VIRDI 430FP Fingerprint Authentication Door Lock

Thank you for purchasing Union Community fingerprint recognition digital door lock. VIRDI 430FP is developed and manufactured by Union Community Co., Ltd. ISO 9001 and ISO 14001 certified company, and includes various functions that give convenience and safety in living. Using leading edge fingerprint recognition technology, VIRDI 430FP provides the security and convenience that controls access to your home or office.

- Please read this user manual carefully for safe and convenient use of the product, and operate VIRDI 430FP after you completely understand procedures to operate it.
- We are not liable for any accident or damage caused by not following the user manual properly.

MIC CE FC IPX4

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Cautionary Items for Safety

Please read the user manual carefully before using the product.

⚠ Warning

When indicated warnings are not followed, it may cause a fatality or serious injury.

⚠ Caution

When indicated cautions are not followed, it may cause a user injury or property damage.

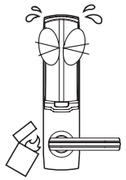
⊘ Indicates an item is prohibited

⚠ Indicates an item must be followed.

⚠Warning

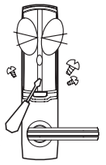
⊘ Do not place it near heat sources.

It may cause a fire.



⊘ Do not assemble, fix or modify the product without authorization.

It may cause malfunction, electric shock or fire. Contact a service center if a repair service is required.

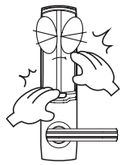


⚠ When replacing the battery, the polarity (+,-) must be observed.

If the polarity of the battery is wrong, it may cause malfunction, fire due to explosion or leakage inside of the battery. Do not mix and use new battery with old battery.

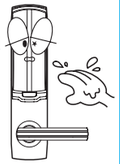
⊘ Do not let children play with the product.

It may cause a child accident or malfunction of the product.

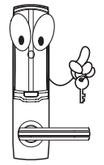


⊘ Do not operate the product with wet hand or do not let the water flow inside the product.

It may cause malfunction, electric shock.



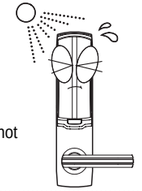
⚠ Carry the emergency key with you at all times or place it in a safe place.



⚠Caution

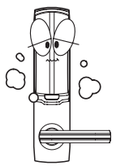
⚠ Do not expose the product under direct sunlight.

Fingerprint authentication may not work properly.



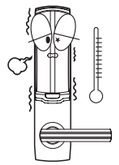
⚠ Do not install product in a place where humidity is high or there is too much dust.

It may cause malfunction.



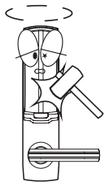
⚠ Do not install the product in a place where temperature variation is large.

It may cause malfunction.



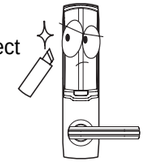
⚠ Do not impact or shake the product.

It may damage the product to cause malfunction.



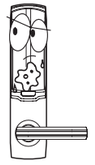
⚠ Do not let a sharp object touch the product.

It may cause malfunction.



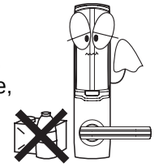
⚠ Do not make the Fingerprint Input window dirty.

Fingerprint may not be recognized properly.

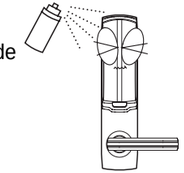


⊘ Do not pour water directly to clean or do not wipe with benzene, thinner or alcohol.

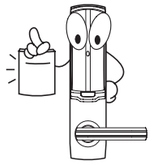
It may cause electric shock, fire.



⊘ Do not use pesticide or inflammable spray.



⚠ We are not liable for any accident or damage caused by not following the procedures in the user manual.



Items to Check When Entering Fingerprint

¡ Proper way to enter fingerprint

Using index finger, enter your finger print as if you are printing handstamp.
Touching the edge of the finger is not a proper way to register or enter.
Touch the fingerprint center to the fingerprint input window.

¡ Check if your fingerprint is not clear or has a scar.

Too dry, humid, unclear or scarred fingerprint may be difficult to be recognized.
If it occurs, use another finger to register.

¡ Cautions to take according to fingerprint condition

Depending on the fingerprint condition, it may not be possible to use or it may be inconvenient to use it.

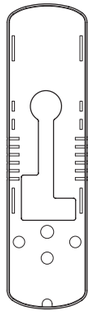
- ▶ This product operates by recognizing fingerprint, operated it with password if the fingerprint is not useable due to damaged or weak fingerprint.
- ▶ When the finger is wet, blow a breath over the fingerprint for a proper operation of the product.
- ▶ Child's fingerprint may be difficult or impossible to be used due to its small size or weakness. Child's fingerprint should be reregistered every 6 months.
- ▶ It may not be possible to register senior citizen's fingerprint if fingerprint has excessive fine wrinkles.
- ▶ It may be convenient to register 2~3 fingerprints simultaneously if fingerprint is weak.
- ▶ Registering more than 2 fingerprints is recommended.

Items to Check When Entering Fingerprint

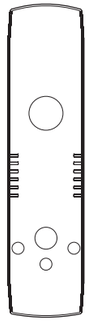
Accessories

Inside Unit Body

Outside Unit Body



Inside Unit Rubber Band



Outside Unit Rubber Band

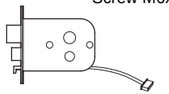
Inside Unit Body Flat Head Screw F+M5x20mm (2EA)

Inside Unit Body Round Head Screw O+M5x40mm (2EA)

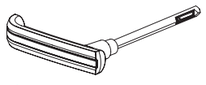
Strike Flat Head Screw (small F+U10-24x10mm) (2EA)

Mortise Lock Flat Head Screw (small F+U10-24x10mm) (2EA)

Outside Unit Handle Connecting Set Screw M6x8mm (1EA)

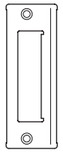


Mortise Lock



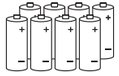
Outside Unit Handle

Strike Box

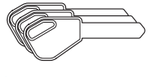


Strike

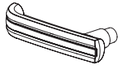
Hex Wrench



AA Battery (8EA)



Emergency Key (3EA)



Inside Unit Handle

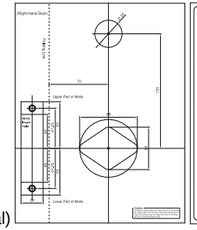
Latch Bolt Switching Pin

Hand Ring (2EA

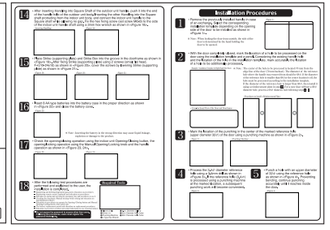
User Manual

AA Battery (2EA, Optional)

Remote Control (Optional)



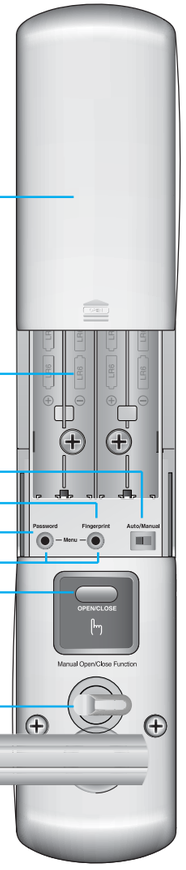
Installation Template (Both Left, Right Hand Side Door)



