

## Opening the Door / Locking the Door

### Opening the door from outside

**Using PIN-codes**

- Touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code** and then **[\*]** button.
- The door will open with a verification sound.

**Security Random PIN-code function**  
This is a function to prevent the private PIN-code from exposing to other people, any number can be entered before or (and) after the authentic PIN-code.

**Silent Mode**  
This is a temporary function not to disturb the neighborhood owing to the button sound. Refer to the **page 16**.

**Using Card keys**

- Place the Card key to the Card key touch plate.
- The door will open with a verification sound.

**Using Fingerprints (only for applied models)**

- Put your Fingerprint to the fingerprint reading panel.
- The door will open with a verification sound.

### Locking the door from outside

**Automatic Locking Mode**

The door is automatically locked when it closes.

**Manual Locking Mode**

When the door is closed, touch the numeric touch plate for **3 seconds**, then the door is locked.

## Safety Lock Mode [Outdoors/Indoors]

### Outdoors

It is a function to prevent intruders from opening doors by manipulating an internal handle or button. Warning Alarm goes OFF for once. Warning Alarm will be released when the door is opened using the authentication method registered from outside.

**Activating Safety Lock Mod**

- When the door is locked, touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code**.
- Press **[#]** button and then number **[0]** until the buzzer "Beep" 3 times.

**Beep-Beep-Beep**

### Indoors

Door will not be opened by using authentication method from outdoors.

**Activating Safety Lock Mod**

When the door is locked, press the **[OPEN/CLOSE]** button of the inner body for **3 seconds** to activate.

**Press for 3 seconds**

**Deactivating Safety Lock Mod**

Press the **[OPEN/CLOSE]** button of the inner body shortly to deactivate.

**Pressing shortly**

## Volume Setting

### Silent Mode

This is a temporary function not to disturb the neighborhood.

- Touch the numeric touch plate gently, then the touch plate turns on.
- Press the **[#]** button.
- Enter the **registered PIN-code** with the **[\*]** button to open doors.

**No sound**

### Volume Setting

User can change the volume of the button sound.  
Available only when the door is locked.

- When the numeric touch plate is on, enter the **registered PIN-code** with the **[#]** button.
- Press the number **[3]** to increase and number **[6]** to decrease the volume.
- Press the **[\*]** button to finish the process.

## Warning Alarms

### Low Battery

If the red battery icon is ON with an alarm, please replace all batteries.

**Please do not mix old and new batteries. Make sure batteries are placed in correct poles.**

**Bi-rik Bi-rik**

### Emergency Power Use

The product will not operate if the batteries are fully discharged, please follow the steps below.

- Prepare a 9V battery. Contact the 9V battery to the emergency power supply terminal. (located above the outer body handle.)
- When the numeric touch plate is on, enter the **registered PIN-code** with the **[\*]** button.
- When the door opens, please replace the batteries immediately.

## Opening the Door / Locking the Door

### Opening the door from inside

If the door is not open for **7 seconds** after it is unlocked by using a button, the door is locked automatically in the automatic locking mode.

**Using a [OPEN/CLOSE] button**

Press the **[OPEN/CLOSE]** button when the door is locked, the door will open.

**Using a [Thumb turn] button**

Turn the **[Thumb Turn]** button of the inner body clockwise when the door is locked, then the door will open.

**Familiarize yourself with how to use the [Thumb turn] button in case of an emergency**

### Locking the door from the inside

**Automatic Lock Mode**

The door will be locked automatically when door closes.

**Manual Lock Mode**

Press the **[OPEN/CLOSE]** button, then the door will be locked.

Turn the **[Thumb turn]** button counter clockwise, then the door is locked.

## Automatic / Manual Lock Mode

### Automatic Lock Mode

**Automatic Lock Mode is the default mode. The door is automatically locked when it closes. However, make sure that the door is completely closed when going outside.**

- Press the **[OPEN/CLOSE]** button to make the dead bolt come out when the door is open.
- Touch the numeric touch plate, enter the **registered PIN-code**.
- Press the **[#]** button **twice** and then number **[4]**, it will be activated with a buzzer sound.

