



S-480

DIGITAL TOUCHPAD
RIM LOCK

USER MANUAL



ALLEGION™

Product **Features**



Two way solution

Code, or card/fob can be used.



Random security coding function

When you enter your home with guests, you may not wish to show them your entry code. In this case, you may press any numbers randomly without limitation, and then enter your code as the final sequence. This allows access without revealing your entry code.



Individual management for card/fob

Individual registration or deletion of card/fob is available.



Auto lock / Auto re-lock function

When the door is closed, the lock engages automatically. If users do not open the door after unlocking it, the lock will re-engage automatically.



Double lock function

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



Trespass alarm function

If an incorrect entry code is used 3 times, the door lock function is suspended and an alarm will sound.



Free direction mortice lock type

The mortice lock used in this product can be easily adjusted to a left or right handing set-up.



Low battery indicator

Replace battery when low battery indicator light shows and alarm sounds.

Safety Precautions



Do not disassemble or alter the lock. Disassembling the door lock may damage the product. Damages to the product caused by unauthorised persons may compromise your security.



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 be severely damaged.



Please keep the product away from water or any liquids. If the product is exposed to water or liquids, please wipe the moisture off with a soft cloth. If moisture or foreign materials penetrate the product, remove the batteries immediately and contact the service agency or our customer service department for advice.



Using a product contaminated with foreign materials may also cause damage.



Please check the batteries every 6 months for leaks and to check the cleanliness of battery terminals. If leakage is discovered, please wipe out with a dry cloth and replace with new batteries. In case of exposure to leakage, wash yourself 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 of the lock 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 an 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 apply excessive force to the front cover. It may damage the product or cause a malfunction.



Do not mix old and new batteries, or use different types of batteries. Ensure the + and - ends of the batteries are positioned correctly. Incorrect positioning may cause leaks and/or an explosion.

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Basic function

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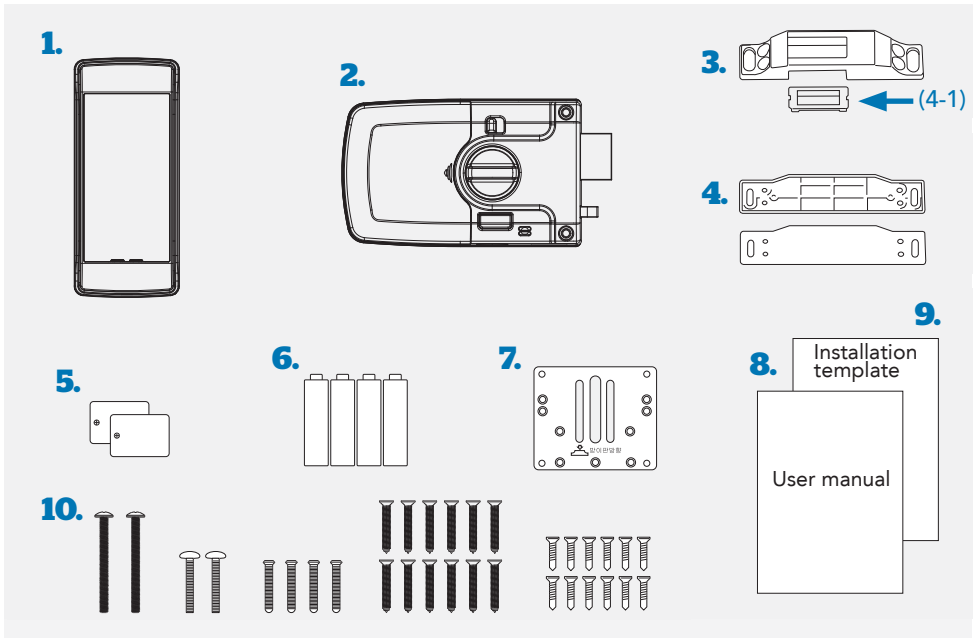
BASIC FUNCTION

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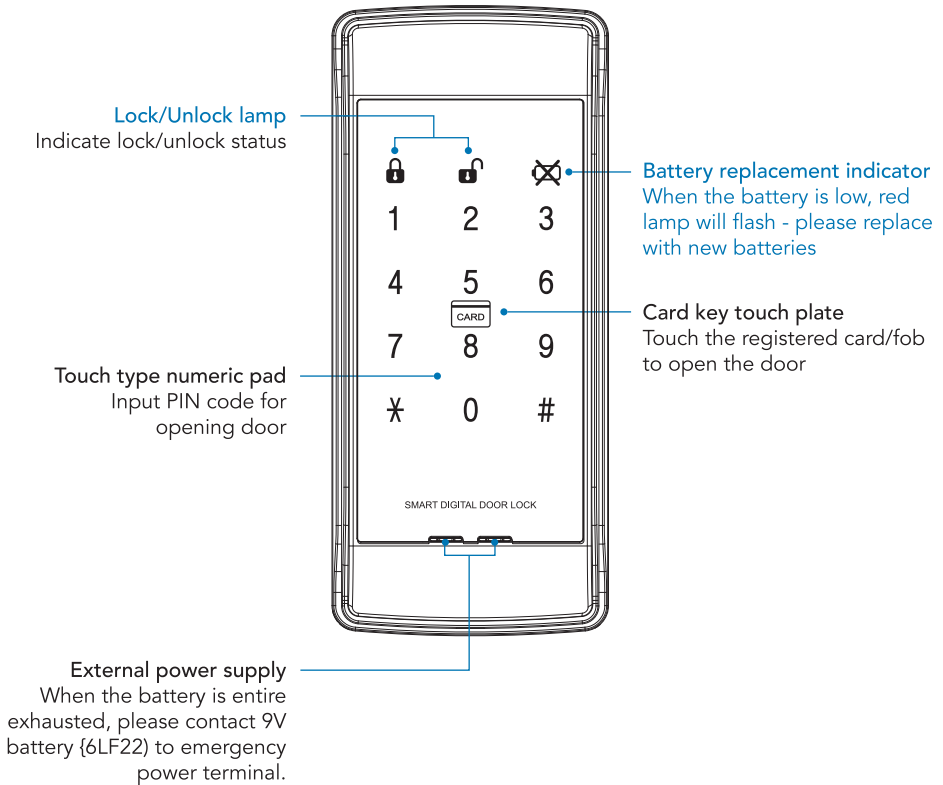
Product Components