Installation Procedures

Parts Name

Inside Unit Body 餐



Battery Cover

Battery Insertion Location (8EA)

Automatic/Manual Conversion Switch

Fingerprint Button

Password Button

Menu Button

Opening/Closing Button

Manual Opening/Locking Lever (Opening/Locking)

Inside Unit Handle

餐 Outside Unit Body

Keypad

Fingerprint Input Window

Cover Opening Button (Authentication Button)

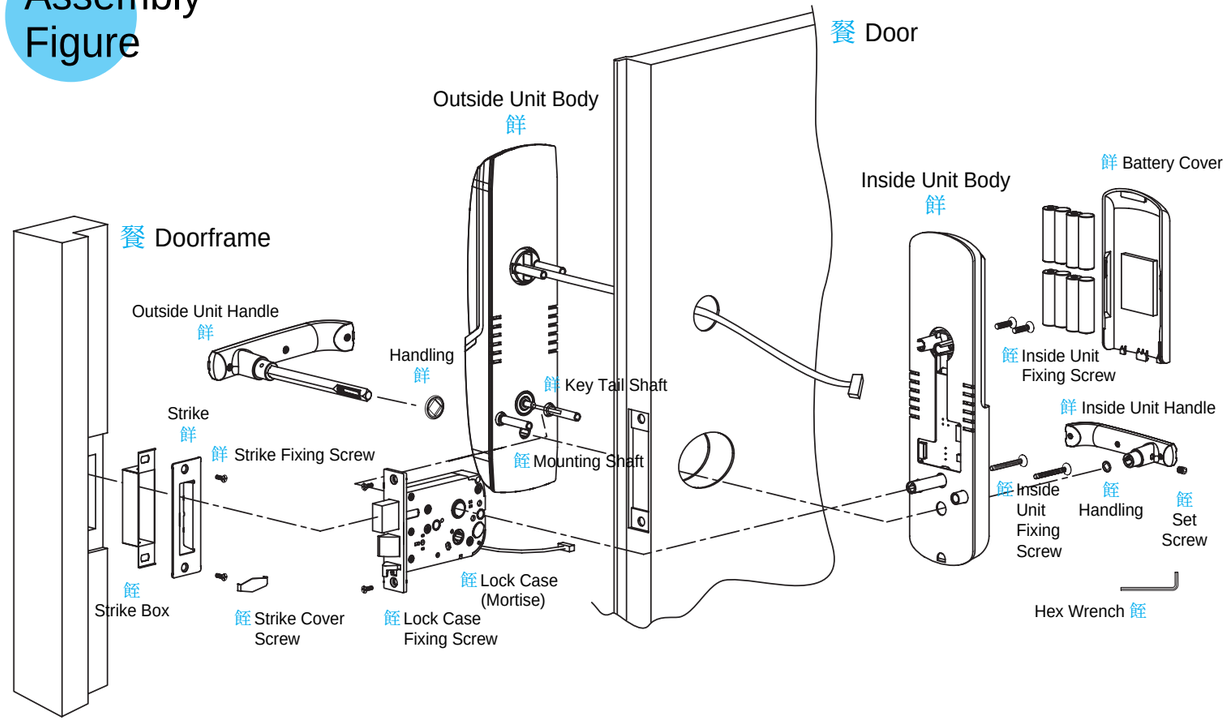
LED Status Display Window

Outside Unit Handle

Emergency Key Insertion Hole

Emergency Power Source

Assembly Figure



Cautionary Items during Installation

- ▶This product is a fingerprint recognition digital door lock that is installed at the entrance door. (Main key type)
- ▶This product can not be installed on a strengthening glass door.
- ▶If a gap is created due to high degree of bending of the installation surface, we advise you not to install the product for safety reason.
- ▶The installation of the product is not possible if an installation space is not sufficiently provided such as in chassis quality entrance door.
- ▶The installation is not possible if the inside and outside of the door is exposed like such as main gate.
- ▶The installation is possible on a wooden door but a user caution is required as it has low hardness
- ▶For a door opening on both right and left side, install the product only after fixing one side of the door.
- ▶Before installing the product, it must be considered that punched holes can not be returned to their original state when the product is removed from the door because of moving or other reasons.
- ▶Even when another person including service man installs the product, register the password yourself to prevent password exposure. We are not liable for damage caused by password exposure.
- ▶During first time installation, make sure that Door Open mode (Manual Locking) is set before you install the product and register a fingerprint.

Door Open Mode (Manual Locking)

¡ The number of registrable fingerprints

For Home Use Mode	For Office Use Mode
30 fingerprints	Master: 5 fingerprints User: 25 fingerprints

When you try to register fingerprints exceeding the upper limit, the process ends after a “beerip” sound is heard.

¡ Conversion between Home Use and Office Use

Conversion between home use and office use mode of this product is easy and convenient.

- During mode conversion, the terminal information will be initialized. Your attention is required as all the information will be erased.

[Mode Conversion Procedures]

¡ Press the Fingerprint and Password button of the inside terminal for longer than 3 seconds. After buzzer sounds “beep”,“beerip” are heard, enter the information following the procedures below.

¡ One way to tell the difference between home and office use mode is that briefly pressing the Fingerprint button will let the cover slide up to reveal the keypad and turn the LED keypad on after a “beep” sound in office use mode. In home use mode, briefly pressing the Fingerprint button will let the cover slide up to reveal the Fingerprint sensor after a “beep” sound.

[The Special Features of Office Use Mode]

- The administrator and the user are divided.
- Once an administrator is registered, only the administrator can set up or manage the terminal.
- Registering and deleting users using ID

¡ Automatic Cover Opening/Closing

The cover can be opened and closed automatically using the Cover Opening button.

¡ Function to Prohibit Opening/Closing Button Use

This function is used during sleep or in other occasions to prevent an intrusion.

¡ Keypad Backlight Function

Using a high resolution LED, the number buttons of the keypad can be easily distinguished at night.

¡ Password and User Fingerprint Storage Function

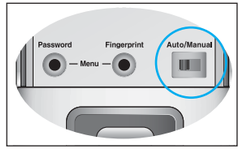
The previously registered fingerprint and password are not erased after the battery is replaced.

¡ Door Opening Check Function

After a successful authentication or pressing the Opening/Closing button from inside, it will return to the locking state if the door is not opened within 10 seconds. To close the door immediately from outside, push the Cover Opening button once again.
This function operates regardless of the state of Automatic/Manual conversion switch.

¡ Door Open (Manual Locking) Function

To open the door at all times, select the ‘Manual’ switch and leave the door open. Then, access is possible without fingerprint or password authentication every time.



- This function may be convenient but an intrusion may occur.
- It is recommended to use ‘Automatic’ mode in the Automatic/Manual Conversion switch.
- When Manual mode is set, press the Cover Opening button to lock the door from outside.

