Digital door lock
Model DL7000 / DL7100
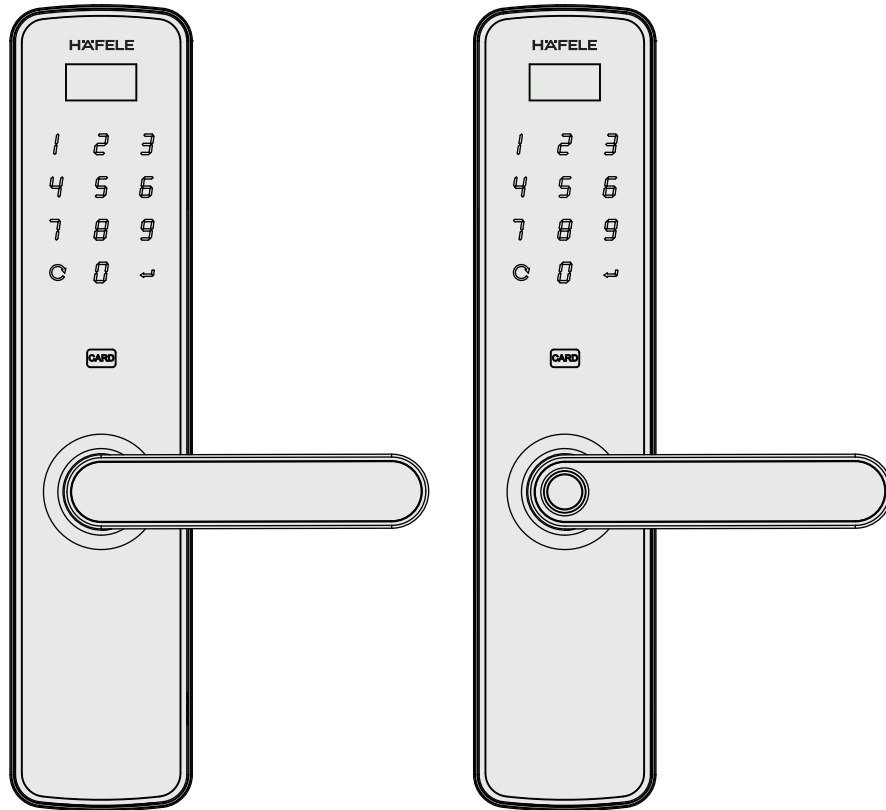
DL7000   DL7100

User manual

* The contents of this user manual are subject to change without prior notice
   to the user in order to enhance performance of the products.

Contents

Read before using

✔ Product features

Four way solution
Four electronic locking modes: PIN code, key card, fingerprint (Only DL7100) and emergency key.

Master/ User PIN code, Master/ User Key card and Master/ User Fingerprint identification
3 master PIN codes, up to 47 user PIN codes

3 master key cards, up to 47 user key cards

3 master fingerprints, up to 97 user fingerprints (Only DL7100).

Random security coding function
The random number can be added before or after the real user PIN code but the maximum length is 16 digits. This feature will prevent the real user PIN code from being exposed.

Privacy function
When the privacy function is activated the door cannot be opened from outside with user PIN code, key card or fingerprint except with master identification or mechanical key.

Prevent mischief and hacking
When entering 6 times a wrong identification by pin code or key card, or 12 times by finigerprint, the lock is suspended 300 seconds with warning alarm (alarm duration 5/10/20/30 seconds can be set in the "System setting" menu). After that the lock will activate again. While the lock is suspended, the lock is able to be unlocked by mechanical key only.

Alarm for battery replacement time
When the power of battery is too low a warning signal will appear on the screen.
Please replace all batteries immediately.

Alarm for abnormal locking
When the door is not closed properly such as dead bolt is stuck in the striking plate, a warning alarm will be occured to inform you an error.
Please close and lock the door properly immediately.