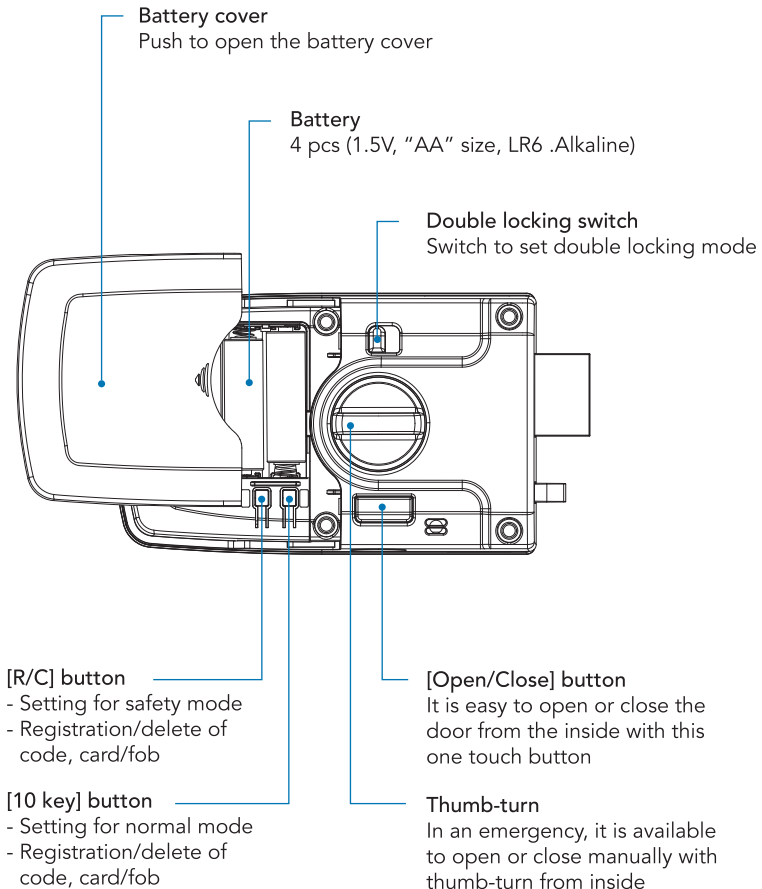
No.	Product specification	
1. Front assembly	71.8mm (W) x 163.6mm (H) x 18.4mm (D)	Incl. rubber gasket
2. Back assembly	154mm (W) x 93mm (H) x 37mm (D)	Incl. rubber gasket
3. Strike	76mm (W) x 140mm (H) x 28mm (D)	
4. Strike spacer	31mm (W) x 140mm (H) x 2mm (D) IEA 31mm (W) x 140mm (H) x 4.5mm (D) 3EA	Using for height of strike
5. Card/fob	2x Card, 2x Fob, 2x Patch	
6. Battery	4 pcs (1.5V, "AA" size, LR6 Alkaline) 77mm (W)	
7. Mounting plate	77mm (W) x 87mm (H) x 3mm (D)	
8. User manual	Main user manual	
9. Installation template	Use for making hole at the door	
10. Screw	5 x 60mm 2EA: For back cover 5 x 30mm 2EA: For back cover 5 x 29mm 4EA: For inner upper part 4 x 30mm 12EA: For front/back plate 4 x 19mm 12EA: For front/back plate	TH M5 x 60mm TH M5 x 30mm OH M5 x 29mm FH T4 x 30mm FH T4 x 19mm
11. Door thickness	For 40-50mm	

(4-1) Dead Bolt Guider: Should remove after finishing installation.

Front of **Lock**

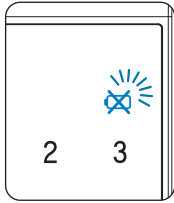


Back of **Lock**

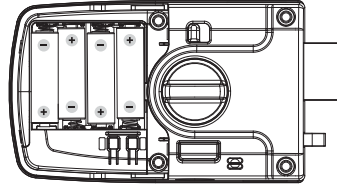


How to **Replace Batteries**

If battery lamp in RED is flashing and alarm sounding, replace all 4 batteries (1 .5V, "AA" size, LR6 Alkaline)



If battery lamp is flashing and alarm sounding



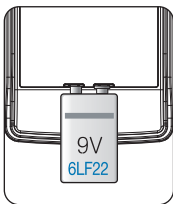
Replace batteries as shown above

NOTE

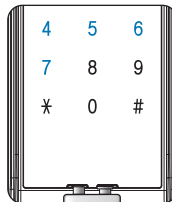
- Life of battery is around one year based on 10 entries/exits per day.
- Battery life can vary depending on battery manufacturer, production date, installation environment and usage frequency.
- Do not use rechargeable batteries. Battery leakage can be caused and it is harmful for door lock's operation.
- Please check batteries periodically (at least every 6 months) and if there is any of leakage, replace batteries.

How to Apply **Emergency Power**

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 using entry code and replace the batteries in back assembly

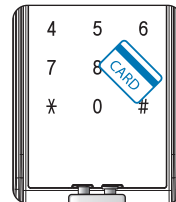


Contact 9V battery to electrode



Input entry code
e.g 123456

OR



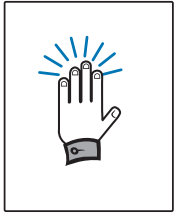
Use the card/fob

NOTE

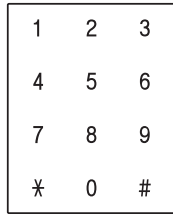
- Please use 9V battery only when batteries are exhausted entirely.
- Battery can be used with + and - either way around.

