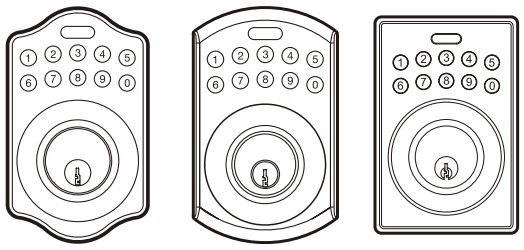
FGS-PL1-1

ELECTRONIC DEADBOLT

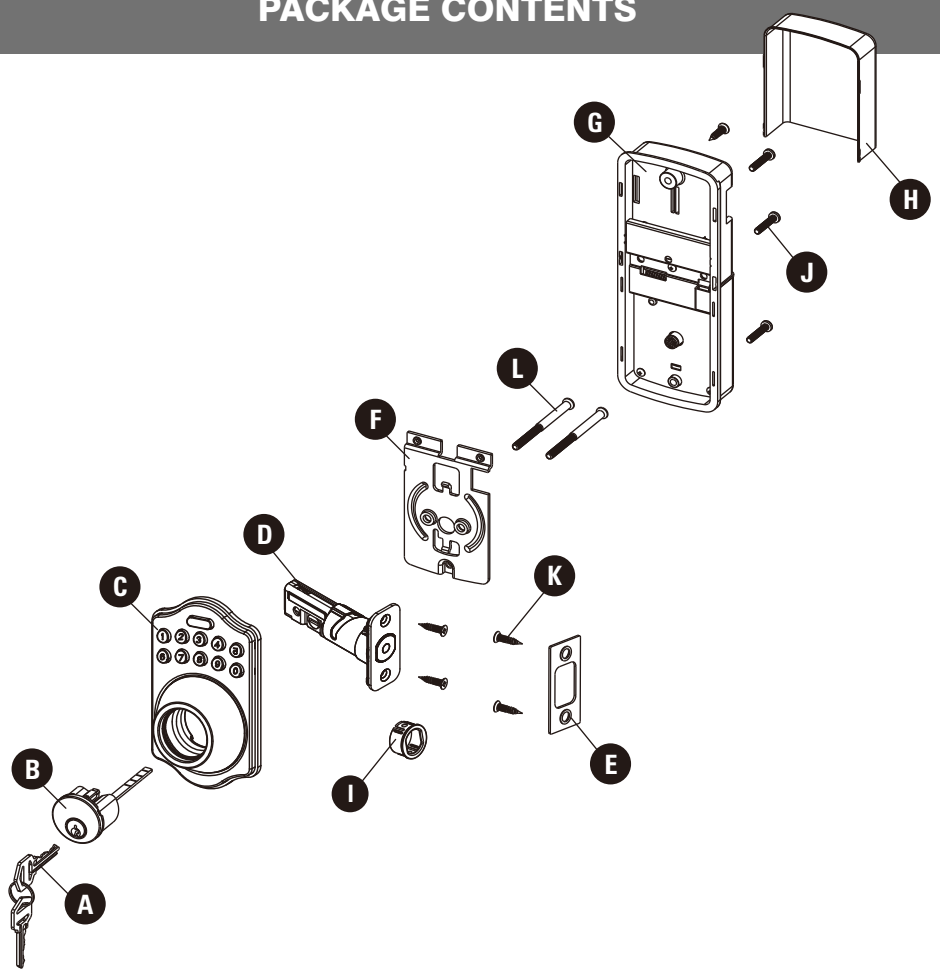
Installation Guide



⚠ WARNING

Do not use an electric screwdriver during installation.

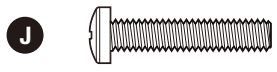
PACKAGE CONTENTS



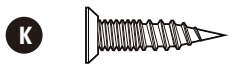
Part	Description	Quantity
A	Key	2
B	Cylinder	1
C	Deadbolt Keypad Assembly	1
D	Deadbolt Latch	1

Part	Description	Quantity
E	Strike Plate	1
F	Mounting Plate	1
G	Receiver Assembly	1
H	Battery Cover	1
I	Drive-in Sleeve (Optional)	1