Burglary alarm function
When the door is opened by force, the lock is suspended 90 seconds with alarm.
After that the lock will activate again. Master/user's card or fingerprint can stop the alarm while it is activated.
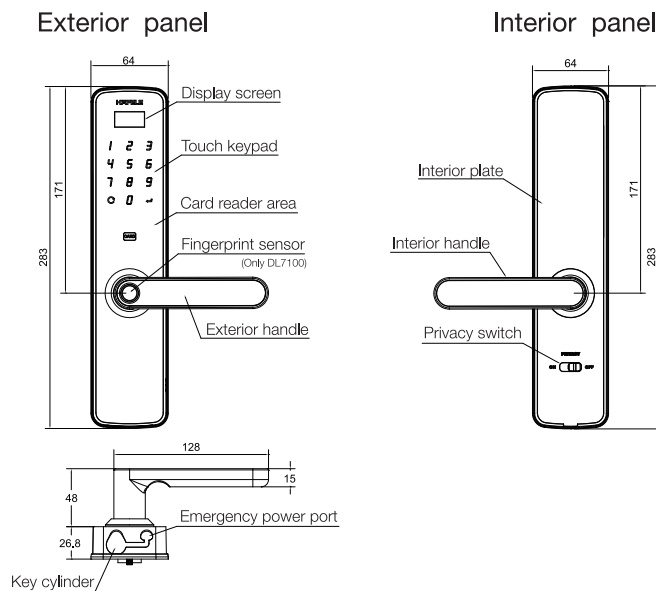
Dismantle alarm function
When the exterior panel is removed by force, the lock show "Dismantle Alert" and sounds alarm for 90 seconds. After that the lock will activate again.

Read before using

✓ Warnings

* Read and understand all instructions before use.

* If damage is caused by failure to follow this instructions, the warranty does not apply.

* Only use alkaline batteries.

* Do not expose the product and accessories to rain or water.

* Do not expose the product to corrosive substances to avoid damage to the protective cover.

* Do not scrape the fingerprint sensor with any sharp objects, otherwise it may cause permanent damage.

* When cleaning the product, please wipe with a soft cloth.

* If there is a low battery alert, please replace all the batteries in time and make sure they are properly installed.

✓ Product specifications

Exterior panel

Display screen
Touch keypad
Card reader area
Fingerprint sensor
(Only DL7100)
Exterior handle

