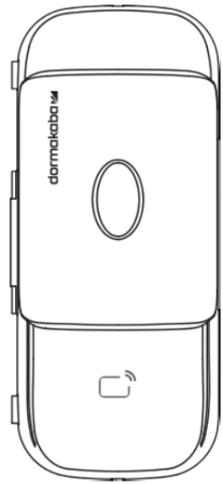


GL220

Password/RFID card



Cautions

- Make sure to read this user manual before using the product.
- For your safety, change the password regularly.
- Do not reverse the poles of the batteries because doing so may cause liquid leakage or rupture.
- When the battery set is discharged, replace all the batteries at the same time.
- Do not mix new batteries with partially discharged or fully discharged batteries.
- Do not install, disassemble, or repair the product by yourself.
- Use a dry, superfine cloth to clean the product.
- Do not press the buttons with sharp objects, such as gimlets or pins, or insert sharp objects into the product.
- Do not use the product for other purposes than digital door lock.
- Be careful not to let water into the product.
- Do not apply a heavy force to the product.
- Keep the product warranty card for A/S service.

Make sure to install the product by an installation engineer. Any product malfunction occurred if it is not installed by designated engineer will cause A/S service charges.

Troubleshooting

Symptom	Solution
The product is not powered on	Check whether the battery set is inserted properly or discharged. Check the battery insertion direction and the pole marks. Replace all the batteries with new ones.
The passwords cannot be registered	Open the battery cover, press "[Register]" button, and retry registering by referring to the password registration method that was specified in the user manual.
The door will not open after inputting the password followed by "#" button	Check if the password entered is correct. The password cannot be registered if the keypad lamp turns off. Therefore, enter the password again after turning on the keypad lamp by touching it with a hand.
The door will not open although the registered information is authorized with a password / RFID card	Use an emergency battery (9 V). It might be a system failure, contact our service center.
Alarm is on and sounds like, "beep beep beep"	This alarm indicates that the battery set should be replaced. Make sure to replace all the batteries with new ones.
The auto lock mode does not work	Try to reset auto lock mode. If the battery set is discharged, you can hear the sound when pressing the buttons, but the product will not work. Therefore, replace all the batteries with new ones.

Product Specifications

Installation condition	Glass door	Door thickness: 12 mm
Opening type	Password	4-12 digits (Up to four passwords may be registered)
	RFID card	Up to 100 RFID cards may be registered.
Rated voltage	DC 6V	LR6 1.5 V AA alkaline battery
Emergency power supply	DC 9V	Alkaline battery (sold separately)
Overheating detection	Temperature sensor	72 ± 5°C (lab environment), 62 ± 5°C (general environment)
Material	Outdoor unit	Al, Zn, ABS
	Indoor unit	Zn, ABS

Product Warranty Sheet

Model name	
Serial No.	
Purchase (installation) date	
Installation service shop name	
Installation engineer name	
Telephone No.	
Address	

• When you request for a repair service, you need to present this warranty sheet, which indicates the purchase date.
 • The warranty service for this product will be provided based on the details that were inputted on the product warranty sheet.
 • When you purchase this product, have its seller input the purchase date on the product warranty sheet because the free warranty service period starts on the purchase date.
 • The functions and design of this product are subject to changes without notice for the improvement of its performance.

dormakaba services information

Thanks for purchasing dormakaba smart locks. We provide warranty services for our door lock products. To ensure your rights, please read the following clauses carefully.

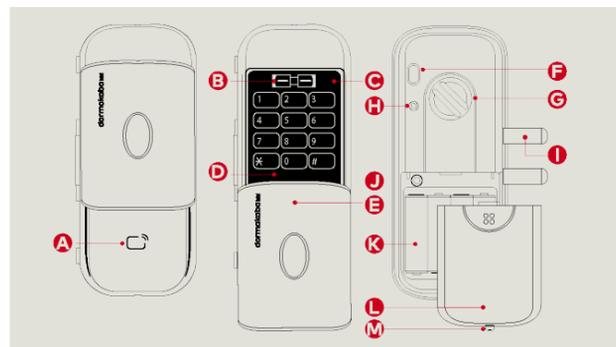
1. We provide one year free warranty for the door locks bought from our authorized sales channels and used correctly from the date of purchase.
2. When you buy the product, please ask the seller for invoice and keep it properly.
3. After installing the lock, please supervise the installation staff to fill out the product warranty card, and the seller will register product information according to the Receipt.
4. Warranty Card and invoice are required for warranty.
5. If you need repair service, please contact the seller or call our service hotline, and our authorized unit will provide repair services.
6. The above warranty shall not be applied to the following:
 - Warranty period expires;
 - The product model and bar code on the Warranty Card do not match the lock;
 - Warranty Card is altered without permission;
 - The lock is installed by unqualified personnel;
 - The lock is disassembled or modified without permission;
 - Damage is caused by force majeure (earthquake, fire, flood, etc.).