Touch-Pad & **Random Security Function**

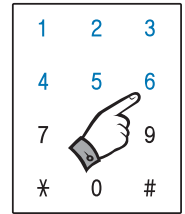
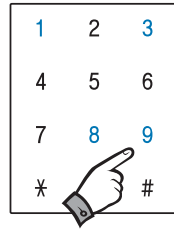
Random security coding function - Press any numbers randomly and then enter your PIN code as the final sequence. With this function, you can open the door without revealing your code to anyone



Touch the front pad



Numeric buttons are displayed



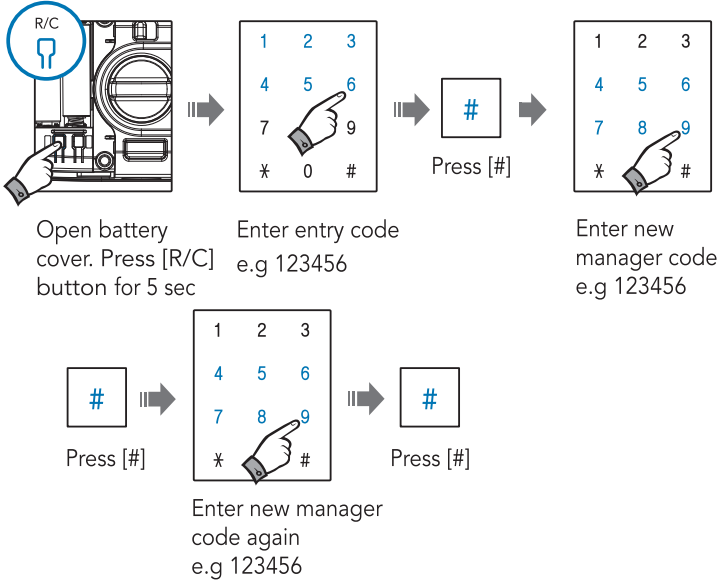
Press random code e.g 1389. Press entry code e.g 123456 and [*]. Pull down the handle, then door is opened

NOTE

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

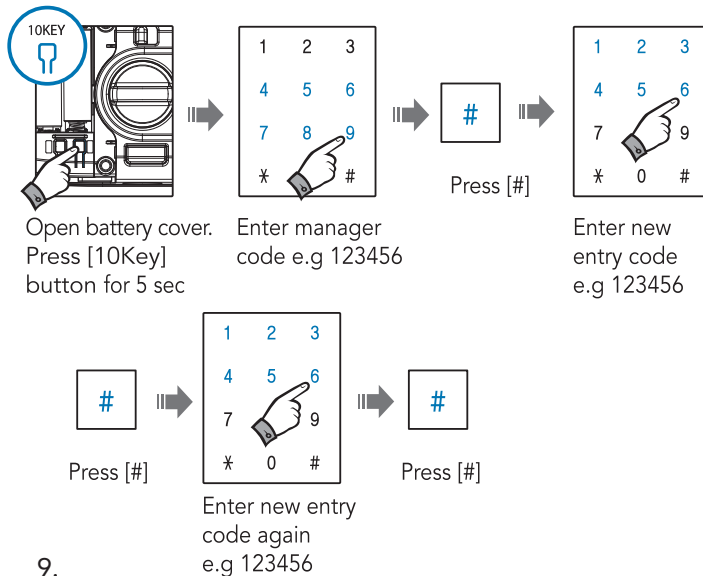
How to **Change Mode**

How to change mode (Normal mode - Safety mode)



How to **Change Mode**

How to change mode (Safety mode - Normal mode)

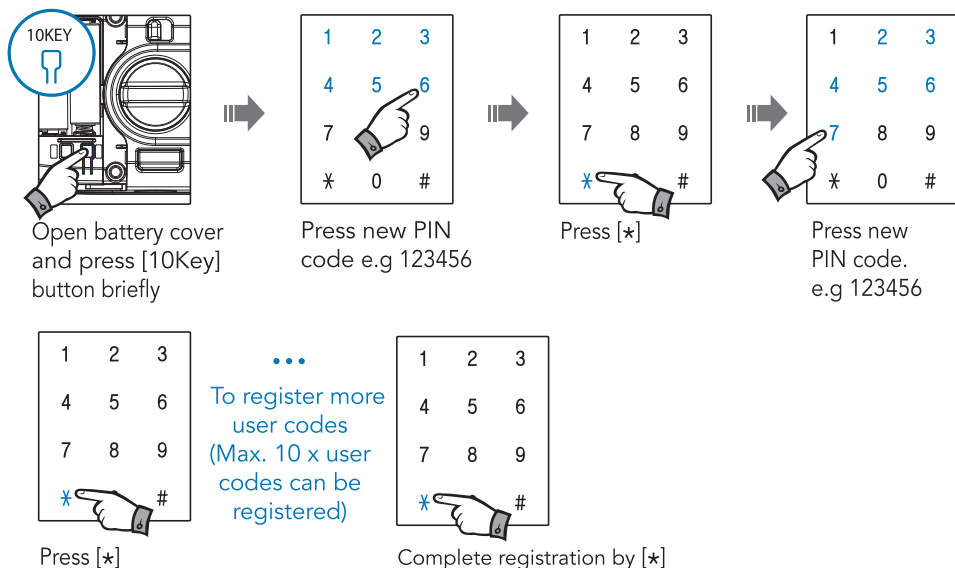


NOTE

- Manager code and manager card should be controlled by authorised person for security reasons.
- Existing entry code and card 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 which were registered at safety mode shall be deleted. Newly registered code is for usage in normal mode.
- Max. x 10 entry codes can be registered using 6 to 12 digits.
- To register multiple codes, input new user codes and press * successive.
- 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 entry code, please verify it by unlocking with new entry code.

