







Please receive the entry certainly and get introduction from installing store and its installer. If there is no exact entry on warranty form, you should be disadvantaged on A/S. The function and design will be changed without notice to improve the performance. Thank you for purchasing this product. Please use properly after reading this instruction carefully.

Product features



Four way solution

Available to use one solution of Password, Fingerprint, Smart card as well as key override



Random security coding function

When you enter your home with friends or other people, you don't want to show secret code to them. In this case, you may press any number randomly without limitation and then enter your secret code at final. Then, you can open the door without revealing your secret code.



Individual management for Smart card

Individual registration or delete of Smart card is available



Panic Release handle type

It facilitates escapes while in danger opening easily with a simple action of lever down.



High reliance mechanical mortise lock type

It has high reliability mechanical mortise lock type with installing the locking device on door body inside



Auto lock / Auto re-lock function



When the door is closed, to be locked status automatically. And if users do not open the door after unlocking with password, etc, it is to be locked automatically for higher security.



Double lock function

When double lock system is activated, the door cannot be opened from outside even with the registered card key or secret code.



Trespass alarm function

When the door is opened by force with hammer or other devices, door lock function is suspended with alarm sound.



Prevent mischief and hacking

With 3 times of abnormal try with wrong secret code, function of door lock is suspended with alarm sound



Battery level indicator and alarm for battery replacement time

Easy to check battery status with 3 step level indicator and alarming battery replacement time with sound & lamp

Safety precautions



Do not disassemble or alter the lock. Assembling or disassembling the door lock may damage the product. Damages to the product caused by unauthorized persons may result in damages to your property. Please contact our Customer Service



If the product generates harmful gases or smoke, please remove the batteries immediately from the product. If you do not take this step immediately, the product may suffer severe damage.



Please keep the product away from water or any liquids. If the product is exposed to salty water or liquids, please wipe off the moisture with a soft cloth. If moisture or foreign materials penetrate the product, remove the batteries immediately and contact the Service Agency or Customer Service Center for advice. Using a product contaminated with foreign materials may cause problems.



Please check the batteries every 6 months to see if the batteries are leaking and to check the cleanliness of battery terminals. If leakage is discovered, please wipe out with a dry cloth and replace the new batteries. In case of exposure to leakage, wash with soap and water immediately.



Do not clean the product with flammable materials such as alcohol, benzene or thinners. Such materials may damage the surface or cause a fire.



Batteries should not be exposed directly to heat sources or flames, or submerged in water, because they may leak or explode, resulting in severe damage. Please do not use damaged batteries.



Do not allow the battery electrodes to make contact with metals such as keys, as the battery may overheat, causing explosion or severe damage.



Please do not close the door with the deadbolt in the locked position. It may damage the product or cause a malfunction,



Do not force to pull the front cover. It may damage the product or cause a malfunction.



Please do not mix old with new batteries or use different types. Always use new alkaline batteries. Please make sure the batteries are inserted correctly (+/-) as indicated in the battery compartment. Otherwise, it may cause a leaks or explosions.

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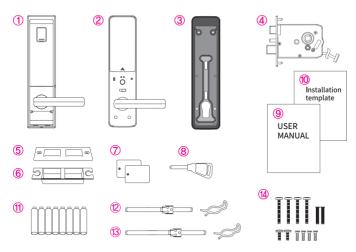
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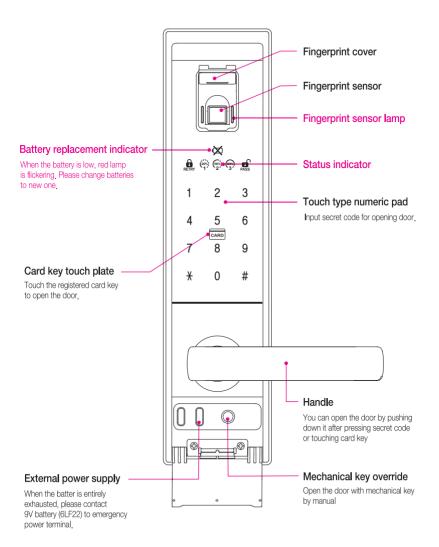