Door Open Mode (Manual Locking)

Special Features and Functions

¡ Battery Replacement Notice Function

When opening the door using fingerprint or password, a warning sound (“beep beep beep beep ~~~”) indicates that the battery needs to be replaced. Replace the battery within a week after the first warning sound is heard.

- Since the battery discharges naturally after a long period of time, it is recommended to purchase newly manufactured batteries.
- The battery life may differ depending on manufacturer, date of manufacture or use and system environment.
- After batter replacement warning sound is heard, registering and deleting function can not be accomplished.

¡ External Power Supply

When the battery replacement time is passed, the door can not be opened using fingerprint or password. The door needs to be opened using the emergency key. If the emergency key is lost or is not in your possession, the door starts operating by contacting a 9V battery (6LF22) to the input terminal of external power source.

¡ Intrusion Detection Warning Sound

An intrusion will make a warning sound (loud beep) for 5 minutes.

¡ Fire Alarm Detection Sensor

In case of fire, a warning sound (loud beep) will be heard and the door will open automatically.

¡ Access Using Password during Initialization

Make access using the initial password in the following cases.

- After purchase/On initializing the terminal/When no registered fingerprint is available and password was deleted.

Door access procedure using the initial password

- The initial password will be erased after a fingerprint or password is registered.

¡ Change the password after the installation.

¡ Battery Replacement

Check if the batteries (8 Alkaline 1.5V AA type) are included after purchase and insert them checking the proper (+,-) direction.

- If the voltage falls below the reference voltage, the red LED light on the LED status display window will blink and a warning sound (“beep beep beep···”) will be heard during authentication. After lifting the cover of the Inside Unit, separate the cover and change the battery.
- Access is not possible if the battery is completely discharged. Enter using the emergency key and replace the battery.

¡ Battery Replacement Period

The battery life is over 12 months on a basis of 20 times use per day with 8 AA 1.5V batteries. When the remote control is used, the battery life becomes over 9 months.

¡ Cautionary items when using the product

- Inserting battery with wrong polarity may cause a battery liquid leakage or explosion.
- When replacing the battery, replace all batteries simultaneously. Do not mix and use old battery with new battery.
- During fire prevention test, the temperature sensor operates around 50¡ (sensor operating temperature: approximately 50 ¡). The sensor operating temperature varies depending on the use and environment.
- Rated Voltage : DC 6V

Special Features and Functions

Managing User Fingerprint and Password

This section is divided into two parts : for home use and office use.

3.1.1 Registering Fingerprint

¡ The user registration follows the procedures below. If no previous registered user is available, skip the step 3 (Authentication of registered user).

After separating the battery cover of Inside Unit Body, press the Fingerprint button.

"beep"

The cover slides up to reveal the Fingerprint Input window.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a registered fingerprint. If no registered fingerprint is available, the step 3 is skipped.

"beeriririp", "beeriririp"

When the red light is turned on at the Fingerprint Input window, enter a fingerprint to be registered.

"beeriririp"

After a long beep tone, when the red light is turned on, enter the same fingerprint again.

If successful : "beeriripp"
If failed : "beerip"

The cover slides up to reveal the keypad, and the light is turned on in the keypad.

- *: End
- #: Additional Registration

¡ Additional Fingerprint Registration

Press the '#' button.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a fingerprint to be additionally registered for about 2 seconds.

"beeriririp"

After a "beeriririp" sound, when the red light is turned on in the Fingerprint Input window, enter the same fingerprint again.

If successful : "beeriripp"
If failed : "beerip"

The light is turned on in the keypad.

- *: End
- #: Additional Registration

- Enter a fingerprint after reading 'Items to check' on page 8.
- When entering a user fingerprint, it requires to enter twice.
- During fingerprint input process, if a fingerprint is not entered or the same finger print is not entered, the process ends with a registration failure buzzer sound ("beerip").
- Check if your fingerprint is in good condition or it is not dirty or dry before registering.
- If registering fingerprint process fails, retry it after blowing a breath over the fingerprint.

3.1.2 Deleting Registered User

1

After separating the battery cover of Inside Unit Body, press the Fingerprint button for longer than 3 seconds.

"beep", "beerip"

2

The cover slides up to reveal the Fingerprint Input window.

"beeriririp"

3

When the red light is turned on in the Fingerprint Input window, enter the fingerprint to be deleted.

4

If successful : "beeriripp"
If failed : "beerip"

The cover slides up to reveal the keypad, and the light is turned on in the keypad.

- *: End
- #: Additional Registration

Additional Deletion

5

Press the '#' button.

"beeriririp"

6

When the red light is turned on in the Fingerprint Input window, enter the fingerprint to be deleted.

7

If successful : "beeriripp"
If failed : "beerip"

- After completion, the cover will automatically be closed without a further action.
- Before deleting, check if your fingerprint is in good condition or it is not dirty or dry.
- If deleting fingerprint process fails, retry it after blowing a breath over the fingerprint.

3.1.3 Registering Password

¡ This describes steps to register a password.
Once a password is registered, access without using fingerprint is possible.

After separating the battery cover of Inside Unit Body, press the Password button.

The cover slides up to reveal the keypad.

When the light is turned on in the keypad, enter a password and then press '*' button.

After a "beeriririp" sound, press the same password and '*' button in sequence.

- One password can be designated for use. (Each user can not have its own password.)
- It is recommended to change the password periodically or frequently for security reason.
- The password can have between 4 and 20 digits. It is recommended to use more than 8 digits for security reason.
- The initial password (00000) is not considered as a registered password.
- If the process of registering password fails, a buzzer sound ("beerip") is heard and the setting process ends.
- If you need to end the process during password registration, press * # button simultaneously.

3.1.4 Changing Registered Password

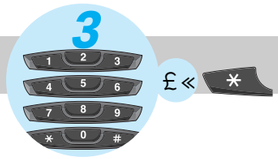
¡ Password change is possible when a password is registered in the terminal.
See page 24 on procedures to register a new password.

After separating the battery cover of Inside Unit Body, press the Password button.

"beep"

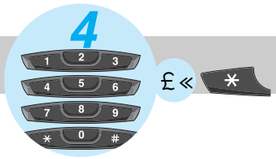
The cover slides up to reveal the keypad.

"beeriririp"



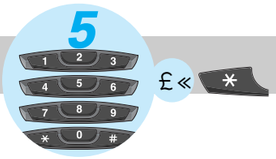
When the light is on in the keypad, enter the registered password and press the '*' button.

"beeriririp", "beeriririp"



Enter a new password and press the '*' button.

"beeriririp"

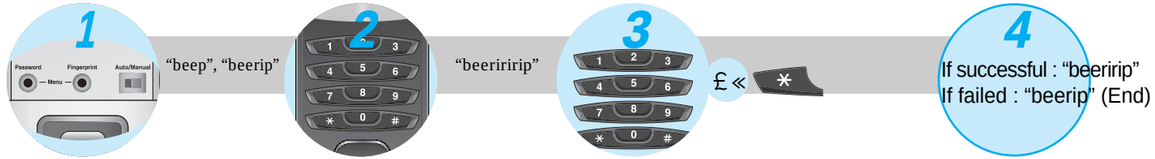


After a "beeriririp" sound, reenter the new password and '*' button in sequence.