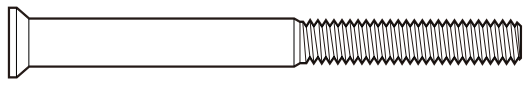
HARDWARE SCREWS CONTENTS



Machine Screws **Qty. 3**



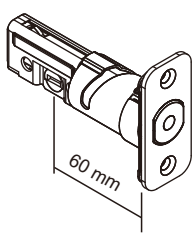
Wood Screws **Qty. 5**



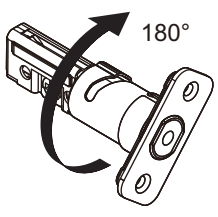
Deadbolt Chassis Screws **Qty. 2**

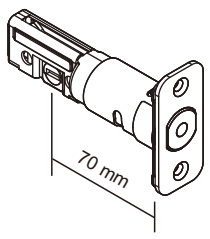
LATCH ADJUSTMENT

Determine if the latch needs to be adjusted to the2-3/4" (70 mm) backset.
To adjust, rotate the latch until it stops.
Reverse the direction to return to the 2-3/8" (60 mm) backset.



2-3/8" (60 mm)

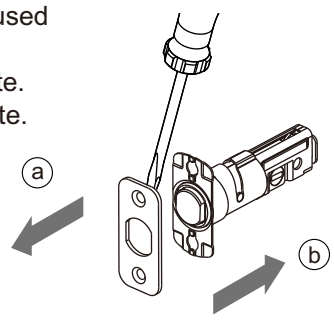




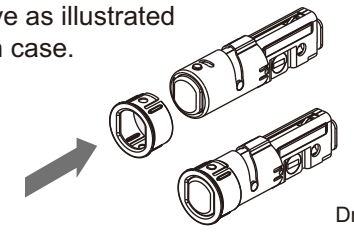
2-3/4" (70 mm)

CHANGE LATCH FACE

Determine which latch mounting method will be used and make necessary adjustments.
No adjustment required for square latch face plate.
a. Use a flat screwdriver to separate the face plate.
b. Snap selected latch face onto back plate.

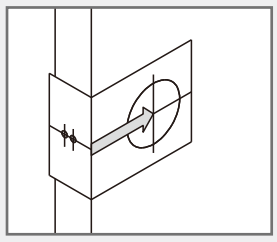


Drive-in Installation
Remove original latch faceplate.
Align the drive-in sleeve as illustrated and snap into the latch case.



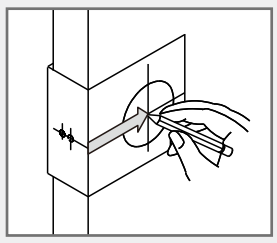
Drive-in Latch

1 Backset Determination



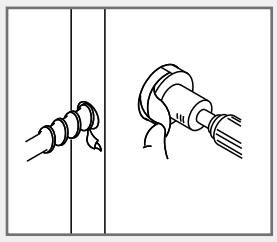
Backset is a distance from door edge to centre of hole on door face.
Adjustable latch fits both backset of 2-3/8" (60 mm) and 2-3/4" (70 mm).

2 Mark the Door with Template



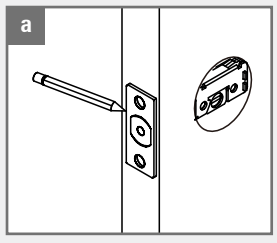
Select the height and backset as desired on the door face; use the TEMPLATE as an indication to mark the centre of the circle on the door face and the centre of the door edge.

3 Drill Holes



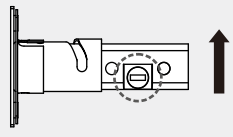
Using the marks as a guide to drill a hole Ø 2-1/8" (54 mm) through the door face for the lockset, then a hole of Ø 1" (25.4 mm) for latch.

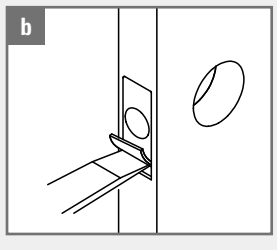
4 Install Latch



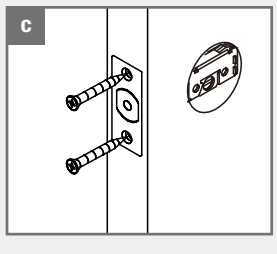
Insert the latch and ensure it is parallel to the door face. Mark the outline of the faceplate, then take out the latch.

You need to stay this way up when inserting the latch.