Name	Product specification	Remark
1. Front Ass'y	76mm (W) x 306mm (H) x 28mm (D)	Including rubber pad
2. Back Ass'y	71mm (W) x 298.6mm (H) x 30.7mm (D)	
3. Back Cover	76mm (W) x 303.6mm (H) x 7.9mm (D)	Including rubber pad
4. Mortise lock	123mm (W) x 109.5mm (H) x 24.5mm (D)	
5. Striker	36mm (W) x 106mm (H) x 1.5mm (D)	
6. Striker housing	24mm (W) x 102mm (H) x 18mm (D)	
7. Card key	2EA	
8. Mechanical key	3EA	
9. User manual	Main user manual	Including warranty form
10. Installation template	Use for making hole at the door	
11. Battery	8 pcs (1.5V, 'AA' Size, LR6 Alkaline)	
12. Handle shaft	89(W) X 12(H) X 12(D)mm + Stop-ring	
13. Handle shaft (M)	126.9(W) X 12(H) X 12(D)mm + Stop-ring	
14. SCREW	5 x 30mm 4EA : For back cover 5 x 24.5mm 2EA : For inner lower part 5 x 8mm 2EA : For inner upper part 3/16 in x 1/2 inch, 4EA : For mortise and striker 4 x 19mm 4EA : For front/Back plate	TH M5 x 30 OH M5 x 24.5 TH M5 x 8 FH M5 3/16 x 1/2 FH T4 x 19

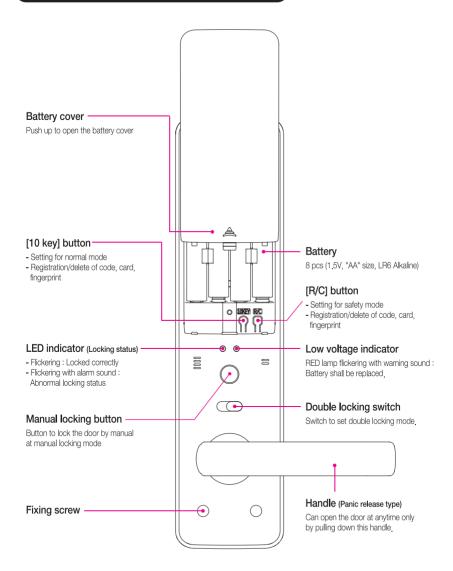


Name and function of each part - Front ass'y



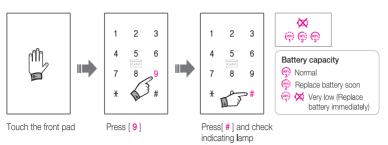


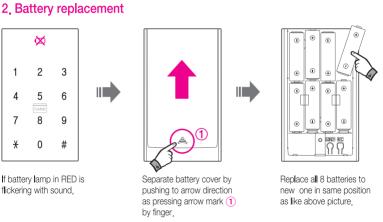
Name and function of each part - Back ass'y



How to check battery capacity / How to replace battery

1 Check battery capacity





(!) Note

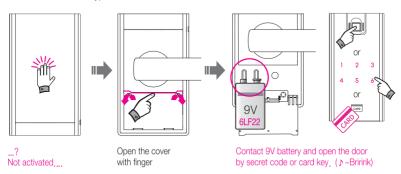
- · Life of battery is around one year based on 10 times of uses a day.
- · Battery life can be vary depending on battery's manufacturer, production date, installed environment and usage frequency
- · Second hand battery or usage of different type batteries can be a reason of door lock's malfunction.
- · Do not use rechargeable battery
- · Leakage on battery can be caused and it is very harmful for door lock's operation. Please check batteries periodically (at least every 6 months) and if there is any of leakage on battery. replace all to new batteries