Register PIN Code in **Normal Mode**

How to register PIN code in normal mode

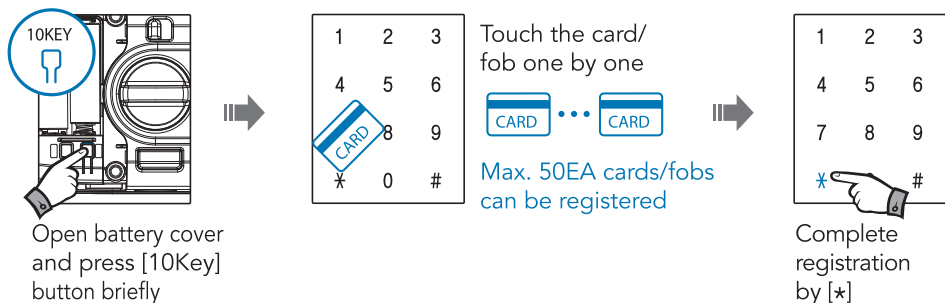


NOTE

- Factory setting (normal mode: entry code is 123456).
- Max. 10 x entry codes can be registered with 6 to 12 digits each.
- To register multiple codes, input new entry code and press [*] successively.
- Previous code is deleted automatically with registration of new code.
- Complete the change/registration of new code at door open status to prevent unintentional locking.
- After changing entry code, please verify it by unlocking with new entry code.

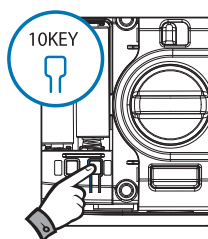
Register Card/Fob in **Normal Mode**

How to register card/fob in normal mode

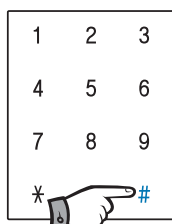


Delete all Cards/Fobs in Normal Mode

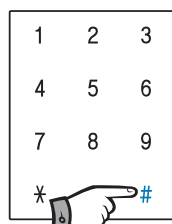
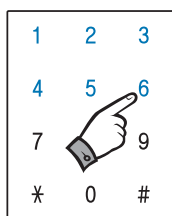
How to delete all cards/fobs in normal mode



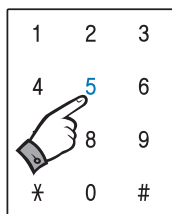
Open battery cover and press [10Key] button briefly



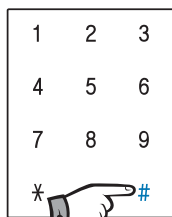
Press [#]



Press [#]



Press [5]



Press [#]

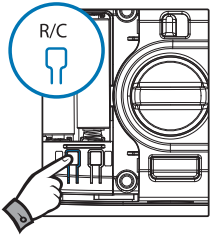


NOTE

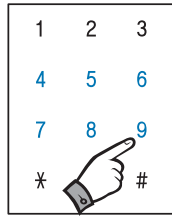
- Previous card/fob memory is deleted automatically after registration of new card.
- To register multiple entry codes, press new entry codes successively and press [*].
- To finish registration, please press [*] one more time.
- Max. 50 cards/fobs can be registered.
- For higher security, please use cards which are supplied by Schlage.

Register Entry Code in **Safety Mode**

How to register entry code in safety mode

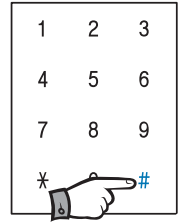
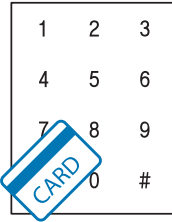


Open the battery cover and press [R/C] button briefly

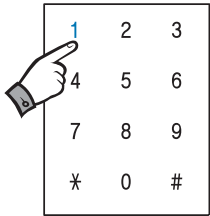


Enter registered manager code e.g 123456 or use manager card/fob

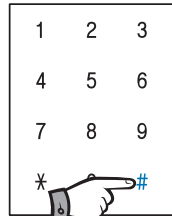
or



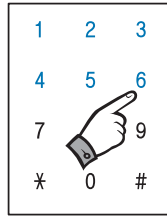
Press [#]



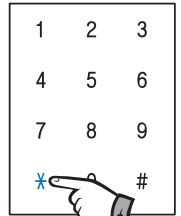
Press [1]



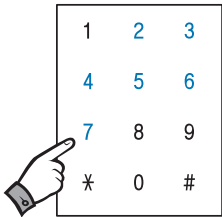
Press [#]



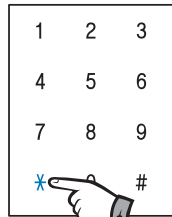
Input new user code e.g 123456



Press [*]



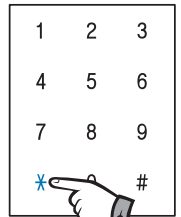
Input new user code e.g 123456



Press [*]

...

To register more user codes (Max. 10 x user codes can be registered)



Press [*] complete with sound

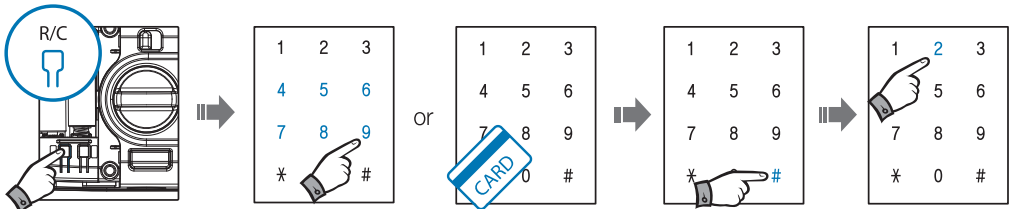
 Manager code and manager card/fob should be controlled by an authorised person for security reasons

NOTE

- Max. 10 x entry codes can be registered with between 6 to 12 digits.
- To register multiple code, input new PIN 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 user code, please verify it by unlocking with new user code.