If successful : "beeriripp"
If failed : "beerip" (End)

- Change the password periodically or frequently for security reason.
- The password can have between 4 and 20 digits. It is recommended to use more than 8 digits for security reason.
- If the process of changing password fails, a buzzer sound ("beeriririp") is heard and the setting process ends.

3.1.5 Deleting Registered Password



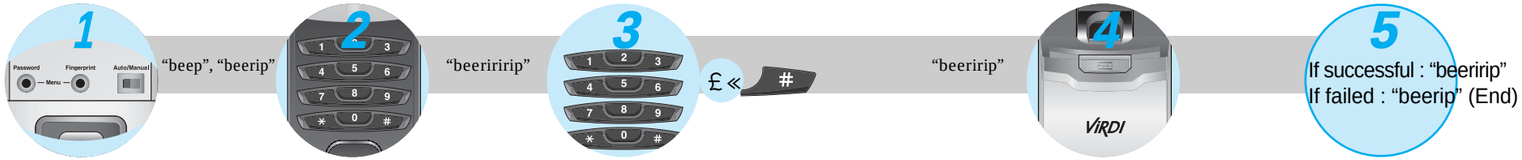
After separating the battery cover of Inside Unit Body, press the Password button for longer than 3 seconds.

The cover slides up to reveal the keypad.

After the light is turned on in the keypad, enter the password to be deleted and '*' in sequence.

3.1.6 Registering Remote Control (Optional)

¡ Up to 2 remote controls can be registered. To register 2 remote controls, purchase an additional one.



After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

The cover slides up to reveal the keypad.

Press '0,1,4,7,2,3,5,9' + '#' button In sequence.

When the blue LED light is turned on in Outside Unit Body, press the button in the remote control.

If the process fails, start over from step 1.

3.1.7 Deleting Remote Control (Optional)

¡ Up to 2 remote controls can be registered. To register 2 remote controls, purchase an additional one.

After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

The cover slides up to reveal the keypad.

Press '0,9,5,3,2,7,4,1' + '#' button in sequence.

4

If successful : "beeririp"
If failed : "beerip" (End)

If the process fails, start again from step 1.

'For Office Use'

With the administrator and user divided, only the administrator can set up and manage the terminal after an administrator is registered.

- Administrator fingerprint : 5, general user fingerprint : 25
- It is possible to register and delete a user using ID.
- Your attention is required because all the information will be erased due to the terminal initialization during mode conversion.
- For mode conversion, follow the procedures below:

- After pressing the Fingerprint and Password button of Inside Unit Body for longer than 3 seconds, enter the information following the procedures below when a buzzer sound ("beep","beerip") is heard and the cover slides up to reveal the keypad.

- If successful : "beeririp", if failed : "beerip"
- **The mode conversion process carries out the same functions as the entire initialization.**

For Office Use

3.2.1 Registering Administrator

¡ The process of registering an administrator proceeds according to the procedures below. If no registered administrator is available, step 4 (fingerprint authentication of registered administrator) is skipped.

After separating the battery cover of Inside Unit Body, press the Fingerprint button.

"beep"

The cover slides up to reveal the keypad.

"beeriririp"

Press the '6' button.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a registered administrator's fingerprint. If no registered administrator is available, the step '4' is skipped.

"beriripp"
"beeriririp"

Enter a 2-digit ID to be used by the administrator to be registered.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a fingerprint of the administrator to be registered.

"beeriririp"

After a "beeriririp" sound, enter the same fingerprint when the red light is turned on.

If successful : "beeriripp"
If failed : "beerip"

The light is turned in the keypad.

- ¡ End
- ¡ Additional Registration

¡ Registering Additional Fingerprint of the Administrator

Press the '#' button.

"beeriririp"

Enter a 2-digit ID to be used by an administrator to be additionally registered.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a fingerprint of the administrator to be additionally registered.

"beeriririp"

After a "beeriririp" sound, enter the same fingerprint when the red light is turned on.

If successful : "beeriripp"
If failed : "beerip"

The light is turned on in the keypad.

- ¡ End
- ¡ Additional Registration

- Up to 5 administrator can be registered.
- During fingerprint registration, it is required to enter the same fingerprint twice after entering a 2-digit ID.
- During fingerprint registration, if a fingerprint is not entered or the same fingerprint is not entered, a buzzer sound ("beerip") indicating fingerprint registration failure is heard and the process ends.
- If an identical ID to a previously registered ID is entered, a buzzer sound ("beerip") is heard and the process ends.
- If a fingerprint registration process fails, blow a breath over the fingerprint and retry it.

For Office Use

3.2.2 Registering User

¡ The process of registering a user proceeds according to the procedures below. If no registered user is available, the step 4 (fingerprint authentication of a registered user) is skipped.

1 After separating the battery cover of Inside Unit Body, press the Fingerprint button.

"beep"

2 The cover slides up to reveal the keypad.

"beeriririp"

3 Press the '1' button.

"beeriririp"

4 When the red light is turned on in the Fingerprint Input window, enter a registered administrator's fingerprint. If no registered administrator is available, the step '4' is skipped.

"beriripˮ "beeriririp"

5 Enter a 2-digit ID to be used by the administrator to be registered.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

"beeriririp"

6 When the red light is turned on in the Fingerprint Input window, enter a fingerprint of the administrator to be registered.

"beeriririp"

7 After a "beeriririp" sound, enter the same fingerprint when the red light is turned on.

8 If successful : "beeriripˮ
If failed : "beeripˮ

The light is turned in the keypad.

- ¡f*¡fEnd
- ¡f#¡fAdditional Registration

¡ Registering an additional user fingerprint

9 Press the '#' button.

"beeriririp"

10 Enter a 2-digit ID to be used by a user to be additionally registered.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

"beeriririp"

11 When the red light is turned on in the Fingerprint Input window, enter the fingerprint of the user to be additionally registered.

"beeriririp"

12 After a "beeriririp" sound, enter the same fingerprint when the red light is turned on.

13 If successful : "beeriripˮ
If failed : "beeripˮ

The light is turned in the keypad.

- ¡f*¡fEnd
- ¡f#¡fAdditional Registration

- During fingerprint registration, it is required to enter the same fingerprint twice after entering a 2-digit ID.
- During fingerprint registration, if a fingerprint is not entered or the same fingerprint is not entered, a buzzer sound ("beerip") indicating fingerprint registration failure is heard and the process ends.
- If an identical ID to a previously registered ID is entered, a buzzer sound ("beerip") is heard and the process ends.
- If a fingerprint registration process fails, blow a breath over the fingerprint and retry it.

3.2.3 Deleting Registered Administrator or User (Using ID)

After separating the battery cover of Inside Unit Body, press the Fingerprint button.

"beep"

The cover slides up to reveal the keypad.

"beeriririp"

Press the '3' button.

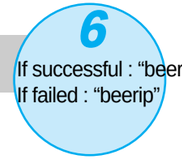
"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a registered administrator's fingerprint.