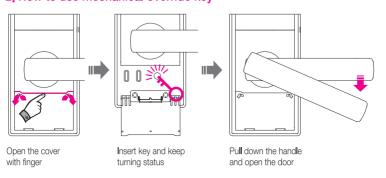
How to apply external power in the emergency

1. How to apply external power in the emergency

When the battery is entirely exhausted and door lock is not activated, please contact 9V (6LF22) battery to emergency power terminal. Once the door lock is activated, open the door by secret code and replace the batteries in back ass'y



2. How to use mechanical override key



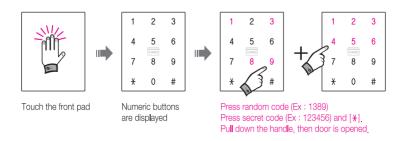
(!) Note

- · Position of polarity is in regardless.
- · Please keep mechanical override key separately for usage in the emergency.
- · After using mechanical override key, please store it safely



How to use touch-pad and random security coding function

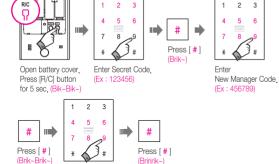
Random security coding function - Press any number randomly without limitation and then enter your secret code at final, With this function, you can open the door without revealing your secret code to others.





- · Do not wear gloves during operation for touch pad.
- · When you use random security coding function, actual secret code shall be entered at final.
- · Please use soft cloth when you clean touch pad

How to change mode (Normal mode → Safety mode)



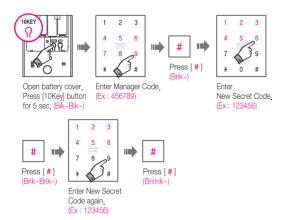
Enter New Manager

Code again

(Fx: 456789)



How to change mode (Safety mode → Normal mode)



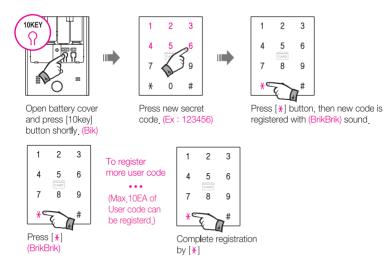
(1) Note

3

6

- · Manager code & manager card shall be controlled by authorized person for security
- · Existing secret code, card and fingerprint are deleted automatically after registration of new manager code
- · Only one of manager code can be registered with 6 ~ 12 digits
- · After input manager code which was used at safety mode and press [#] all code/card/fingerprint which were registered at safety mode shall be deleted Newly registered code is for usage at normal mode
- · Max 10EA of Secret code can be registered with 6 to 12 digits.
- To register multiple code. input new secret code and press * successively
- · Previous code is deleted automatically with registration of new code
- · Please do the change / registration of new code at door opened status to prevent unintentional locking
- · After changing secret code, please verify it by unlocking with new secret code

How to register secret code in normal mode



(!) Note

- · Factory setting (Mode: Normal mode, Secret code: 123456)
- · Max_10EA of Secret code can be registered with 6 to 12 digits.
- · To register multiple code, input new secret code and press [*] successively
- · Previous code is deleted automatically with registration of new code.
- · Please do the change/registration of new code at door opened status to prevent unintentional locking

3

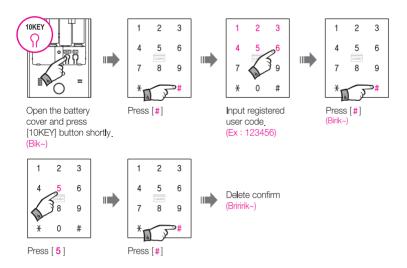
· After changing secret code, please verify it by unlocking with new secret code

How to register card key in normal mode



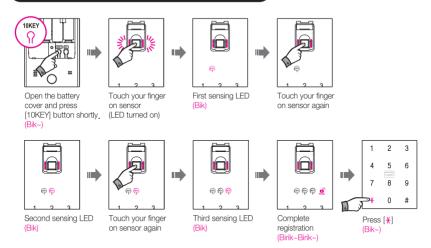
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How to delete all card key in normal mode