Interior panel

Interior plate
Interior handle
Privacy switch

128
15
48
26.8
Emergency power port
Key cylinder

Unit：mm

⚠ CAUTION

1. You can follow menu setting shown in display screen by multi language (e.g. English, etc.).

2. Default master PIN code is "123456", please modify it after installation.

3. PIN code (6-16 digits): Maximum capacity is 50 (3 master, 47 user)

4. Temporary PIN code (6-16 digits): Maximum capacity is 1

5. Single PIN code (6-16 digits): Maximum capacity is 1

6. Card: Maximum capacity is 50 (3 master, 47 user)

7. Fingerprint (Only DL7100): Maximum capacity is 100 (3 master, 97 user)

✔ Factory default settings

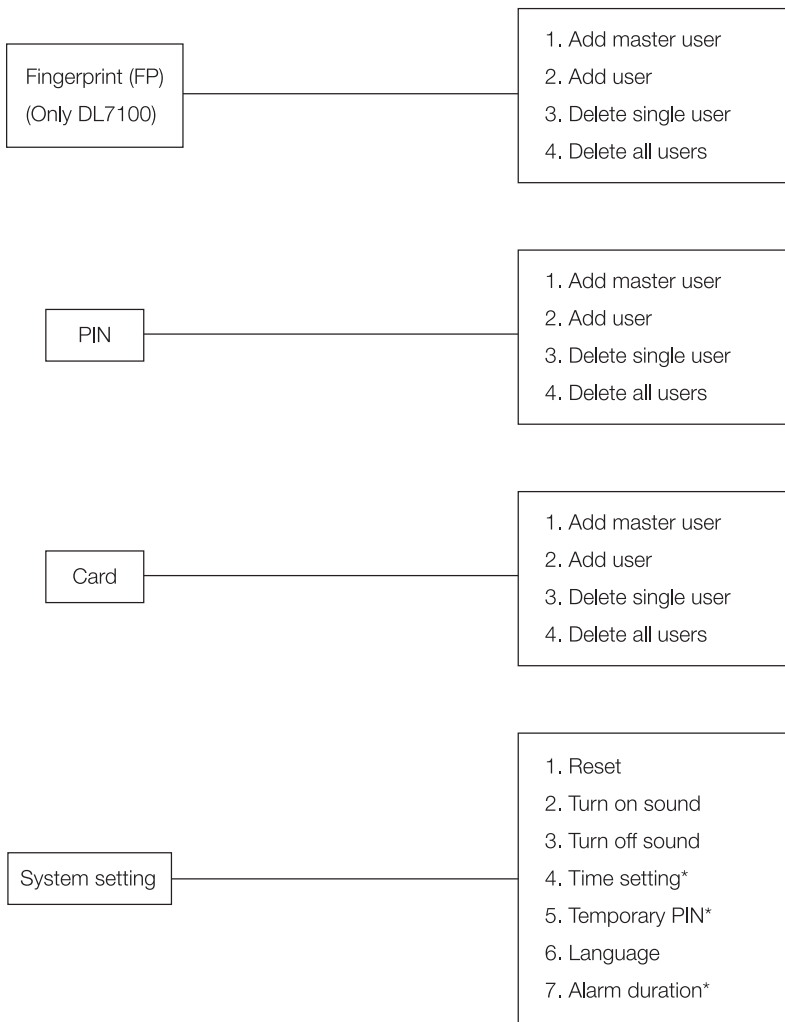| Settings	Factory defaults
Master PIN code	123456
Opening mode setting	Single verification
Speaker	Enabled
Wrong code entry limit	6 times for code 6 times for key card 12 times for fingerprint
Display language	English
Dismantle alert	Off

✔ How to access menu setting

1. Touch the screen to activate lock

2. Press ↻

3. Enter master PIN code/key card/ fingerprint (Only DL7100)
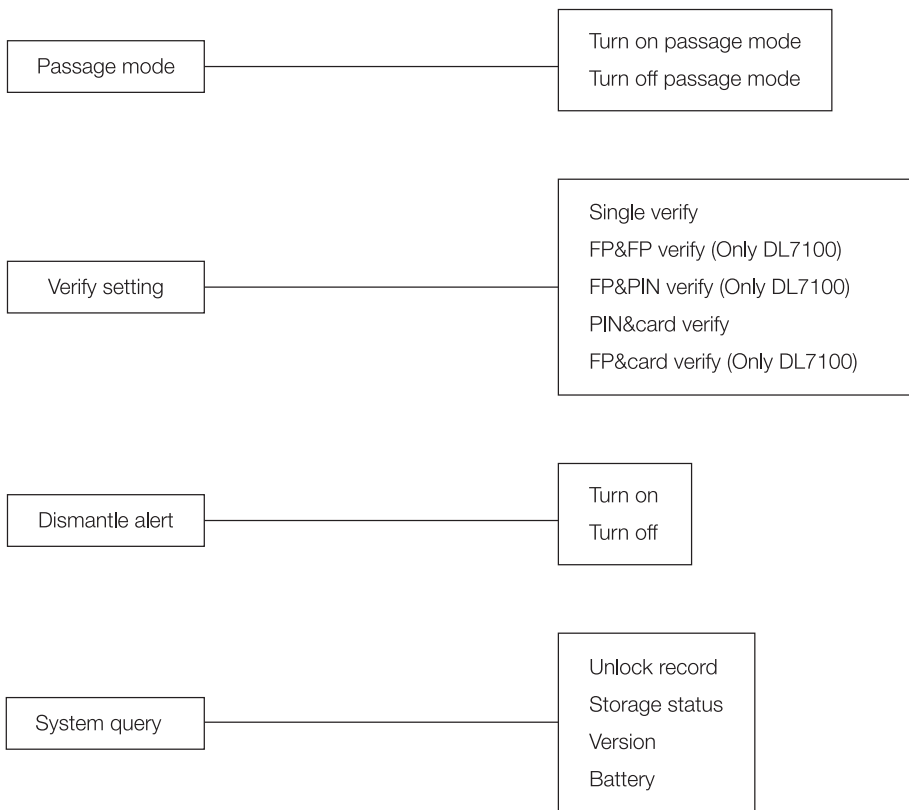
Operation description