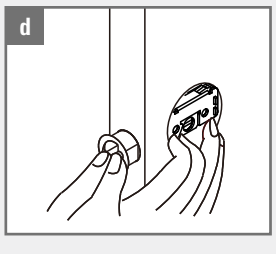




Chisel 5/32" (4 mm) deep along the outline to allow the faceplate to be aligned with the door edge.



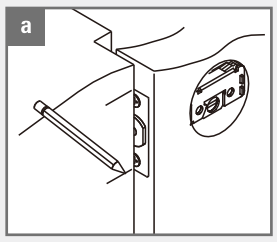
Insert the latch into the door.
Use 2 wood screws to secure latch.
Please do not fully tighten the screws until lock is completely installed.



Install Drive-in Latch
Drive the latch into the hole on edge of door.

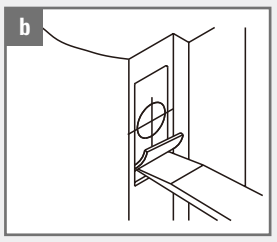
5 Install Strike

a



To identify the centre of strike: close the door to lay the latchbolt against the door frame.
Mark the centre line on the doorframe exactly opposite the latch hole in the door edge.

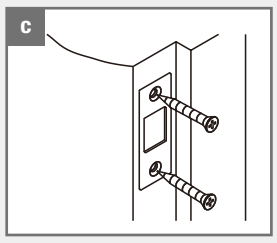
b



Measure one half of door thickness from door stop and vertically mark centre line of strike.
Drill 1" (25.4 mm) hole, 1" (25.4 mm) deep at intersection of horizontal and vertical line of strike.

Chisel 5/64" (2 mm) deep along the strike outline to allow the strike to be aligned with the doorframe.

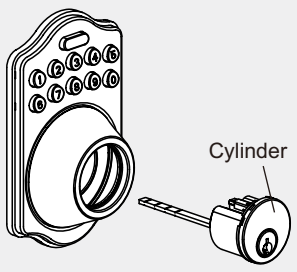
c



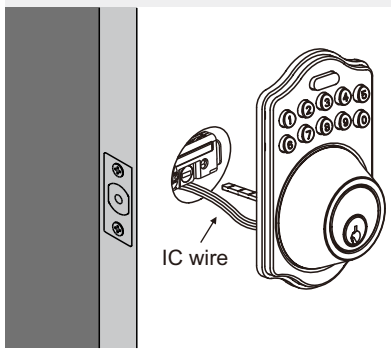
Install the strike plate into your door frame and tighten with wood screws.

6 Install Keypad Assembly

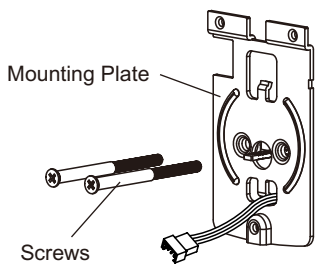
Install cylinder into the deadbolt keypad assembly with tailpiece in horizontal position inserted through hub of the latch.



Pass the IC wire under the latch to the interior side of the door.



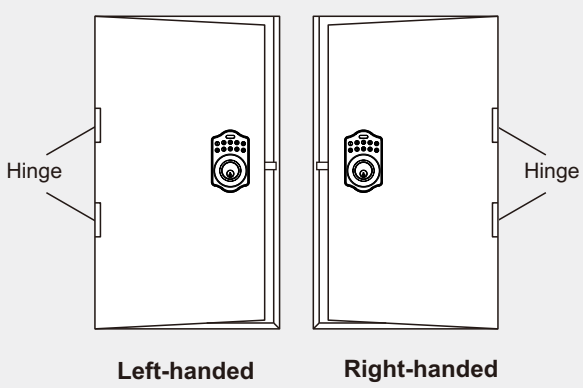
7 Install Inside Mounting Plate



Pass the IC wire through the wire hole of the mounting plate.
Fix the mounting plate with screws.
If outside lock assembly is lopsided, please loosen the screws to adjust its position and tighten the screws again.

8 Identify Door Handing

Face the door from the outside.
The door is left-handed if the hinges are on the left side of the door, whereas the door is right-handed if the hinges are on the right side of the door.