### Manual Lock Mode

The door will not be locked automatically when door is closed.  
Make sure that the door is completely closed when going outside.

- Press the **[OPEN/CLOSE]** button to make the dead bolt come out when the door is open.
- Touch the numeric touch plate, enter the **registered PIN-code**.
- Press the **[#]** button **twice** and then number **[7]**, it will be activated with a buzzer sound.

## Warning Alarms

### Fire Detection Alarm

When the sensor detects high temperature (60°C±5°C), the door will be automatically unlocked with a loud alarm.

**Fire Detection Alarm Off**

To deactivate the alarm, remove the battery or enter the registered PIN-codes or place the Card keys to the Card Key touch plate or put the registered Fingerprint.

**60°C**

**If the inner body is exposed to direct heat for a long time, the fire detection function may be activated.**

### Intrusion Alarm

If someone tries to break-in or damage the door by force while the door is locked, alarm goes off loudly.

**Intrusion Alarm Off**

To deactivate the alarm, remove the battery or enter the registered PIN-codes or place the Card keys to the Card Key touch plate or place the registered Fingerprint.

**80db**

### 1min. Mischief Prevention

If an attempt is made to open the door with invalid PIN-codes or Card Keys or Fingerprints **five times in a row**, the warning alarm goes off and the touch plate will not work for 1 minute.

**60s**

### Dead bolt Warning Alarm

A warning sound alarms 3 times when the dead bolt is misplaced or when it is not working properly.

**abnormal normal**

**If the warning sound alarms continuously, it requires to reinstall the door lock for adjusting to the right position.**

## Trouble Shooting

### Trouble Shooting

When the product is not working properly, check the items below. If you can't solve the problem, please contact the service center for further assistance.

Problem	Trouble Shooting
Door Lock not turning on	<ul style="list-style-type: none"> <li>Make sure the batteries are placed in correct poles(+/-).</li> <li>If the batteries are completely discharged, replace all batteries with new ones. (LR6 1.5V AA Alkaline batteries only)</li> </ul>
Cannot change PIN-codes	<ul style="list-style-type: none"> <li>Register PIN-codes again, refer to the user's manual. (page 6)</li> </ul>
Cannot change Card keys	<ul style="list-style-type: none"> <li>Register Card keys again, refer to the user's manual. (page 7)</li> </ul>
Cannot change Fingerprints	<ul style="list-style-type: none"> <li>Register Fingerprints again, refer to the user's manual. (page 9)</li> </ul>
Door won't open even the correct PIN-code was given	<ul style="list-style-type: none"> <li>Make sure you entered the correct PIN-code.</li> <li>Please check if the numeric touch plate were on when you were entering the PIN-code.</li> </ul>
Door doesn't open despite of the correct Authentication measures	<ul style="list-style-type: none"> <li>Check if the batteries are discharged, if so, use 9V batteries to open the door. (page 18)</li> <li>Check the foreign object stuck between the door and the door frame.</li> </ul>
Warning sound alarms continuously while operating	<ul style="list-style-type: none"> <li>It could be an alarm for low battery, please exchange all batteries.</li> <li>The latch bolt could have been misplaced.</li> </ul>
The door won't be locked automatically	<ul style="list-style-type: none"> <li>Reset to automatic locking mode. (page 15)</li> <li>Check if the batteries are discharged.</li> </ul>

# ForceLock User Manual

**ND-S Series**  
S200, S201, S220, S225

- A non-key door lock may be partially broken to open the door when it malfunctions.
- Retain this user manual for future reference after reading it thoroughly.

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The contents and images of this manual are subject to change without prior notice to improve the quality of the products.

## Products Specifications/Components

### Products Specifications

Model	Authentication Method				
	PIN-code (up to 10)	Card key (up to 30)	Fingerprint (up to 100)	Emergency Key (2ea)	Remote controller (Optional Features)
S200	○	○	×	×	up to 5
S201	○	×	×	×	
S220	○	○	○	×	
S225	○	×	○	×	

Description	Specification
Door Thickness	40~50mm
Rated Voltage	DC6V (LR6 1.5V AA Alkaline battery only)
Operating Temperature	-20°C~ 50°C
Temperature Sensor Operating Range	60°C (±5°C)
Material	Al, Zn, ABS

If the door thickness is out of the standard specification, please be advised from an expert for installation. The screws may differ according to the door thickness.