5	:	Up
8	:	Down
↻	:	Back
⬎	:	Enter

Lock operation

✔ Menu table

Fingerprint (FP) (Only DL7100)

1. Add master user
2. Add user
3. Delete single user
4. Delete all users

PIN

1. Add master user
2. Add user
3. Delete single user
4. Delete all users

Card

1. Add master user
2. Add user
3. Delete single user
4. Delete all users

System setting

1. Reset
2. Turn on sound
3. Turn off sound
4. Time setting*
5. Temporary PIN*
6. Language
7. Alarm duration*

* Please see in explanation for advance setting

Lock operation

✓ Menu table

Passage mode ──────── Turn on passage mode
Turn off passage mode

Verify setting ──────── Single verify
FP&FP verify (Only DL7100)
FP&PIN verify (Only DL7100)
PIN&card verify
FP&card verify (Only DL7100)

Dismantle alert ──────── Turn on
Turn off

System query ──────── Unlock record
Storage status
Version
Battery

✓ Explanation for advance setting

Time setting

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Time Setting" in the "System Setting" menu.

3. Input date and time to set time of system.

⚠ CAUTION

Date format : DD - MM - YYYY
Time format : HH - MM - SS

Temporary PIN code setting

1. Enter the menu by master's PIN/card/fingerprint.
2. Select "Temporary PIN" in the "System Setting" menu.
3. Select "Add Temp. PIN" and input PIN code.
4. Return to "Temporary PIN" menu, and then select "Date Setting" to set the start date and end date that allow the temporary PIN to unlock.
   (Noted: the start date and the end date cannot be set on the same day. e.g. if you want the temporary PIN can be unlock on Feb. 20th only, you should set the start date on Feb. 20th and end date on Feb. 21st. The temporary PIN will not be able to unlock the door after 00:00 a.m., Feb. 21st.)
5. Return to "Temporary PIN" menu, and then select "Time Range 1" to set the start time and end time that allow the temporary PIN to unlock. There are 3 time ranges and at least one of them should be set for the temporary PIN to take effect. If you set all of the time ranges with different time period, the temporary PIN can unlock at the setting time period on each day of set date.
   The format of the time range is 00:00 to 23:59.
    e.g. start time: 00:00
         end time: 23:59
6. Return to "Temporary PIN" menu, and then select "Week Setting". Follow below instruction to complete the week setting:
   A. Input number "0" or "1".
   B. "0" means invalid date, "1" means valid date
   C. Input 7 digits ("0" or "1" to stand for availability from Monday to Sunday. The 1st digit stands for Monday, the 2nd digit stands for Tuesday and so on.
    e.g. If the week setting is "0111110", which means the temporary PIN cannot unlock the lockset on the whole day of Monday and Sunday, but he/she can unlock the lockset at the setting time from Tuesday to Saturday.

⚠ CAUTION

The temporary PIN is setup after complete above 6 steps strictly.

✔ Explanation for advance setting

Single PIN setting

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Temporary PIN" in the "System Setting" menu.

3. Select "Add a Single PIN" and input PIN code.

⚠ CAUTION

Single PIN is a one-time PIN. It will be invalid after it is input to unlock the lockset once.

Delete temporary PIN code

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Temporary PIN" in the "System Setting" menu.

3. Select "Del. Temp. PIN" to delete the PIN.

⚠ CAUTION

If single PIN is set. Delete temporary PIN code will delete both of temporary PIN and single PIN at the same time.

Alarm duration setting (False attempt alarm)

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Alarm Duration" in the "System Setting" menu.

3. Select time duration between 5 - 30 seconds.

⚠ CAUTION

This alarm duration will occur when entering wrong identifications according to access type.