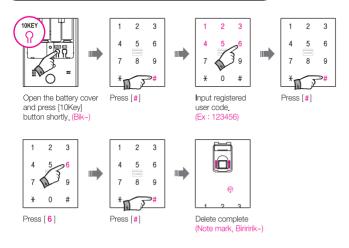


- Previous card key memory is deleted automatically after registration of new card.
- *To register multiple secret code, press new secret code successively and press [*].
- · To finish registration, please press [*) one more time.
- · Max 50 card keys can be registered.
- · For high security, please use cards which are supplied by Milre Systek.

How to register fingerprint in normal mode

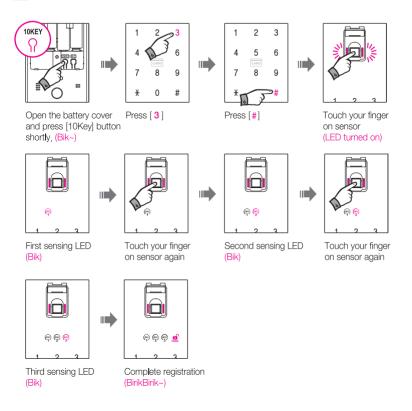


How to delete all fingerprint in normal mode





How to register fingerprint when the fingerprint cover is out of order



- To register fingerprint, proceed sensing 3 times.

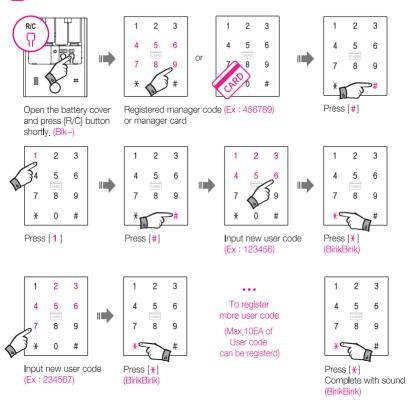
 (If different fingerprint is applied, not registered with warning sound.)
- · Max 100EA of fingerprint can be registered.
- · To finish registration, please press [*) one more time.
- * Even though new fingerprint is registered, previous fingerprint data is not deleted.

✓

How to register secret code in safety mode



Manager code & manager card shall be controlled by authorized person for security.



- · Max 10EA of Secret code can be registered with 6 to 12 digits
- · To register multiple code, input new secret code and press [*] successively.
- · To finish registration, please press [¥] one more time.
- · Previous code is deleted automatically with registration of new code.
- · Please do the change/registration of new code at door opened status to prevent unintentional locking.
- · After changing secret code, please verify it by unlocking with new secret code.

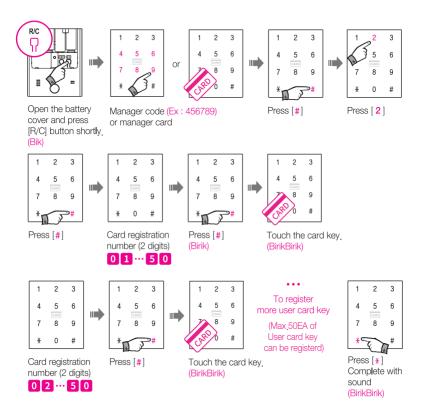


How to register card key in safety mode



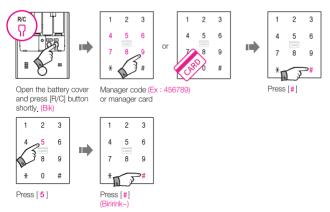
Even though new card is registered, previous card data is not deleted.

If same registration number is applied, hold registration mode with warning sound.