For more information of the warranty clauses, please refer to our official website or call the local hotline.

www.dormakaba.com



Part names



- | | |
|---------------------------------|-----------------------------------|
| Outdoor unit | Indoor unit |
| A RFID card reader | F [OPEN/CLOSE] button |
| B Emergency power supply | G Manual open/close device |
| C Terminal | H [Safety mode] button |
| D Reset button keypad | I Dead bolt |
| E Keypad cover | J [Register] button |
| | K Battery |
| | L Battery cover |
| | M Battery cover lock screw |

Components

- The components are subject to changes depending on the installation environment.
- Magnet cover
- Screw
- Battery
- RFID card
- Remote control (sold separately)
- Interlock device (sold separately)
- Stopper
- User Manual
- Installation manual
- Installation paper patter

Enter the registration mode

- | | |
|---|--|
| Authorize with an administrator password | Authorize with an administrator RFID card |
| 1. Press [Register] button | 1. Press [Register] button. |
| 2. Input an administrator password | 2. Put an administrator RFID card on the reader |
| 3. Press [#] button | |

- Not inputting anything for 10 seconds will cancel the authorization.
- An error will occur if entering less than 6 digits or more than 12 digits password and cancel the authorization.
- When entering an administrator password, press [*] button will reset the entry.
- Press [#] button without any entry or press [Register] button during authorization will cancel the authorization.

Register password

• Make sure to register a password while the door is open

Change administrator password * Default password: 123456

1. Enter the registration mode
2. Press [0] button
3. Enter a 6 to 12 digit administrator password, and press [#] button



- Administrator password cannot be identical to an existing user/guest password.

Register a user password

1. Enter the registration mode
2. Press [1] button
3. Enter a 4 to 12 digit user password, and press [#] button



- Repeat step 3 before the keypad lamp turns off will register another user password. (Up to four passwords can be registered)
- User password cannot be identical to an existing administrator/guest password.

Register a user password with an address

1. Enter the registration mode, and press [1] button
2. Select and press an address among 1-4, and press [#] button
3. Enter a 4 to 12 user password, and press [#] button



- Repeat step 2 and 3 before the keypad lamp turns off will register another user password. (Up to four passwords can be registered)
- User password cannot be identical to an existing administrator/guest password.

Register a guest password - One-time password

1. Enter the registration mode
2. Press [4] button
3. Input a 4 to 12-digit guest password, and press [#] button.



- Guest password cannot be identical to an existing administrator/user password.
- The guest password will go invalid after using it to open the door.
- Not inputting anything for 10 seconds will cancel the registration.
- When entering an administrator, a user, or a guest password, press [*] button will reset the entry.
- Press [#] button without any entry or press [Register] button during authorization will cancel the authorization.

Register a RFID card

• Make sure to register a RFID card while the door is open.

Register an administrator RFID card

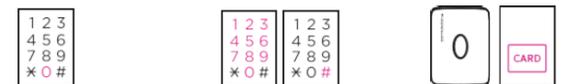
1. Enter the registration mode
2. Press [0] button
3. Close the keypad cover and put the administrator card on the reader



- Repeat step 3 before the keypad lamp turns off will register another administrator RFID card. (Up to 10 RFID cards can be registered)
- Administrator RFID card cannot be identical to a user RFID card.

Register an administrator RFID card with an address

1. Enter the registration mode, and press [0] button
2. Select and press an address from 1 to 10, and press [#] button
3. Close the keypad and put the administrator RFID card on the reader



- Repeat step 2 and 3 before the keypad lamp turns off will register another administrator RFID card. (Up to 100 RFID cards can be registered)
- Administrator RFID card cannot be identical to a user RFID card.

Register a user RFID card

1. Enter the registration mode
2. Press [2] button
3. Close the keypad and put the user RFID card on the reader



- Repeat step 2 and 3 before the keypad lamp turns off will register another user RFID card. (Up to 100 RFID cards may be registered)
- User RFID card cannot be identical to an administrator RFID card.

Register a user RFID card with an address

1. Enter the registration mode, and press [2] button
2. Input an address to be registered (1-100), and press [#] button
3. Close the keypad and put the user RFID card on the reader



- Repeat step 2 and 3 before the keypad lamp turns off will register another user RFID card. (Up to 100 RFID cards may be registered)
- User RFID card cannot be identical to an administrator RFID card.

- Not inputting anything for 10 seconds will cancel the registration.
- Press [#] button without any entry or press [Register] button during authorization will cancel the authorization.