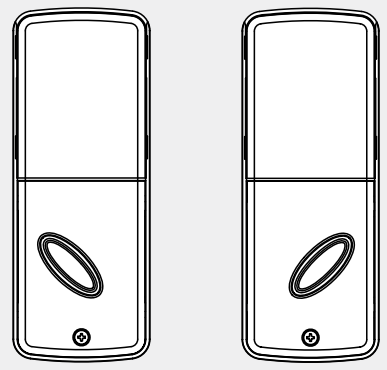


9 Adjust Thumb Turn Piece

Rotate the thumb turn piece to the LEFT at 45 degrees for right-handed doors.

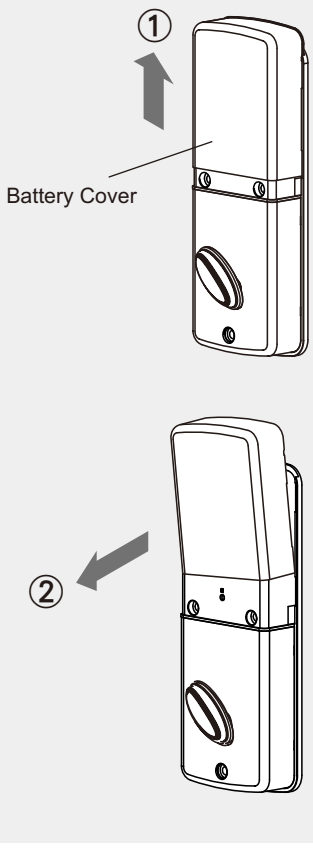
Rotate the thumb turn piece to the RIGHT at 45 degrees for left-handed doors.

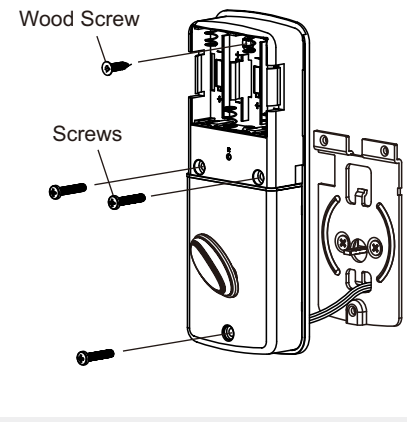
Note : The thumb turn piece is opposite to the latching side.



10 Install Receiver Module

Remove the battery cover (push it up first then pull it out).





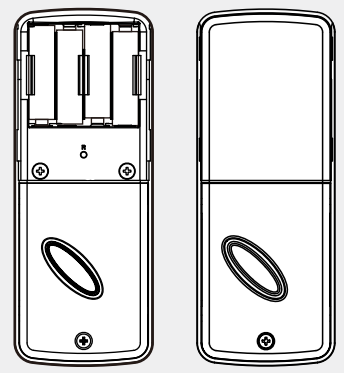
Connect the IC wire into the back of the receiver module.
Ensure that the deadbolt tailpiece is engaged with turn piece, then attach receiver module to the door with screw.
Use the optional wood screw to secure the receiver module to wood doors only.

