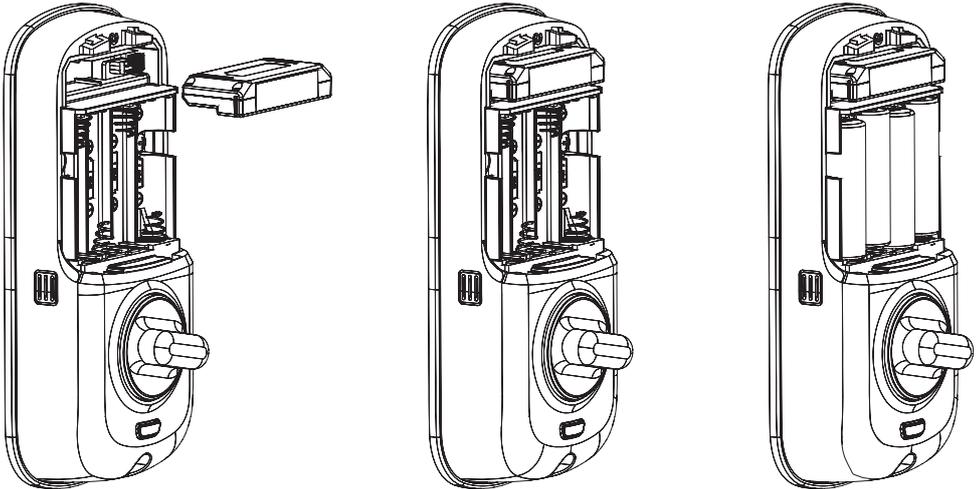
Settings	Factory Default
Master PIN Code	Registration required*
Automatic Re-lock	Disabled
Inside Indicator Light	Disabled (Off)
One Touch Locking	Enabled
Audio	Enabled (Low)
Privacy Mode	Disabled
Automatic Re-lock Time	30 Seconds
Wrong Code Entry Limit	5 Times
Shutdown Time	60 Seconds

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

Installing/Removing the Network 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



Use feature programming step 7 (page 13) for enrollment of the Network Module.

Pin Code Management Sample Sheet

PIN Code Management (up to 20 users)					
Location:			Door Number:		
User Type	User Name	PIN Code	User Type	User Name	PIN Code
Master					
User 01			User 11		
User 02			User 12		
User 03			User 13		
User 04			User 14		
User 05			User 15		
User 06			User 16		
User 07			User 17		
User 08			User 18		
User 09			User 19		
User 10			User 20		

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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Lockwood is the leading brand in the Australian locking industry. With an established reputation for high quality products, this iconic brand provides a wide range of locking solutions to residential housing, commercial building and industrial application markets. Lockwood is supported by an extensive distribution and after-sales support network. Our customers include retailers, architects, trade and industrial personnel, locksmiths and security dealers.

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