Enter the deletion mode

- | | |
|---|--|
| Authorize with an administrator password | Authorize with an administrator RFID card |
| 1. Press [Register] button for three seconds | 1. Press [Register] button for three seconds |
| 2. Input an administrator password | 2. Put an administrator RFID card on the reader |
| 3. Press [#] button | |

- Not inputting anything for 10 seconds will cancel the authorization.
- An error will occur if entering less than 6 digits or more than 12 digits password and cancel the authorization.
- When entering an administrator password, press [*] button will reset the entry.
- Press [#] button without any entry or press [Register] button during authorization will cancel the authorization.

Delete a password

Delete a password

- Enter the deletion mode
- Press [1] button, and input an address (1-4) to be deleted
- Press [*] button



Delete all user passwords

- Enter the deletion mode
- Press [1] button
- Press [#] button for three seconds



Delete a guest password

- Enter the deletion mode
- Press [4] button
- Press [*] button



Open the door from outside with a password

In General authorization mode

- Open the cover, or touch the keypad
- Enter an administrator/user/guest password
- Press [#] button or close the cover



- A series of virtual numbers can be entered before or after step 2 while the virtual number function is activated for opening the door.

In double authorization mode

- Open the cover, or touch the keypad
- Enter an administrator/user/guest password
- Press [#] button, close the cover, and put an administrator/user RFID on the reader



- Setting a double authorization for guest passwords is not allowed.
- A double authorization will not work for RFID card.
- A series of virtual numbers can be entered before or after step 2 while the virtual number function is activated for opening the door.

- Not inputting anything for 10 seconds will cancel the authorization.
- Virtual number function can be used in order not to expose your passwords. (However, the length of password plus the virtual number cannot exceed 21 digits, or it will end up with an error sound)
- Five attempts allowed before the authorization gets suspended for one minute. After that, you may try again.
- The guest password will go invalid after using it to open the door.

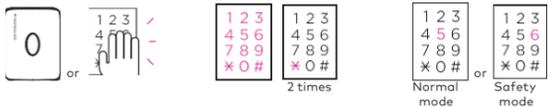
Set double authorization

- Open the cover, or touch the keypad
- Enter an administrator password, and press [1] button
- Press [5] button: Set
Press [8] button: Clear



Set safety mode

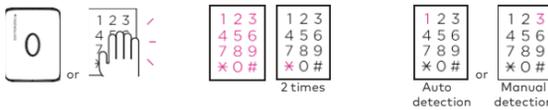
- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button two times
- Press [5] button: Normal mode
Press [6] button: Safety mode



- In normal mode: Press [OPEN/CLOSE] button will open the door.
- In Safety mode: Press [Safety mode] button and then press [OPEN/CLOSE] button will open the door.

Set auto/manual detection with RFID card

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button two times
- Press [1] button: Auto detection
Press [3] button: Manual detection

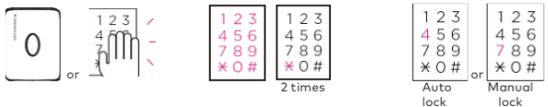


- Auto detection mode is set by default.
- In the manual detection mode, touching the keypad with a hand and put RFID card on the reader will open the door.

Set auto/manual lock mode

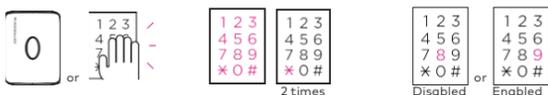
Set Auto/manual lock

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button two times
- Press [4] button: Auto lock
Press [7] button: Manual lock



In manual lock mode, choose to use the keypad cover to close the door

- Open the cover, or touch the keypad
- Input an administrator password, and press [*] button two times
- Press [8] button: Disabled
Press [9] button: Enabled



- Auto lock mode is set by default.
- In auto lock mode, the door will automatically be locked in 2 seconds after it is closed.
- In manual lock mode, the door will not be automatically locked after it is closed.

Delete a RFID card

Delete an administrator RFID card with an address

- Enter the deletion mode
- Press [0] button, and input the address to be deleted (1-10)
- Press [*] button



Delete an administrator RFID card

- Enter the deletion mode
- Press [0] button
- Put an administrator RFID card on the reader



Delete all administrator RFID cards

- Enter the deletion mode
- Press [0] button
- Press [#] button for three seconds



Delete a user RFID card with an address

- Enter the deletion mode
- Press [2] button, and enter the address to be deleted (1-100)
- Press [*] button



Delete a user RFID card

- Enter the deletion mode
- Press [2] button
- Put a user RFID card on the reader



Delete all user RFID cards

- Enter the deletion mode
- Press [2] button
- Press [#] button for three seconds



Open the door from inside

Normal mode

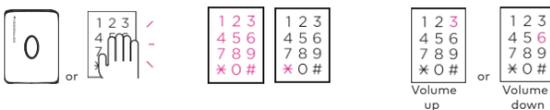
Press [OPEN/CLOSE] button will open the door if the door is locked.