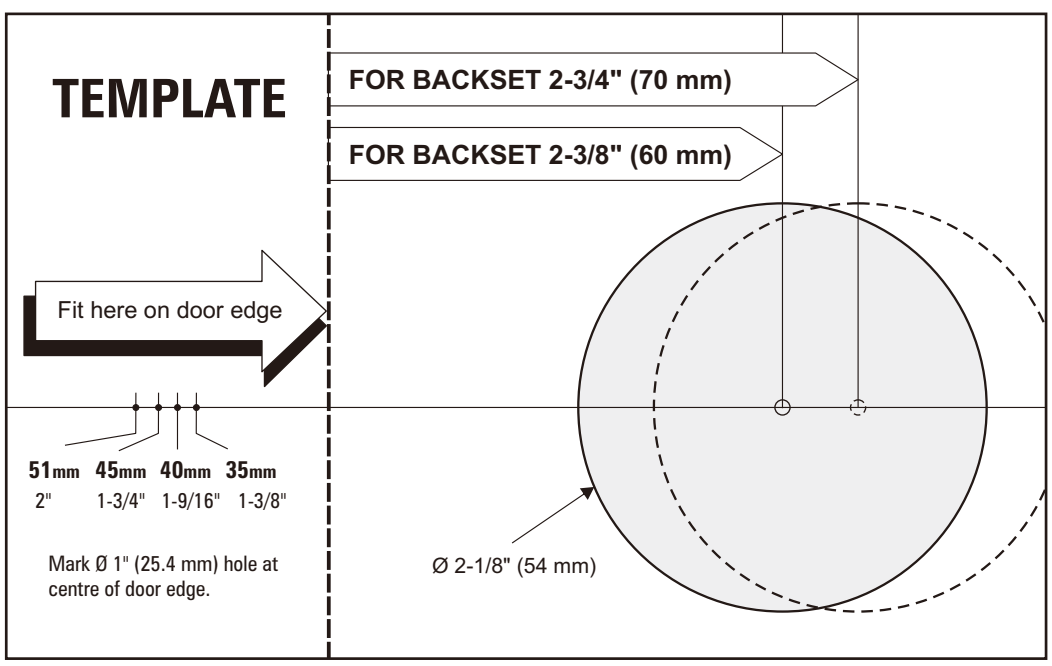
11 Insert Batteries

Insert 4 (AA) 1.5 V alkaline batteries and slide the battery cover back onto the receiver module.

Remarks:
(1) Alkaline batteries are recommended in order to stabilize the power supply.
If you don't use alkaline, battery performance will be reduced greatly.

(2) All settings will be retained in the memory even if the batteries are completed dead.





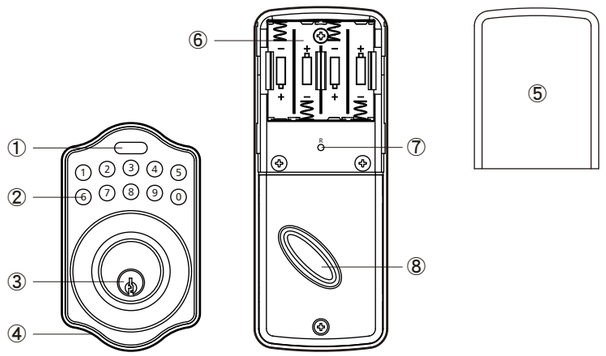
FGS-PL1-2

ELECTRONIC DEADBOLT

User Guide

It's recommended to change the default programming code and default user code right after your install the lock.

Operational Interface



① Programming Button
Programming button is for entering codes, clearing errors and setting function.
It is also used to lock the door.

② Number Buttons
To enter user codes. Each user code is 4–10 digits in length.

③ Cylinder
To lock/unlock the lockset from outside.

④ Washer
Prevents water from permeating into lockset.

⑤ Battery Lid
Slide the lid to change the batteries.

⑥ Battery Holder
Four AA (1.5 V) alkaline batteries.

⑦ R Button (Reset)
Restore default settings.

⑧ Turn-piece
To lock/unlock the lockset from inside.

Do not use any chemical liquid or lubricating oil with additives to clean the lock body. It will damage the surface or even mainboard.

Operating Instructions

Keep the door open while programming to avoid being locked out accidentally.
The lock contains one factory-preset user code but can be programmed to store up to a total of six additional unique use codes.
Codes can be added and deleted at any time.
For first-time programming, use factory default programming code.

Operation Indicator Sounds and Lights

Sounds	Lights	Meaning
1 Beep	Flashes Green Once	Successful Operation
2 Long Beeps	Flashes Green Twice	Successful Programming
3 Beeps	Flashes Red 3 Times	Operation Error
5 Beeps	Flashes Red 5 Times	Code Input Error; System Shuts Down for 45 seconds
10 Rapid Beeps	Flashes Red 10 Times	Low Battery Power
3 Long Beeps	Flashes Orange 3 Times	Default Setting Restored
	Flashes Orange Slowly	In Programming Mode

Default programming code (PC): 0000
Default user code (UC): 1234
Your new programming code (PC) _____
Your new user code (UC) _____
The same programming code and user code cannot be accepted.

The lock will cease operation if unauthorized codes are entered over 5 times. The system will unfreeze after 45 seconds.

1 Door Handing Identification Process

The lock needs to learn if your door is a right-handed or left-handed.

DO THIS FIRST

Enter PC ➡ 🔓/🔒 ➡ 0 ➡ 🔓/🔒

2 Change Programming Code

Enter PC ➡ 🔓/🔒 ➡ 4 ➡ 🔓/🔒 ➡ Enter New PC ➡ 🔓/🔒

3 Add New User Code

Enter PC ➡ 🔓/🔒 ➡ 1 ➡ 🔓/🔒 ➡ Enter New UC ➡ 🔓/🔒

Note: Up to 10 sets of user codes can be saved. User codes should be 4–10 digits in length.