"beeririp", "beeriririp"

Enter a 2-digit ID to be deleted.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.



If successful : "beeririp"
If failed : "beerip"

The light is turned in the keypad.

- * End
- # Additional Registration

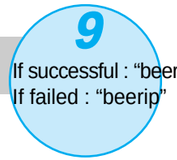
¡ Deleting an additional ID

Press the '#' button.

"beeriririp"

Enter a 2-digit ID to be deleted.

- If an ID is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.



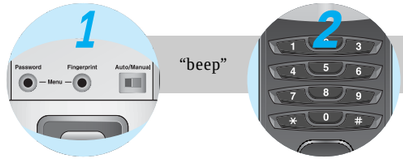
If successful : "beeririp"
If failed : "beerip"

The light is turned in the keypad.

- * End
- # Additional Registration

For Office Use

3.2.3 Deleting Registered Administrator or User (Using Fingerprint)



After separating the battery cover of Inside Unit Body, press the Fingerprint button.

"beep"

The cover slides up to reveal the keypad.

"beeriririp"

Press the '2' button.

"beeriririp"

When the red light is turned on in the Fingerprint Input window, enter a fingerprint to be deleted.

If successful : "beeriripp"
If failed : "beerip"

The light is turned on in the keypad.
- ¡f# ¡f End ("beeriripp")
- ¡f# ¡f Additional Deletion

Additional Deletion

Press '#' button.

"beeriripp"

When the red light is turned on in the Fingerprint Input window, enter a fingerprint to be deleted.

If successful : "beeriripp"
If failed : "beerip"

3.2.4 Registering Password

¡ This describes procedures to register a password.
Once the password is registered, access is possible without using a fingerprint.

Press the Password button of Inside Unit Body.

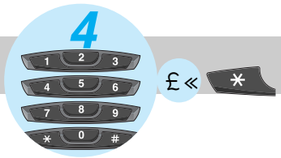
"beep"

The cover slides up to reveal the keypad.

"beeriririp"

Press the '4' button.

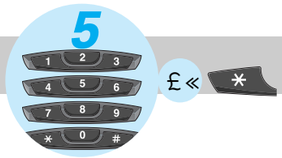
"beeriririp"



Enter a password to be used and press the '*' button.

- If a password is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

"beeriririp"



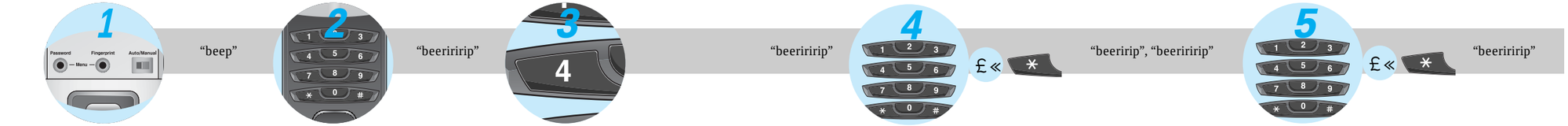
After a "beeriririp" sound, reenter the same password and press '*' button.

If successful : "beeriripp"
If failed : "beerip"

For Office Use

3.2.5 Changing Registered Password

¡ The process of changing the password is possible when a password is registered.
(See page 38)



After separating the battery cover of Inside Unit Body, press the Fingerprint button.

The cover slides up to reveal the keypad.

Press the '4' button.

Enter a registered password and press the '*' button.

- If a password is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

Enter a new password and press the '*' button.

- If there is no input within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

After a "beeriririp" sound, enter the same number again and press the '*' button.

- One password can be designated for use. (Each user can not have its own password.)
- It is recommended to change the password periodically or frequently for security reason.
- The password can have between 4 and 20 digits. It is recommended to use more than 8 digits for security reason.
- The initial password (00000) is not considered as a registered password.
- If the process of registering password fails, a buzzer sound ("beerip") is heard and the process ends.
- If you need to end the process during process, press * # button simultaneously.

For Office Use

3.2.6 Deleting Registered Password

¡ The process of deleting password is possible when a password is registered. (See page 38)

After separating the battery cover of Inside Unit Body, press the Fingerprint button.

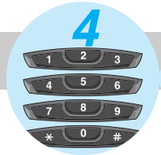
"beep"

The cover slides up to reveal the keypad.

"beeririrp"

Press the '5' button.

"beeririrp"



Enter a registered password and press the '*' button.

- If a password is not entered within 5 seconds, a buzzer sound ("beerip") is heard and the process ends.

3.2.7 Registering Remote Control (Optional)

¡ Up to 2 remote controls can be registered. To register 2 remote controls, purchase an additional one.

After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

"beep", "beerip"

The cover slides up to reveal the keypad.

"beeririrp"

Press '0, 1, 4, 7, 2, 3, 5, 9' + '#' button.

"beeririrp"

When the blue LED light of Outside Unit Body is turned on, press the remote control button.

If the process fails, start over from step 1.

For Office Use

3.2.8 Deleting Remote Control (Optional)

¡ Up to 2 remote controls can be registered. To register 2 remote controls, purchase an additional remote control.

After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

The cover slides up to reveal the keypad.

Press '0, 9, 5, 3, 2, 7, 4, 1' + '#' button.

If the process fails, start over from step 1.

Using the Product

Identical for Both Home and Office Use

Using the Product

4.1 Access Using Fingerprint (Identical for both home and office use)

1 Press the ‘Cover Opening’ button.

2 With a “beep” sound, the cover slides up to reveal the Fingerprint Input window.
- ƒWait for 5 seconds.

3 A fingerprint authentication starts if a finger touches the Fingerprint Input window within 5 seconds. If successful, a buzzer sound (“beeririp”) is heard and the Lock is canceled.
Turn the handle and enter.

- ƒIf an authentication process fails, a buzzer sound (“beerip”) is heard.
- ƒIf a fingerprint is not entered in the Fingerprint Input window within 5 seconds, the cover closes itself.
- ƒIf the ‘Cover Opening’ button is pressed within 5 seconds, a password input process is started.

4.2 Access Using Password (Identical for both home and office use)

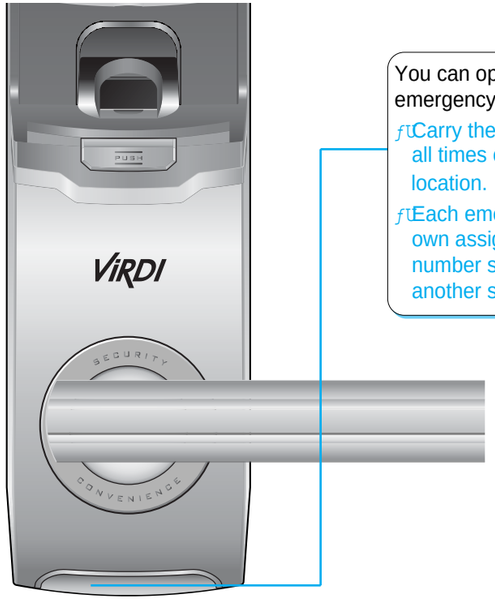
1 Press the ‘Cover Opening’ button for longer than 2 seconds.