Safety mode

Press [Safety mode] button and then press [OPEN/CLOSE] button will open the door.

Volume control

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button
- Press [3] button: Volume up
Press [6] button: Volume down

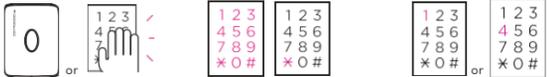


- The volume can be adjusted by seven degrees.

Set doorbell

Set doorbell volume

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button
- Press [1] button: Volume up
Press [4] button: Volume down



- "For Elise" is set by default for the door bell.
- Open the cover will stop the door bell.

Disable doorbell setup

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button
- Press [7] button



- Doorbell is disabled by default.
- The doorbell will work only in the manual lock mode.

Interlock/Remote control

The Interlock/remoter will be sold separately

Register an interlock/remoter control

- Enter the registration mode
- Press [OPEN] button
- Press [#] button



- Repeat step 2 before step 3 will register another interlock / remote control. (Up to five devices may be registered)

Delete an interlock/remoter control

- Enter the deletion mode
- Press [5] button
- Press [*] button



- Registering a new device will automatically delete the one registered before.

Open the door from outside with a RFID card

In auto detection mode

Put the RFID card on the reader

In manual detection mode

- Open the cover, or touch the keypad
- Press [*] button and close the cover
- Put the RFID card on the reader



- In the double authorization mode, enter the password first

Lock door from outside

In auto lock mode

- The door will automatically be locked in 2 seconds after it is closed.

In manual lock mode

- Open the cover will lock the door after it is closed.
- Open the cover and touch the keypad will lock the door after it is closed.

Lock door from inside

In auto mode

- The door will automatically be locked in 2 seconds after it is closed.

In manual lock mode

- Press [OPEN/CLOSE] button will lock the door after it is closed.

- Turning "[Manual open/close]" to the "Close" position will lock the door.

Set internal double lock

Can prevent opening the door from outside

Set internal double lock

- While the door is locked, press [OPEN/CLOSE] button for 3 seconds.

Release internal double lock

- Press [OPEN/CLOSE] button or turning the [Manual open/close] to the "Open" position.

Set external double lock

This function disables the [OPEN/CLOSE] button

Set external double lock mode

- Open the cover or touch the keypad
- Press [*] button
- Press [0] button

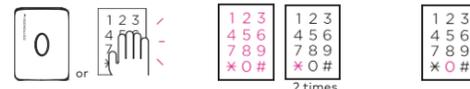


Release external double lock

Once the door is opened by the "[Manual open/close]" device, a password, or a RFID card, the external double lock will be released.

Virtual number function

- Open the cover, or touch the keypad
- Enter an administrator password, and press [*] button two times
- Press [0] button to activate or not



- Virtual number function is activated by default.

Alarm functions

Dead bolt trapping alarm

If the dead bolt is trapped when the door is opened or locked, alarm will go off and sounds like "beep beep beep" for three times.

- If the alarm never stops and the product does not function properly, contact an installation engineer to adjust the product's installation position.

Low battery alarm

Alarm will go off if it is under low battery and sounds like "beep beep beep" once the product turns on.

- When the battery alarm goes off, using the product without replacing the battery will fully discharge the battery. Therefore, make sure to replace batteries when the alarm is on.
- When replacing the batteries, replace them all with new ones.
- Do not mix new batteries with partially discharged or fully discharged batteries.
- Do not use batteries made from different manufacturers.

How to use an emergency battery

- Connect an emergency battery (9 VP) to the emergency power supply terminals.
- Input an administrator/user password, and press [#] button.
- (In the double authorization mode) Put an administrator/user RFID card on the reader.

- If the product does not work because of discharged battery, buy a new one (9 VP).

Break-in / Damage alarm

80dB alarm will go off if anyone attempts to damage the lock or force the door to open.

- If you remove the battery input a password or put the RFID card on the reader, the alarm will stop.

Overheat warning

When a high temperature (62°C ± 5°C) is detected, alarm will go off and the lock mode will be removed in case a fire broke out.

- If the indoor unit is exposed to direct sunlight for a long period, alarm will go off as well.
- If overheat is detected, internal double lock mode will be automatically removed.
- This alarm won't be off while the product is overheated.

Multiple entry failure alarm

Entering a nonregistered password or reading a nonregistered RFID card for five consecutive times will make alarm go off and disable authorization for one minute.

- Try to enter the right password or read the right RFID card after one minute to open the door.