Register Card/Fob in **Safety Mode**

How to register card/fob in safety mode

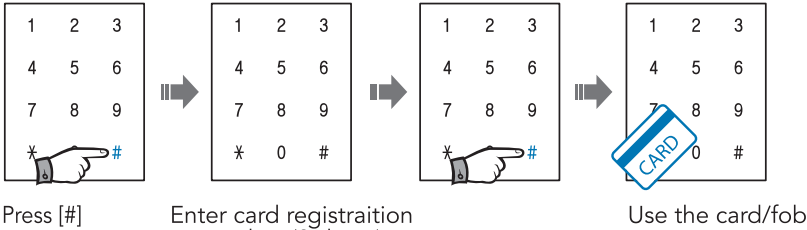


Open the battery cover and press [R/C] button briefly

Enter manager code e.g 123456 or use manager card/fob

Press [#]

Press [2]

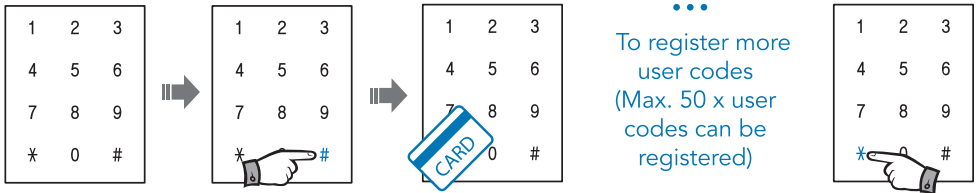


Press [#]

Enter card registration number (2 digits)

Use the card/fob

01 ... 50



Enter card registration number (2 digits) Press [#]

Use the card/fob

...
To register more user codes (Max. 50 x user codes can be registered)

Press [*] until alarm sounds

02 ... 50

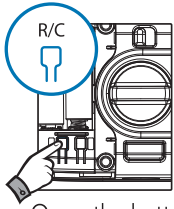
! Even though new card is registered, previous card data is not deleted. It same registration number is applied, hold registration mode until warning sounds.

NOTE

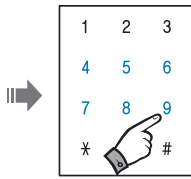
- To register multiple cards/fobs, repeat process to input new registration number and touch with new card/fob successively.
- To finish registration, please press [*] one more time.
- Registration number shall be two digits. (01 - 50) (Ex: 1 => 01, 2 => 02, etc.)

Delete all Card/Fob in Safety Mode

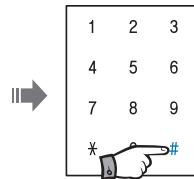
How to delete all card/fob data in safety mode



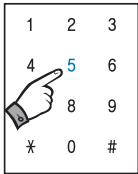
Open the battery cover and press [R/C] button briefly



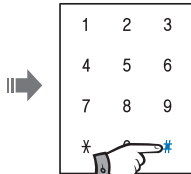
Enter manager code e.g 123456 or use manager card/fob



Press [#]



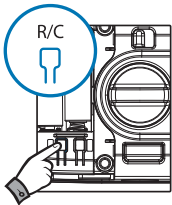
Press [5]



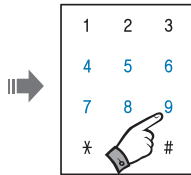
Press [#]

Delete Individual Card/Fob Data

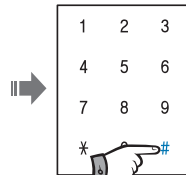
⚠ It is not possible to delete multiple individual card data at one time.



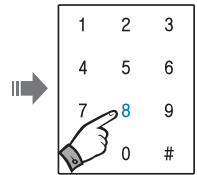
Open the battery cover and press [R/C] button briefly



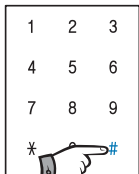
Enter manager code e.g 123456 or use manager card/fob



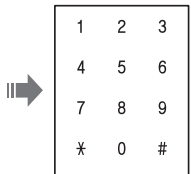
Press [#]



Press [8]

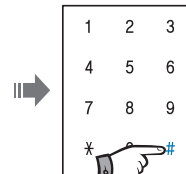


Press [#]

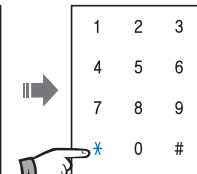


Enter manager code e.g 123456 or use manager card/fob

01...50



Press [#]



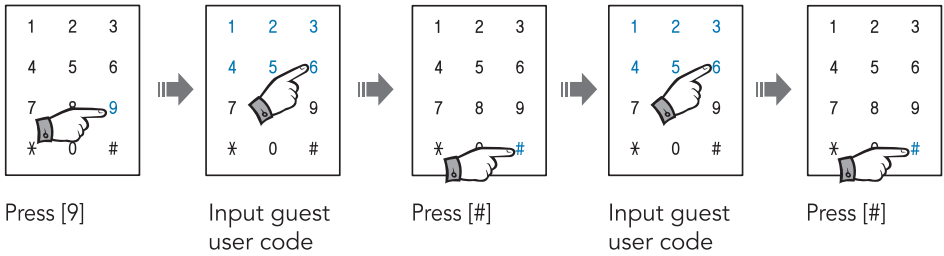
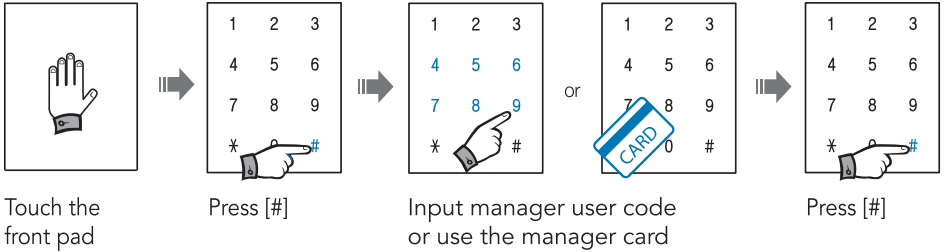
Press [*] until alarm sounds

NOTE

- 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, alarm will sound.