✅ Additional lock features

Passage mode setting

Passage mode is able to be turn on and turn off by two methods.

Turn on passage mode:

Method 1:

1. Unlock by enter master's or user's PIN/card/fingerprint.

2. Long press key "0" till display screen shown "Passage On"

Method 2:

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Passage Mode" in the "System Setting" menu.
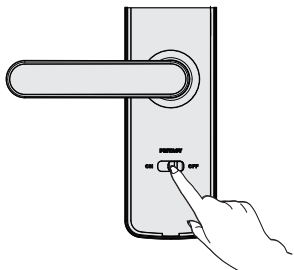
3. Select "Turn on passage mode".

Turn off passage mode:

Method 1:

1. Unlock by enter master's or user's PIN/card/fingerprint.

2. Press key [🔄].

Method 2:

1. Enter the menu by master's PIN/card/fingerprint.

2. Select "Passage Mode" in the "System Setting" menu.

3. Select "Turn off passage mode"
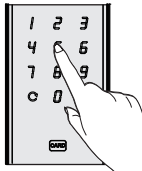
Privacy mode

When door is locked, slide privacy button to status "ON"
to switch on privacy mode. Only master identifications
and mechanical key can open the door from outside.
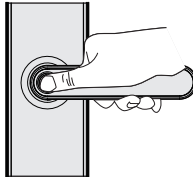User identifications is prohibited.

✓ Open & Lock the door

How to open the door from outside

PIN code

1.Touch keypad by palm to lighten keypad.
2.Enter the enrolled PIN code with end of [↵].
3.Press down handle to open the door.

Fingerprint (Only DL7100)

1.Place the enrolled finger properly on the fingerprint sensor area.
2.Press down handle to open the door.

Card

1.Place the enrolled card properly on the card icon area
2.Press down handle to open the door.

Random security coding function

The random number can be added before or after the real user PIN code but the maximum length is 16 digits.

This feature will pervent the real user PIN code from being exposed.

Mechanical key

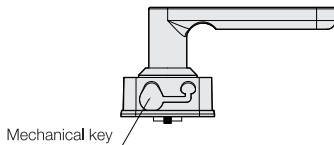Insert the key into key hole and rotate it with proper angles.

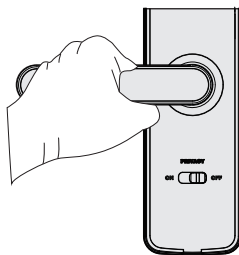Then press down handle to open the door.

⚠ CAUTION

Do not press down the handle while rotating the mechanical key.
Always rotating the mechanical key first, then press down the
handle to open the door.

Mechanical key

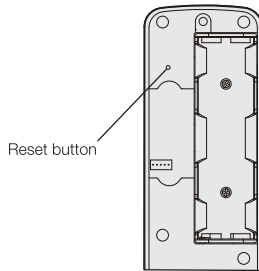## How to open the door from inside

Door handle

Press down handle to open the door.

How to lock the door

After close the door properly, the dead bolt will come out automatically.

✓ Sevice features

Restore to factory default settings

Reset button

There are two methods to restore to factory setting

Method 1:

1. Open battery cover and find the reset button.
2. Touch keypad by palm to lighten keypad.
3. Use a paper clip to press and hold the reset button and keep pressing [↵] on touch keypad to reset the system.
4. After that all user data and settings will be deleted.

Method 2:

1. Enter the menu by master's PIN/card/fingerprint.
2. Select "Reset" in the "System setting" menu.
3. Keep pressing [↵]

Micro USB emergency power supply

Emergency power port
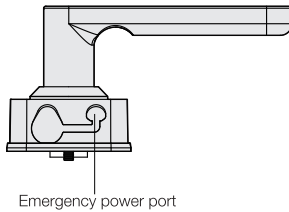
When the battery voltage is too low and the lock cannot be opened from outside,connect a 5V power supply via micro USB port at the front.
Then unlock the door and replace all batteties immediately.