2 With a “beep”,”beerip” sound, the cover slides all the way up to reveal the keypad.
- ƒBriefly (within 1 second) pressing the ‘Cover Opening’ button will let the cover slide up to reveal the Fingerprint Input window. Within 5 seconds of standby time from this state if the ‘Cover Opening’ button is pressed, the cover slides up to reveal the keypad.
- ƒWith the cover up, if a password is not entered within 5 seconds, the cover slides down.

3 When the light is turned on in the keypad, press * button after entering a password.
If successful, a buzzer sound (“beeririp”) is heard and locking is cancelled. Turn the handle and enter.

- ƒIf an authentication process fails, a buzzer sound (“beerip”) is heard.
- ƒPress # button and enter a registered fingerprint to try a fingerprint authentication while the keypad light is on.

4.3 Access Using Emergency Key (Identical for both home and office use)



You can open the door using the emergency key provided with the product.

- Carry the emergency key with you at all times or keep it in a safe outside location.
- Each emergency key provided has its own assigned number. Keep this number since it is required to obtain another set of emergency key.

Emergency Key Insert Hole

4.4 Access When Access Control Is Set (Identical for both home and office use)

1 Press the 'Cover Opening' button for longer than 2 seconds.

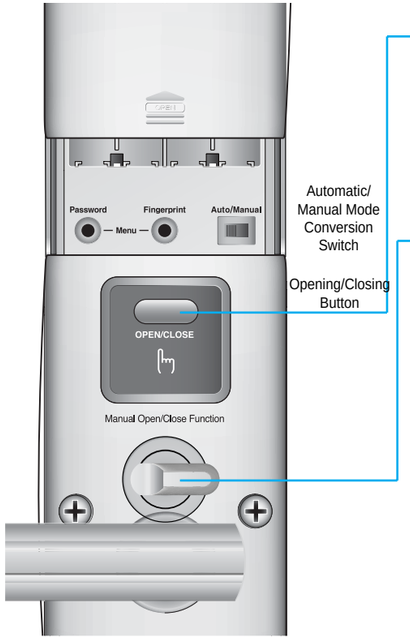
2 With a "beep", "beerip" sound, the cover slides all the way up to reveal the keypad.

- With the cover up, if a password is not entered within 5 seconds, the cover slides down.

When the light is turned on in the keypad, enter a password and press * button. If successful, a buzzer sound ("beeririp") is heard and locking is cancelled.

- If an authentication fails, a buzzer sound ("beerip") is heard.
- If access control is set, access using a registered fingerprint or password is not possible.
- If access control is set, the Opening/Closing button of Inside Unit Body can not be used.
- See page 54 ~ 57 on how to set up and cancel access control.

4.5 Opening the Door from Inside (Identical for both home and office use)



Automatic/ Manual Mode Conversion Switch

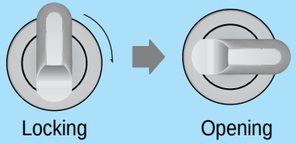
Opening/Closing Button

Press the Opening/Closing button.

ƒ The Opening/Closing button can be used when access control is not set and the Opening/Closing button use is not prohibited. To use this button, cancel access control and Opening/Closing button use prohibition function.

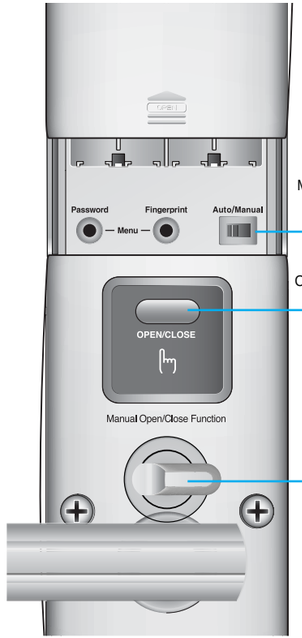
Turn the Manual Opening/Locking knob to the Opening position. The figure below corresponds to a left hand door. The direction of the Manual Opening/Locking knob of a right hand door is opposite.

Manual Opening/Locking Knob



Press the OPEN button in the remote control. The door will open within 3 seconds. See page 28 on how to register remote control.

4.6 Locking the Door from Inside (Identical for both home and office use)



Automatic/ Manual Mode Conversion Switch

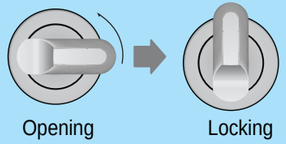
Opening/Closing Button

If Automatic Locking is set, the door will be locked automatically without further action.

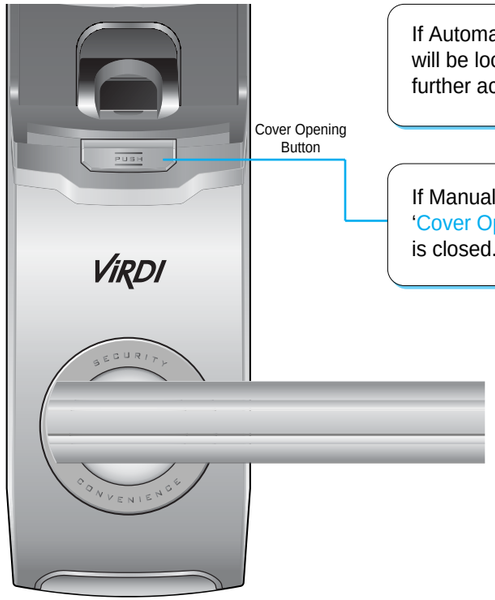
If Manual Locking is set, press the Opening/Closing button after the door is closed.

Turn the Manual Opening/Locking knob to the Locking position. The figure below corresponds to a left hand door. The direction of the Manual Opening/Locking knob of a right hand door is opposite.

Manual Opening/Locking Knob



4.7 Locking the Door from Outside (Identical for both home and office use)



Cover Opening Button

If Automatic Locking is set, the door will be locked automatically without further action after the door is closed.

If Manual Locking is set, press the 'Cover Opening' button after the door is closed.

Additional Functions

Identical for Both Home and Office Use

Additional Functions

5.1 Setting Access Control

¡ Access control is a function that allows access only with the registered access number.
It is useful while you are away for long or when password exposure is feared.
(Identical for both home and office use)

"beep", "beerip"

After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

"beeriririp"

The cover slides up to reveal the keypad.

Press the '7' button.

"beeriririp"

"beeririp"

When the red light is turned on in the Fingerprint Input window, enter a registered user's fingerprint (home use) or an administrator's fingerprint (office use).

£« *

"beeriririp"

When the light is turned on in the keypad, enter the access control number and press '*' button.

£« *

After a "beeriririp" sound, reenter the same number and press the '*' button.

7

If successful : "beeririp"
If failed : "beerip" (End)

- If a fingerprint of a user (home use) or administrator (office use) is not registered, setting access control is not possible.
- If access control is set, access with fingerprint or password is not possible.
- If access control is set, the Opening/Closing button of Inside Unit Body can not be used.
- If access control is set, no setting process except canceling process can be accomplished.
- The access control number can have up to 20 digits. (Using more than 8 digits is recommended.)
- To end the process during access control number registration, press * # button simultaneously.
- Registering a password currently in use as an access number is not possible.