Guest User Code **Temporary Use**

Guest user code temporary use

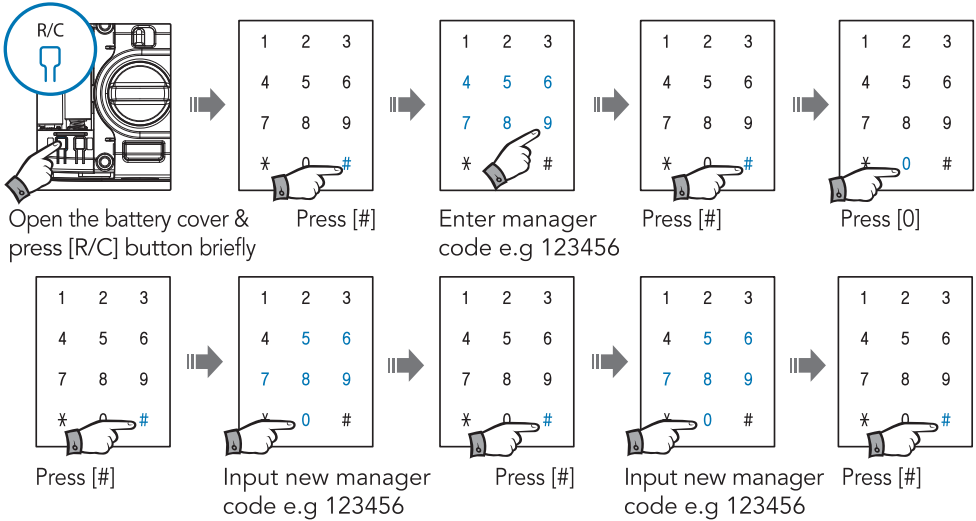


NOTE

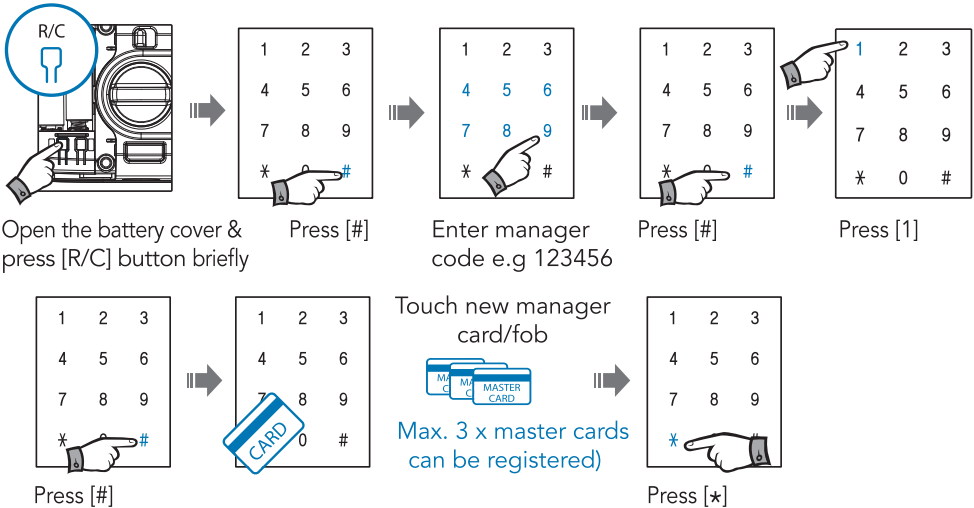
- Guest user code is for temporary use. Once a guest opens the door, this user code is deleted.
- Guest user code function is only available in safety mode.
- Only one code can be registered using 6 - 12 digits.
- For guest user code, random security coding function is not available.

Manager Code in **Safety Mode**

Change manager code in safety mode



Change Manager Card/Fob

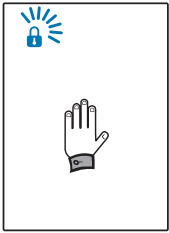


NOTE

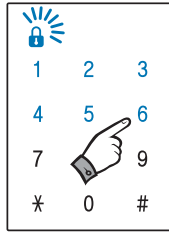
- Only one manager code available.
- Manager code can be registered using 6 to 12 digits.
- Max. 3 x manager cards can be registered.
- Previous manager cards are deleted automatically with registration of new manager card.
- To register multiple manager cards, register max. of 3 successively and press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

How to Open From Outside

1. Opening the door by user code



Touch the front pad

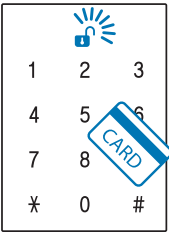


Enter user code
e.g 123456



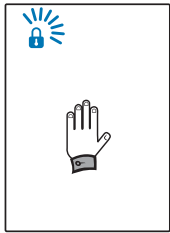
Press [*] and door
is unlocked

2. Open the door using card/fob

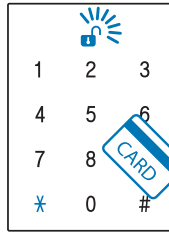


Touch the registered
card/fob to card
contact point

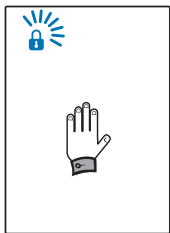
3. Open the door in mute (No sound)



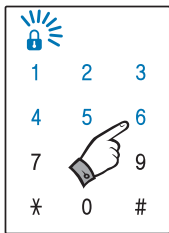
Touch the numeric
pad for about 3
seconds. Numeric
pad will flicker twice



Touch the registered
card fob to card point



Touch the numeric
pad for about 3
seconds. Numeric pad
will flicker twice



Enter user code
e.g 123456

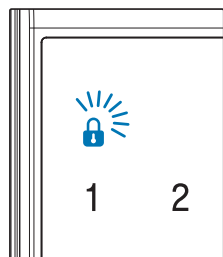


Press [*] and door
is unlocked

How to Lock The Door From Outside

1. Lock the door in auto-locking mode

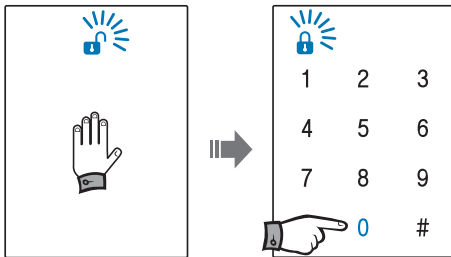
When the door is closed, it is locked automatically. This will be accompanied by a beeping sound



⚠ If the door is not closed correctly, warning alarm will sound. Please check and confirm the door is closed properly.