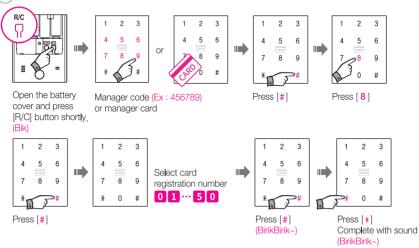
- *To register multiple card, repeat to input new registration number and touch the another card key successively
- · To finish registration, please press [*] one more time.
- Registration number shall be two digits. $(01 \sim 50)$ (Ex: 1 =) 01, 2 =) 02, etc.)

How to delete all card data in safety mode



✓ How to delete individual card data in safety mode

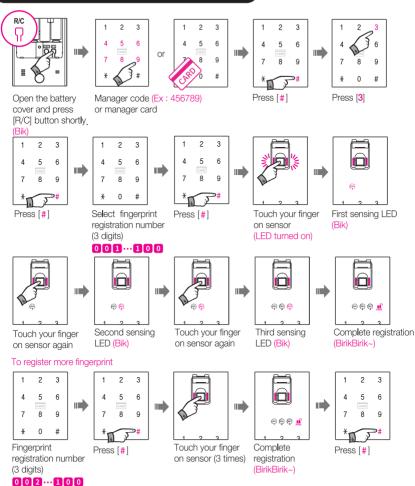
(i) It is not available to delete multiple individual card data in one time.



- To use this function, manager has to remember the exact registration number of each user card.
- If there is no card data on certain registration number, warning sound will be caused (Bik~Bik~)

•

How to register fingerprint in safety mode



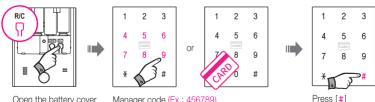
- To register multiple fingerprint, repeat to input new registration number (3 digits) and touch the another fingerprint 3 times
- To finish registration, please press [*]
- Registration number shall be three digits (001 \sim 100) (Ex : 1 \Rightarrow 001, 2 \Rightarrow 002, etc.)
 - * If the registration number is not 3digits, warning sound will be caused.



How to delete all fingerprint data in safety mode

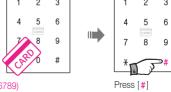


/!\ Deleted fingerprint can't be recovered



Open the battery cover and press [R/C] button shortly (Bik)

Manager code (Ex: 456789) or manager card



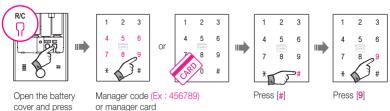


Press [6]

2 3 6 9

Press [#] (Biriririk~)

How to delete individual fingerprint in safety mode



cover and press [R/C] button for 5 seconds (Bik~Bik~)

3 3 5 6 6 9 9

Press [#]

Select fingerprint registration number (3 digits)

Press [#] (BirikBirik~)

3

6

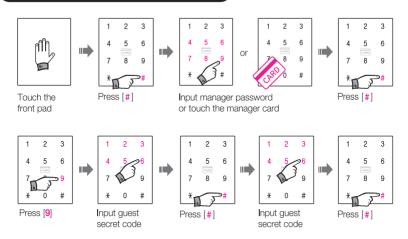
9

001...100

(!) Note

- · To use this function, manager has to remember the exact registration number of each user fingerprint.
- · If there is no card data on certain registration number, warning sound will be caused. (Bik~Bik~)

Guest secret code (Temporary use)

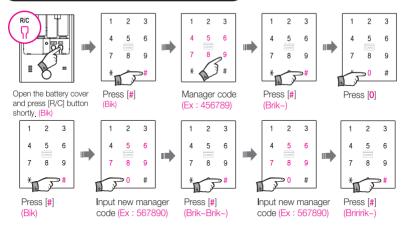


(!) Note

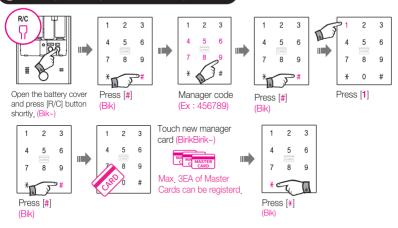
- Guest secret code is for temporary use. Once a guest open the door, this code is deleted.
- Guest secret code function is only available in safety mode.
- Only one code can be registered with 6 ~ 12 digits.
- · For guest secret code, random security coding function is not available.