5.2 Canceling Access Control

¡ Canceling access control without administrator or user authentication is possible.
A special caution must be taken not to expose the access control password.

After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

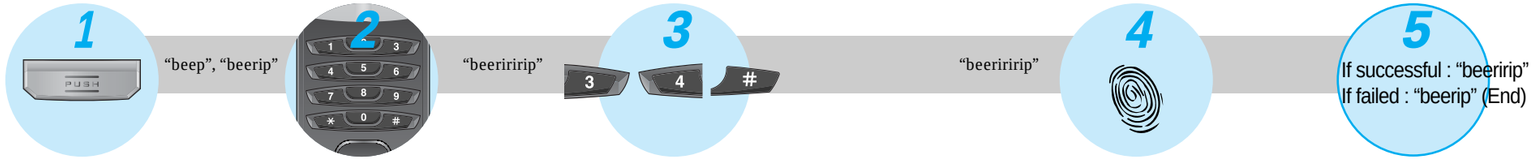
The cover slides up to reveal the keypad.

Press the '8' button.

When the light is turned on in the keypad, enter the access control number and press '*' button.

5.3 Setting Prohibition on Opening/Closing Button Use

¡ This prevents an intruder from pressing the Opening/Closing button on Inside Unit Body through an insert hole (for newspaper or milk) in the door. When this function is set, the Opening/Closing button on Inside Unit Body can not be used.
(Identical for both home and office use)



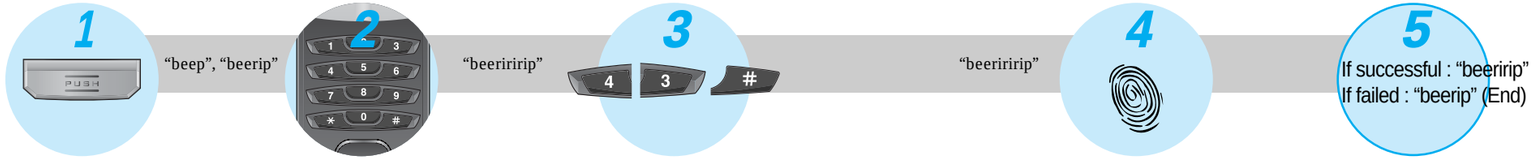
Press the 'Cover Open' button of Outside Unit Body for longer than 2 seconds.

The cover slides up to reveal the keypad.

Press the '3', '4', '#' button in sequence.

When the red light is turned on in the Fingerprint Input window, enter a registered user's fingerprint (home use) or an administrator's fingerprint (office use).

5.4 Canceling Prohibition on Opening/Closing Button Use



Press the 'Cover Open' button of Outside Unit Body for longer than 2 seconds.

The cover slides up to reveal the keypad.

Press the '4', '3', '#' button in sequence.

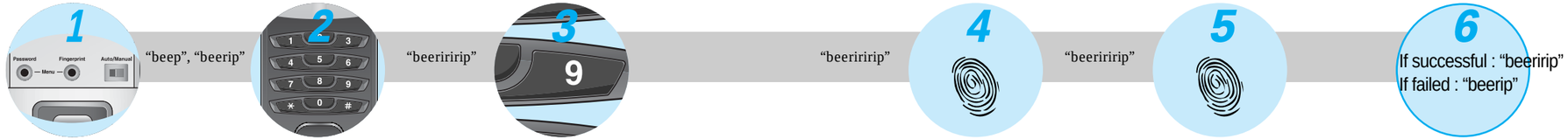
When the red light is turned on in the Fingerprint Input window, enter a registered user's fingerprint (home use) or an administrator's fingerprint (office use).

- If a fingerprint of a user (home use) or administrator (office use) is not registered, setting prohibition on the Opening/Closing button use is not possible.
- When the setting is finished, a buzzer sound ("beeriririp") is heard.
- When access control is set, this function is set automatically.
- To end the process during setup, press * # button simultaneously.

Additional Functions

5.5 Fingerprint Testing

¡ A fingerprint can be tested before registration or authentication.
(Identical for both home and office use)



After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

The cover slides up to reveal the keypad.

Press the '9' button.

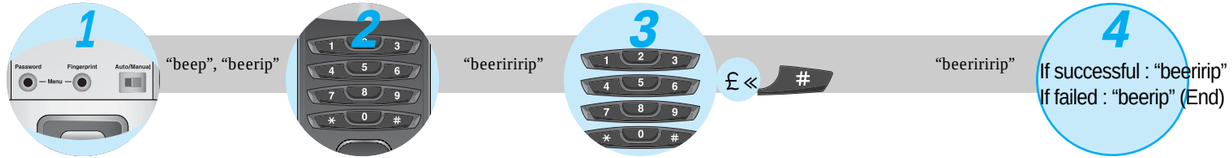
When the red light is turned on in the Fingerprint Input window, enter a fingerprint to be tested.

After a "beeriririp" sound, detach the finger and enter the same fingerprint when the red light is turned on.

¡f* ¡flEnd
¡f# ¡fAdditional Testing

5.6 Sound Setting

¡ The sound volume is set in the middle at the time of purchase.
The sound volume level has 3 steps to adjust. (Identical for home and office use)



After separating the battery cover of Inside Unit Body, press the Password and Fingerprint button simultaneously for longer than 3 seconds.

The cover slides up to reveal the keypad.

Press the '0, 3, 2, 5, 6, 8, 7 + 0(mute), 1(low), 2(middle), 3(high)' + '#' button in sequence.

- Press # button to test another fingerprint.
- Press * button to end fingerprint testing.
- Fingerprint testing requires entering the same fingerprint twice.
- Before testing, check if the fingerprint condition is good or finger is not dirty or dry.
- If a fingerprint test fails, retry it after blowing a breath over the fingerprint.
- When sound is muted, registration sound and warning sound will not be heard.

Additional Functions

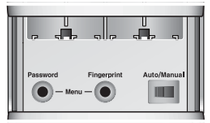
5.7 Canceling Intrusion Detection Warning Sound

¡ If the door is opened forcefully, a warning sound (loud beep) is played for 5 minutes. (Identical for both home and office use)

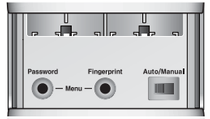
After separating the battery cover of Inside Unit Body, press Fingerprint or Password button to stop the warning sound from inside.

Authenticate a registered fingerprint or press the password to stop the warning sound from outside.

5.8 Setting Automatic/Manual Locking



When the door is closed, move the Automatic/Manual switch to Automatic position as shown in the figure to start automatic locking. It is preferable to use automatic locking.



When the door is closed, move the Automatic/Manual switch to Manual position as shown in the figure to start manual locking.

5.9 Product Initialization

¡ If the terminal is initialized, it returns to the original state at the time of the purchase.
¡ A caution is required as all information will be erased during initialization. (Identical for both home and office use)

1

After separating the battery cover of Inside Unit Body, press 'fingerprint' and 'password' button simultaneously for longer than 3 seconds.