### Products Components

- Outer body, Inner Body
- AA batteries 4ea
- User Manual
- Remote Controller (Optional)
- Strike, Spacer
- Screws
- Installation Instruction / Installation Template

### Registration of New Authentication Measures

1. While registering authentication measures such as PIN-codes, Card keys, Fingerprints and Remote controllers, the door has to be open. Before closing the door, test first if the Dead bolt is operating properly by using [OPEN/CLOSE] button.
2. Registered authentication measures cannot be individually deleted. **When registering new authentication measures, all previously registered authentication measures will be automatically deleted. (PIN-code, Card key, Remote controller)**
3. If there were no inputs for 7 seconds after pressing the [Ⓜ] button, the touch plate will be off and the registration process will be cancelled.
4. The default PIN-code is "1234" to be operated during its initial setup.

## PIN-codes Registration/Deletion

### PIN-codes Registration

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button. **Applied for Fingerprint Mode** Open the battery cover, press the [Ⓜ] button shortly. When the Numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button and press the number [1].
2. Enter **new PIN-code (4-12 digits)** on the numeric touch plate and press the [Ⓜ] button.
3. Press the [Ⓜ] button one more time the touch plate will be off.
4. Repeat the process 2 and 3 as stated above to register more PIN-codes.

### PIN-codes Deletion

1. Open the battery cover, press the [Ⓜ] button shortly.
2. When the Numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button.
3. Press the number [6] with the [Ⓜ] button for 3 seconds, then all registered PIN-codes will be deleted.
4. After deleting all PIN-codes, the PIN-code reset as the default code "1234".

## Remote Controllers Registration/Deletion

### Remote Controllers Registration

Remote controllers are not provided with a standard package.

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button. **Applied for Fingerprint Mode** Open the battery cover, press the [Ⓜ] button shortly. When the Numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button and press the number [3].
2. Press the [OPEN] button of Remote Controller. Registering more than a Remote Controller, press the [OPEN] button of each Remote Controller.

To synchronize the password between the door lock and the remote control, you must press the button of the remote controller at least 3 times when using it for the first time, and after that, press once to open the door. When replacing the door lock battery, the remote control must be synchronized.

### Remote Controllers Deletion

When the remote controller is registered newly, all pre-registered remote controllers are deleted.

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button.
2. Press the number [8] and press the [Ⓜ] button for 3 seconds. All registered Remote Controllers are deleted with buzzer sound.

## Double Authorization Mode

### Double Authorization Mode Activation

Double Authorization Mode requires two different authentications registered to activate. (e.g. [PIN-code] + [Fingerprint], [PIN-code] + [Card Key])

1. Touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code**.
2. Press the [Ⓜ] button **twice** then press number [1].
3. Open the battery cover, press the [Ⓜ] button to finish the process, buzzer sound "Bi-ri-ri-rik".

### Double Authorization Mode Deactivation

1. Touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code**.
2. Press the [Ⓜ] button **twice** and then number [1] to deactivate double authorization mode.
3. Open the battery cover, press the [Ⓜ] button to finish the process, buzzer sound "Bi-rik".