How to set manager in safety mode

Ohange manager code in safety mode



Change manager card in safety mode

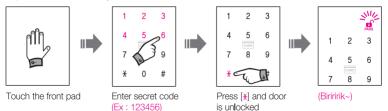


- · Only one manager code available.
- · Manager code can be registered with 6 to 12 digits.
- · Max. 3EA of manager cards can be registered.
- · Previous manager cards are deleted automatically with registration of new manager card
- To register multiple manager card, register Max. 3EA successively and press [*]



How to open from outdoor (Secret code, card, Mute function)

1. Open the door using secret code



2 Open the door using card key



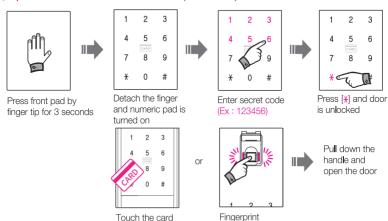
- Touch the registered card key to card contact point
- 2) Pull down the handle and open the door

3. Open the door using fingerprint



- Open the fingerprint cover, and touch the registered fingerprint on sensor
- 2) Pull down the handle and open the door

4. Open the door with mute function (No sound)



- * Mute mode is sustained for 10 seconds.
- If the door is not opened by handle after applying secret code or card key, there will be abnormal locking alarm sound.



How to lock the door from outdoor

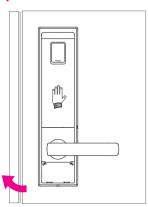
1. Lock the door at auto-locking mode



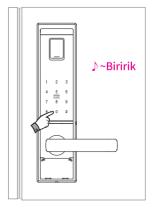
When the door is closed, it is locked automatically with beeping sound

 If the door is not closed correctly, warning sound can be caused. Please check and confirm the door closing status

2. Lock door at manual-locking mode



Close door and touch the front pad



Press 0 button, then door will be locked

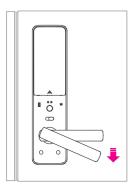
* At manual-locking mode, door is not locked automatically even though the door is closed.

① Note

· Please confirm that the door is properly closed by pulling down the handle.



How to open from indoor



PANIC RELEASE TYPE

Just pulling down the handle, door lock is opened at anytime

What's "PANIC RELEASE"?

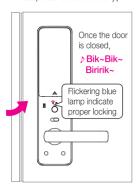
Door can be opened with simple action of pulling down the handle. Even the door lock is out of order, people can escape easily in the emergency such as fire etc.



How to lock the door from indoor

1.In auto-locking mode

When the door is closed, door is locked with beep sound automatically



2 Manual-locking mode

After closing door, press manual lock button, then door is locked with beep sound

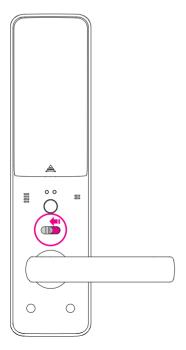


- · Before closing the door, make sure that deadbolt is not extrude.
- If the door is not closed correctly, warning sound can be caused.
 Please check and confirm the door closing status.

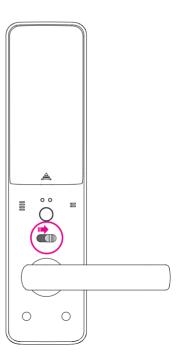


How to set double locking function

In [Double lock] mode, function of door lock is suspended and can't open the door from outside



[Double lock] mode installed (RED) Unlocking system from front body is suspended.



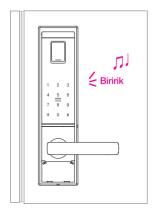
[Double lock] mode released (GREEN) Normal operation

- [Double locking] mode shall be installed after the door is closed.
- Even in [Double locking] mode, it is available to open the door from indoor by pulling down handle.
- => Panic release system
- · With pulling down handle from indoor, [Double locking] mode shall be released automatically.
- Even in [Double locking] mode, intrusion warning is working properly.
- · If the sound is set to mute, there is no status sound. Only indicating lamp is flickering.