2 After a "beep", "beerip" sound, the cover slides up to reveal the keypad. After a "beeriririp" sound, enter the following numbers in sequence.

If successful : "beeririp"
If failed : "beerip" (End)

• To check the completion of an initialization process, press the Cover Opening button. Then a buzzer sound "beerip beerip beerip" will be heard.

Additional Functions

5.10 Prank Prevention

¡ When the door lock is operated improperly from outside, the door lock operation will be blocked with a warning sound. (Identical for both home and office use)

Cover operation error (A warning sound is played for 10 seconds.) When the cover is opened or closed for more than 3 times without entering a password, a warning sound is heard and the door lock operation is stopped for 1 minute. With the door lock operation being suspended, a “beep” sound is heard every 10 seconds and after 1 minute, a “beeririrp” sound is heard and the door lock operation resumes.

Password error (A warning sound is played for 10 seconds)
When entering an unregistered password for more than 3 times, a warning sound is heard and the door lock operation is stopped for 1 minute. With the door lock operation being suspended, a “beep” sound is heard every 10 seconds and after 1 minute, a “beeririrp” sound is played and the door lock operation resumes.

Procedures to cancel waning sound

ƒ From inside
Press the Opening/Closing button of Inside Unit Body to cancel warning sound.

ƒ From outside
Enter a registered fingerprint or password to cancel warning sound. (Canceling warning sound and prank prevention is valid during 10 seconds when a warning sound is being played.)

Supplement

Summary of Menu Setting (For Home and Office use) / FAQ

Supplement / Menu Setup For Home Use

User (first time) Fingerprint Registration 20~21 Page

Fingerprint button | Fingerprint Input window open | Enter the first fingerprint | Reenter the same fingerprint

Password Registration 24~25 Page

Password button | Keypad open | Enter password | Reenter password

User Fingerprint Registration 20~21 Page

Fingerprint button | Fingerprint Input window open | Enter registered user fingerprint | Enter fingerprint to be registered | Reenter the same fingerprint

Deleting User Fingerprint 22~23 Page

Fingerprint button | Fingerprint Input window open | Enter fingerprint to be deleted

Changing Registered Password 26~27 Page

Password button | Keypad open | Enter existing password | Enter new password | Reenter new password

Deleting Registered Password 28~29 Page

Password button | Keypad open | Enter password to be deleted

Setting Access Control 54~55 Page

Password+ Fingerprint button | Keypad open | Press '7' button | Enter user fingerprint | Enter access control number | Reenter access control number

Canceling Access Control 56~57 Page

Password+ Fingerprint button | Keypad open | Press '8' button | Enter access numbe

Fingerprint Testing 60~61 Page

Password+ Fingerprint button | Keypad open | Press '9' button | Enter the first fingerprint | Reenter the same fingerprint

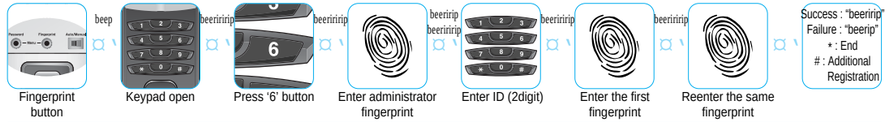
Initialization (Identical for Both Home and Office Use) 63 Page

Password+ Fingerprint button | Keypad open | After a "beep" sound, press button in sequence

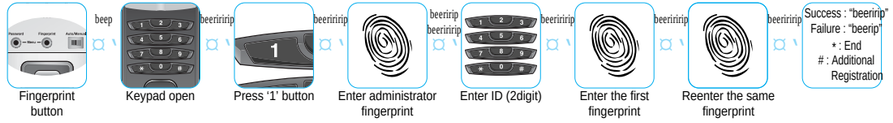
Supplement / Menu Setup For Office Use

Registering Administrator Fingerprint — 32~33 Page

Registering Additional Administrator — 32~33 Page



Registering User — 34~35 Page



Deleting Administrator or User (Using fingerprint) — 38~39 Page

Deleting Administrator or User (Using ID) — 36~37 Page

Changing Registered Password — 40~41 Page

Deleting Registered Password — 42~43 Page

Setting Access Control — 54~55 Page

Canceling Access Control — 56~57 Page

Fingerprint Testing — 60~61 Page

Supplement / FAQ

Question	Answer	Remarks
The product does not operate.	• Check if a power is supplied to the product. After separating the battery cover, check if battery is inserted properly. Also check the polarity of 8 AA 1.5V batteries.	See the battery replacement on page 17.
A fingerprint can not be entered or the response is slow.	• A fingerprint image can not be obtained properly due to too dry fingerprint, wet fingerprint or foreign substance on the fingerprint. Retry after reading proper procedures to enter a fingerprint in the user manual.	See items to check on page 8.
The power goes off during fingerprint authentication process.	• A fingerprint information will not be registered if the process ends forcefully before a buzzer sound that indicates the end of fingerprint registration is heard. After inserting new batteries, start over from the beginning.	
When pressing the Cover Opening button for authentication, the main cover slides up completely to reveal the keypad.	• This happens when the product is in initialization state, access control is set or user fingerprint is not registered. Try it again after reading appropriate section in the user manual for each circumstance.	See additional functions in the user manual
Automatic locking is not working	• This happens when Manual locking is set. After opening the battery cover of Inside Unit Body, select 'Automatic' switch in the Automatic/Manual Locking switch. If the door does not lock automatically with Automatic locking mode set, push the automatic locking sensor into the inside of Lock. If the door does not lock automatically in 5 seconds, contact the nearest service center.	Refer to the Automatic/Manual locking setting on page 62.
A continuous beeping sound is heard before and after the operation.	• It indicates that the battery needs to be replaced. Since the battery is used as main power source, the battery life differs depending on the configuration and environment (usage, temperature, humidity and quality of battery). Replace the battery referring to battery replacement procedures.	See the battery replacement on page 17.
There was not any problem at the time of installation but the door does not open due to locking during its use.	• Lock is blocked because of a widened gap between the door and Lock. If the gap is tightened, Lock will operate properly.	
The Opening/Closing button of Inside Unit Body does not open the door.	• It is likely that Opening/Closing button use prohibition is set or access control is set. Try it again after reading appropriate material in the user manual on each circumstance.	
During a fingerprint authentication, fingerprint is not authenticated after a "beerip" sound.	• It is likely that the fingerprint to be authenticated is not registered. To access using fingerprint authentication, try it again after registering your fingerprint. Use the product after reading items to check when entering fingerprint in the user manual.	See access control and Opening/Closing use prohibition on page 54-59.
We moved in recently but registration and authentication of fingerprint/password is not possible.	• The information from previous users still remains. Use the product after initialization.	See product initialization on page 63.

www.unioncomm.co.kr

ViRDI 430FP

Fingerprint Authentication Door Lock

User Manual

Please make yourself familiar with manual opening/closing procedures for emergency.

Manufacturer
UNION COMMUNITY Co., Ltd.

ME0706-430FP