2. Lock door in manual-locking mode

In manual-locking mode, the door is not locked automatically even though the door is closed



Close the door and touch the front pad

Press [0] button, and the door will be locked

How to Lock The Door From Inside

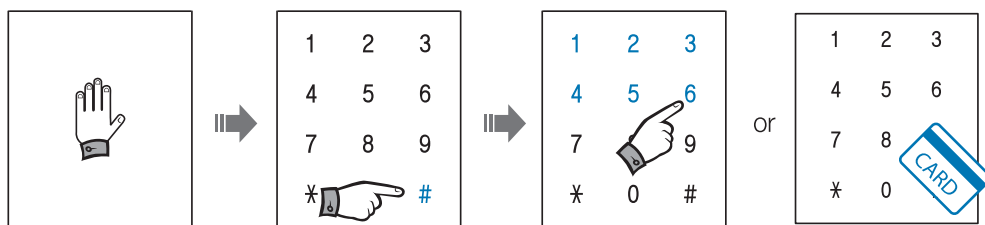
1. In auto-locking mode

When the door is closed, door is locked automatically accompanied by beeping sound

2. In manual-locking mode

After closing door, press [open/close] button, then door is locked accompanied by a beeping sound

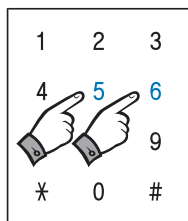
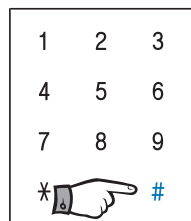
How to Set Auto/Manual Locking System



Touch the front pad

Press [#]

Input entry code e.g 123456 or use card/fob



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

Press [#]

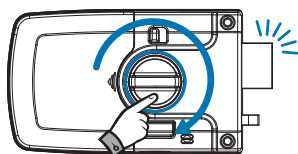
5: [Auto-locking] mode

6: [Manual-locking] mode

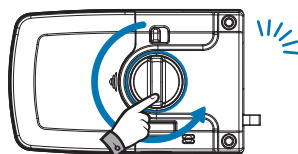
Open or Close with **Thumb-Turn**

How to open or close with thumb-turn from inside

The lock can be locked or unlocked by turning the thumb-turn



Turn clockwise to unlock

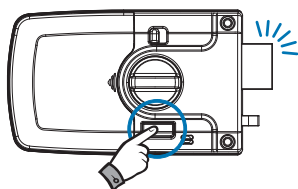


Turn counter-clockwise to lock

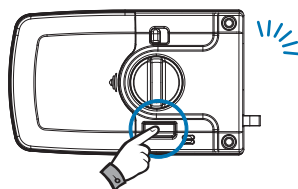
Open or Close with **Button from Inside**

How to open or close with thumb-turn from inside

If you press [open/close] button, it is locked or unlocked automatically



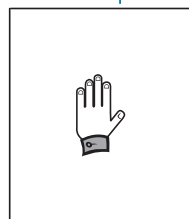
Press in locked status to unlock



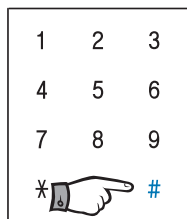
Press in unlocked status to lock

Hold or Release the **User's Code or Card/Fob**

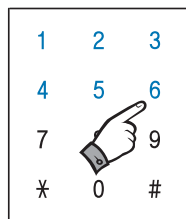
How to open or close with thumb-turn from inside



Touch the front pad

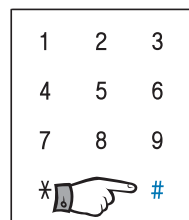
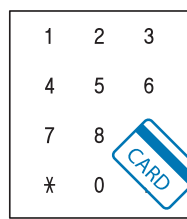


Press [#]

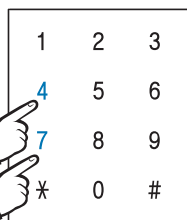


Input user code e.g 123456
or use card/fob

OR



Press [#]



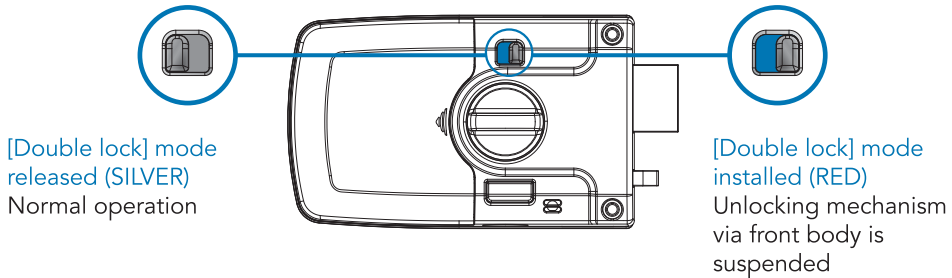
4: [Hold] mode
7: [Release] mode

How to Set **Double Locking Function**

Change manager code in safety mode

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

⚠ Please set this function after the door is closed



NOTE

- In [Double Locking] mode, you can release lock by the use of thumb-turn from the inside.
- Intrusion alarm function is still activate while in [Double Locking] mode.
- When volume is set to "mute", only the indicating light of [Double Locking] mode is active.
- [Double locking] mode can be activated when the door is open.

Auto-locking / **Auto-relocking System**

1. Auto-locking system

When the door is closed, it will be locked automatically (Please refer to page 18 for setting method)

2. Auto-relocking system

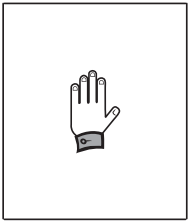
If the door is not opened within 7 seconds after user code is entered, it will be relocked automatically for security reasons

NOTE

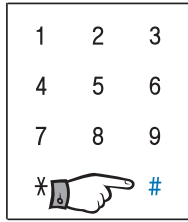
- Auto-relocking system is different from 'Auto-locking'.
- This is a fixed function and can't be disabled.