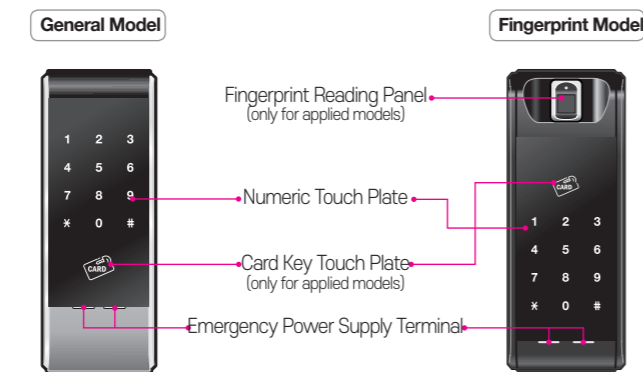
## Safety Precautions

- Read this manual carefully and use the product accordingly.
- This product was designated for the residential fire door, if it is used for other purpose, the performance cannot be warranted for its original purpose.
- Long-term exposure to direct sunlight, to moisture or to salinity may cause deformation of the product.
- Make sure that the door is completely closed when going outside.
- Do not recommend installing in condensation environments. This may cause problems with product performance.
- Do not disassemble and assemble the product in person.
- Do not use sharp objects like a drill, a pin and a screwdriver to push the touch screen, as this can damage the product.
- Do not expose PIN-codes to an unauthorized person and change them regularly.
- Do not operate the product with wet hands and do not allow water to enter the product.
- Do not insert batteries with the positive (+) and negative (-) polarities reversed. It may cause leakage, heat generation, explosion or fire.
- Replace all batteries immediately after they run out of power. (Do not use old and new batteries at the same time.)
- Use the soft dry fabrics to clean the product.
- Do not use the product for other use.

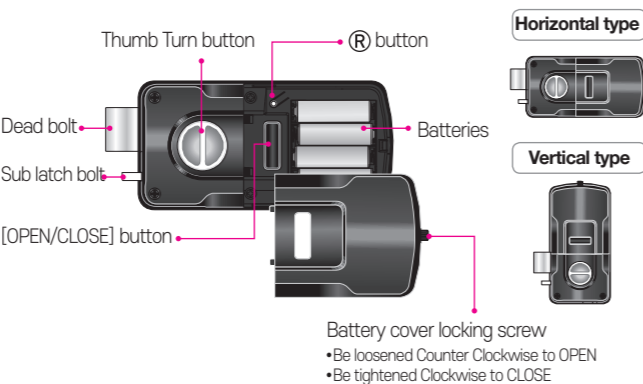
Installation of the product by an unauthorized person may result in malfunctions of the product. Installation work must be performed in accordance with the standards by authorized personnel only.

## Parts Name

### Outer body



### Inner body



\* All images shown are for illustration purposes only. Their design and colors may differ in accordance with the model.

## Card keys Registration/Deletion

### Card keys Registration

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button. **Applied for Fingerprint Mode** Open the battery cover, press the [Ⓜ] button shortly. When the Numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button and press the number [2].
2. Place all Card keys to the Card key touch plate. The sound beeps when registration of each card has been done. To register more than a Card key, make sure to place next Card key before the touch plate is off.
3. After registering all Card keys, Press the [Ⓜ] button to finish the process.

### Card Keys Deletion

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button.
2. Press the number [7] and press the [Ⓜ] button for 3 seconds then all registered Card keys will be deleted with buzzer sound.

## Fingerprints Registration/Deletion

### Fingerprint Registration

Fingerprint recognition may not be possible if the fingerprint is damaged. Fingerprint recognition may not be possible if sweat or moisture is on the fingerprint or the fingerprint reading panel. To raise the recognition rate, we highly recommend you to add same fingerprints in different conditions.

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button.
2. Press number [4], number "1 2 3" will blink. Press your finger on the panel 3 times, after the registration the buzzer will sound.
3. Press [Ⓜ] button to finish the process.

### Fingerprints Deletion

1. Open the battery cover, press the [Ⓜ] button shortly. When the numeric touch plate is on, enter the **registered PIN-code** with the [Ⓜ] button.
2. Press the number [9] and press the [Ⓜ] button for 3 seconds then all registered Fingerprints will be deleted with buzzer sound.

## Pre Authentication Mode

### Pre Authentication Mode Activation

Pre Authentication mode is default mode. Please enter the PIN-code first to enter the setting mode.

1. Touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code**.
2. Press the [Ⓜ] button **twice** then press number [8].
3. Open the battery cover, press the [Ⓜ] button to finish the process, buzzer sound "Bi-ri-ri-rik".

### Pre Authentication Mode Deactivation

1. Touch the numeric touch plate gently, then the touch plate turns on. Enter the **registered PIN-code**.
2. Press the [Ⓜ] button **twice** and then number [8] to deactivate pre authentication mode.
3. Open the battery cover, press the [Ⓜ] button to finish the process, buzzer sound "Bi-rik".