Auto-locking system

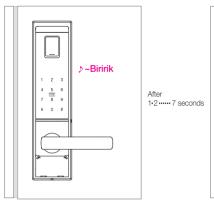
When the door is closed, it will be locked automatically (Please refer to next page for setting method)

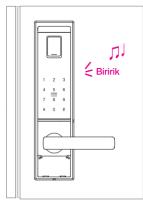




Auto-relocking system

If the door is not opened within 7 seconds after input secret code, it will be relocked automatically to protect user's property





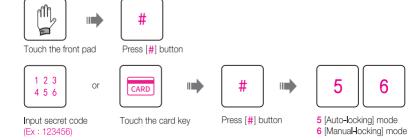
Unlock the door

Auto-relocking

- · Auto-relocking system is different from "Auto-locking".
- This is fixed function and can't be released

How to set auto/manual locking system

- In Auto-locking mode, door will be locked automatically after closing.
- In Manual-locking mode, door will be locked with pressing manual lock button after closing.

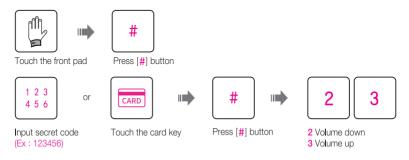


① Note

- · After setting complete, pull down the handle and close the door.
- In case of [Manual lock] mode, to make it unlocked status, door lock shall be opened by secret code, card key or indoor handle

✓ How to control volume level

Sount volume can be controlled by 8 levels. (Mute to maximum level)

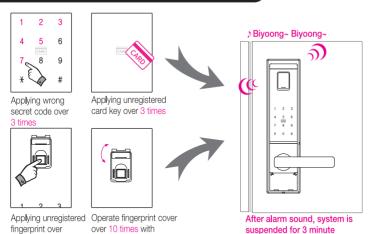


**Press 1 to make maximum level and press 0 to make mute in one time.

- In mute statue, numeric lamp is flickering with entering secret code.
- · After setting, pull down the handle and close the door.



Warning function against mischief or hacking



(

5 times

Warning alarm function against trespassing by force

no fingerorint sensing

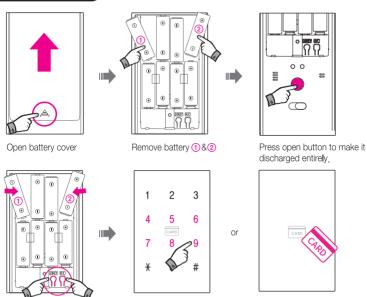
Once the door is locked, alarm system is activated in 5 seconds.

If there is any trying of trespassing by force, it is warning with strong alarm sound for 3 minutes



- · With applying wrong code for 3 times or unregistered card for 3 times, , alarm system is activated with warning sound and all the function of door lock is suspended for 3 minutes
- In case warning function against mischief/hacking is activated, it will be released after 3 minutes.
- · Warning status can be released by [Manual lock] button
- Trespass warning alarm continues for 3 minutes
- If the trespass warning alarm is released by secret code or card key, system return to normal status

System reset



Pressing both of [10Key] and [R/C] button, insert batteries one by one.

Input manager code or touch manager card.

1	2	3
4	5	6
7	8	9
*]		> #

Press [#] button for 5 seconds. System reset is completed.

No.	Item	Setting
1	Master code	Deleted
2	Master card	Deleted
3	User secret code	Deleted
4	User card	Deleted
5	Fingerprint	Deleted
6	Sound volume	Level 7
7	Auto/Manual locking	Manual locking
8	Suspend user code/card/fingerprint	Released

** After reset, all secret code, card & fingerprint are deleted. So, new secret code, card or fingerprint shall be registered for proper operation.