How to **Control Volume Level**

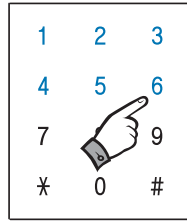
Sound volume has 8 levels (Mute to maximum level)



Touch the front pad

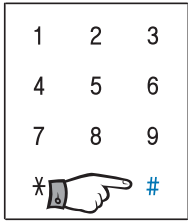
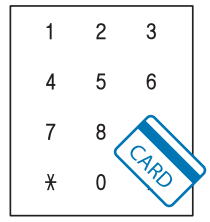


Press [#]

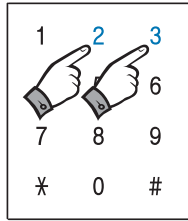


Input user code e.g 123456
or use card/fob

or



Press [#]



2: Volume down
3: Volume up

 Press 1 for maximum volume level and 0 to mute

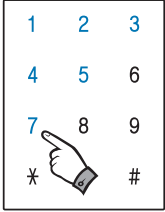
NOTE

- In mute status, the numbers will flicker when entering user code.

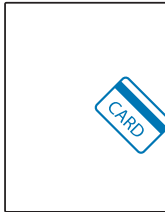
Warning against Unwarranted Entry

Warning function against unwarranted entry

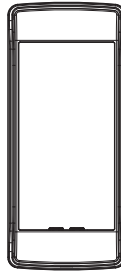
If incorrect user code or unregistered card/fob is used more than 3 times, the alarm system is activated and alarm will sound. All lock functions are also suspended for one minute



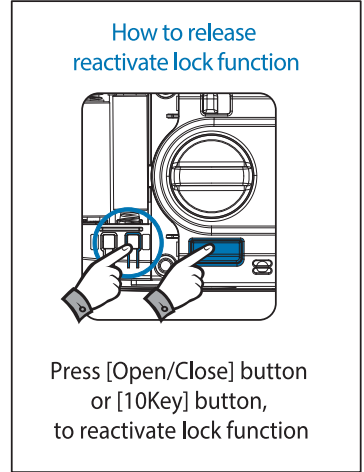
Incorrect user code entered more than 3 times



Using unregistered card key more than 3 times



After alarm sounds, - function of door lock is suspended

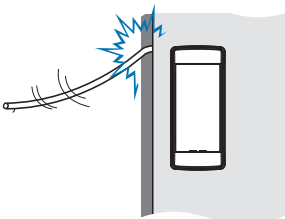


Warning against Unauthorised Entry

Warning alarm function against forced entry

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

If there is any attempt to open the lock by force, a strong alarm will sound for three minutes.

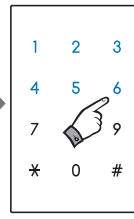


How to deactivate
alarm sound

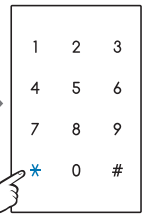


Touch the card/fob
or press [*]

or



Input user code
e.g 123456

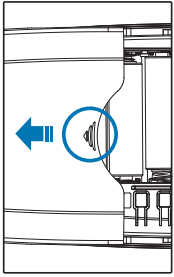


Press [*]
Alarm will cease

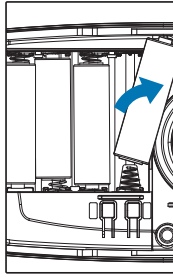
NOTE

- If the trespass warning alarm is released by user code or card/fob, system is return to normal status.
- Warning status can be released by [Manual lock] button.

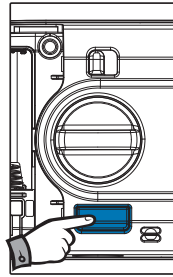
System **Reset**



Open battery cover

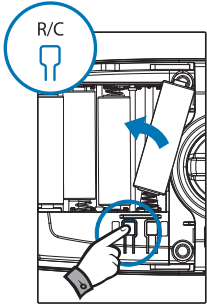


Remove battery
1 & 2

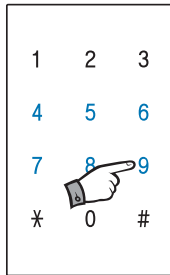


Press open button
to discharge

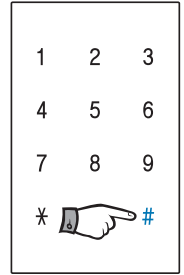
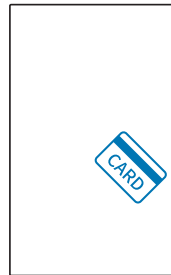
Safety **Mode**



Press [R/C] button
Insert battery

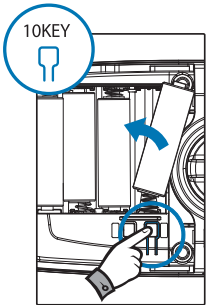


Input manager code or use manager
card/fob

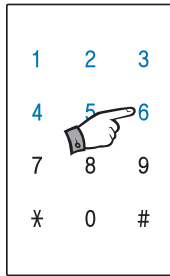


Press [#] button
for 3 seconds.
System is reset

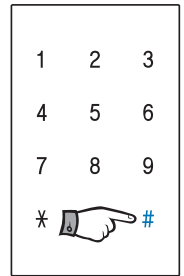
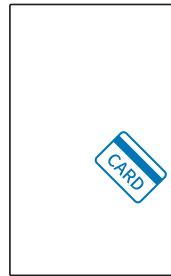
Normal **Mode**



Press [10Key] button
Insert battery



Input user code or use card/fob



Press [#] button
for 3 seconds.
System is reset

No.	Product specification	Setting
1	Master code	Deleted
2	Master card/fob	Deleted
3	User user code	Deleted
4	User card/fob	Deleted
5	Sound volume	Level 8
6	Auto/Manual locking	Manual locking
7	Suspend user code/card/fob	Released

* After reset, all user codes, cards/fobs are deleted. So, new user codes, cards/fobs need to be registered to resume operation.

MEMO

MEMO

MEMO



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