4 Delete an Existing User Code

Enter PC ➡ 🔓/🔒 ➡ 2 ➡ 🔓/🔒 ➡ Enter the UC you want to delete ➡ 🔓/🔒

5 Delete All User Codes at Once

Enter PC ➡ 🔓/🔒 ➡ 3 ➡ 🔓/🔒

Note: Auto-locking and keypad locking functions will be invalid when user codes are deleted. The lock can only be operated by key during that time.

6 Toggle Auto-Lock On/Off

Enter PC ➡ 🔓/🔒 ➡ 5 ➡ 🔓/🔒

Note: The preset delay-time is 30 seconds, you can change the time by following instructions #7. Repeat the steps in #6 to cancel the auto-locking function.

7 Set Auto-Lock Time Delay

Enter PC ➡ 🔓/🔒 ➡ 6 ➡ 🔓/🔒 ➡ Enter Seconds (10~99) ➡ 🔓/🔒

Note: 10–99 seconds delay-time available.

8 Toggle Mute On/Off

Enter PC ➡ 🔓/🔒 ➡ 7 ➡ 🔓/🔒

Note: Repeat same steps in #8 to turn beeper On/Off.
LED illumination is still functioning when it's in mute, but there will be no warning alarms.

9 Enable/Disable All User Codes

Enter PC ➡ 🔓/🔒 ➡ 8 ➡ 🔓/🔒

Note: Auto-locking and keypad locking functions will be invalid when user codes are disabled. The lock can only be operated by key during the time.
Repeat the steps to enable the user codes again.

10 Create a One-Time User Code 4–10 Digits Long

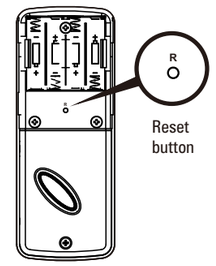
Enter PC ➡ 🔓/🔒 ➡ 9 ➡ 🔓/🔒 ➡ Enter One Time Code ➡ 🔓/🔒

Note: The one-time user code will automatically cancel after it is used one time.

11 Restore Default Settings

Press (R)

Note: Press the button for more than 5 seconds; the programming is reset back to the original factory codes once you hear 3 long beeps.
After restoring default settings, you must run the door handing identifying process (#1) again before programming any other functions.



Trouble shooting

PROBLEM	POSSIBLE CAUSE	CORRECTIVE ACTION
After installing the lockset and batteries, the door can't be locked and three short beeps are emitted when you press the Programming button.	The door-handing identification process isn't yet complete.	Refer to step1.
You've installed the lockset and batteries, but you still get no response when you press any button.	Batteries were installed incorrectly.	Check to see if the battery polarities have been reversed or if the battery is dead. If so, re-install or change the battery. If not, please check to see if the cable is properly connected.
When you are in the door-handing identifying process, you get the red light flashing three times, and three short beeps.	Wrong door-handing or change of the door-handing in the memory.	Press the R button to restore the system to factory default setting and re-execute door-handing identifying process (Refer to step 1)
Although you succeeded in the first execution of the door-handing identifying process, the latch still doesn't work. (i.e. You can feel the motor attempting to run, but the latch bolt is stuck, and the turnpiece can't be rotated.)	Low battery.	Replace with new alkaline batteries.
Although the electronic deadbolt has been functioning normally, the latch bolt suddenly locks up, and the turnpiece inside can't be rotated, not even with a key.	The deadbolt latch is stuck due to a warped door or misaligned door.	First, take out one battery, then press any button on the front panel for electric discharge, and put the battery back in. The latch bolt will automatically re-detect its position. Note: If the latch gets stuck frequently, please check and fix the alignment of the deadbolt latch & strike plate.
The door can be locked normally, but when you try to unlock it, you hear three short beeps and the lock won't unlock when you enter the user code and press the programming button.	The sensor did not sense position.	Unlock the door with the key and re-program the unit. If the problem persists, call our customer service department.
While the door is locked, you hear the latch bolt coming out when you press the Gatehouse to lock the door; however, three short beeps are emitted. Conversely, while the door is open, no beeps are emitted when locking the latch bolt.	(1) The depth of the latch bolt hole is insufficient. (2) The latch bolt is not aimed at the opening of the strike.	(1) Dig the latch bolt hole for the strike deeper. The minimum depth is 1" (2.5 cm). (2) Adjust the strike to the appropriate position.