1. Front Body (Front Body, installation on the outside of the door)

YDM7220

9V
9V Emergency alkaline battery
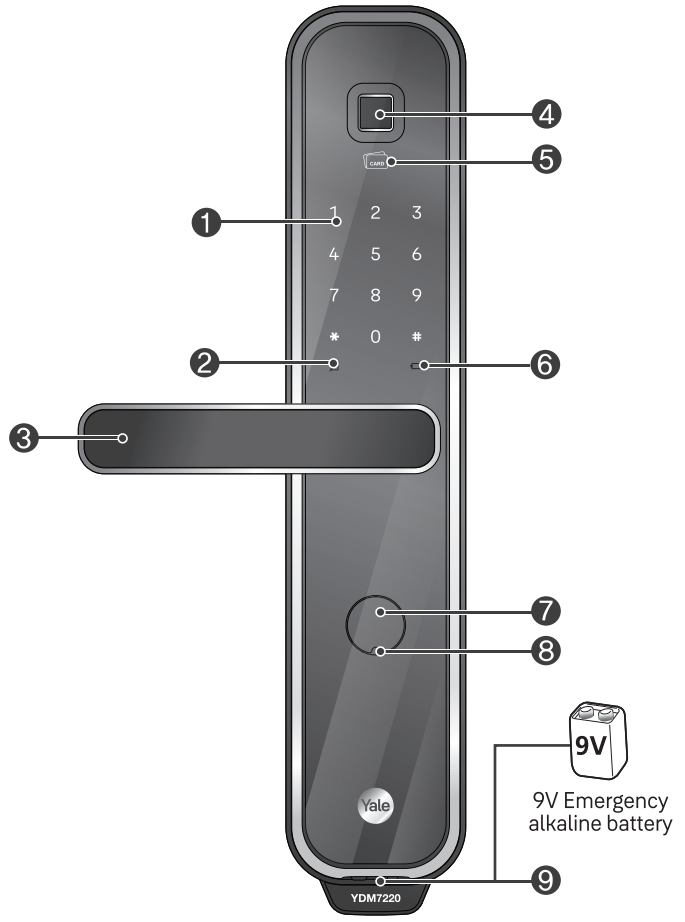
4. Main Body (Main Body, installation on the inside of the door)
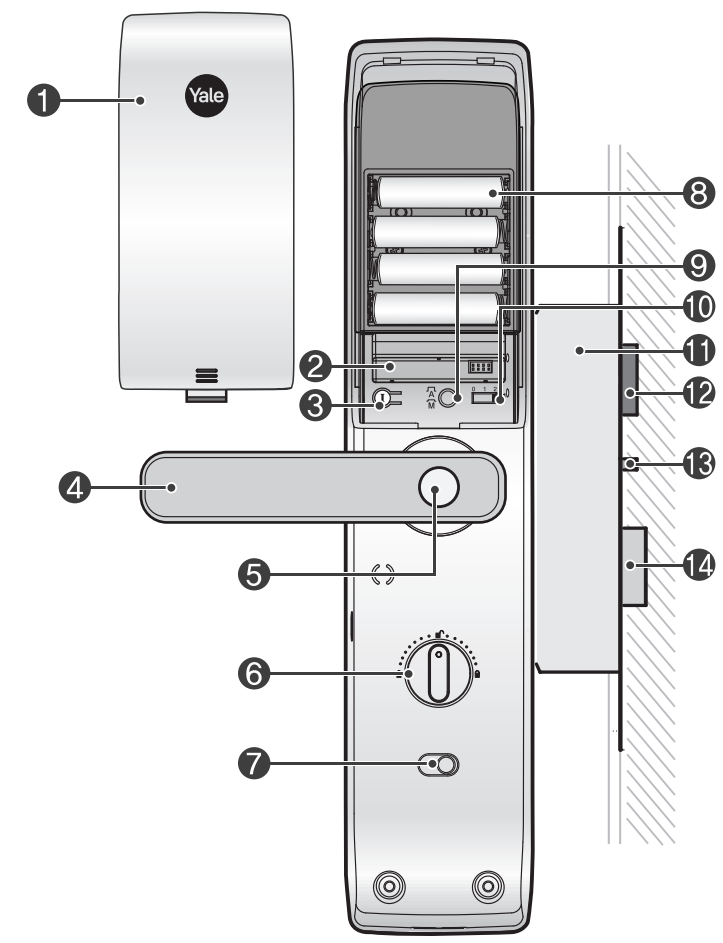
7. Setting Menu

Master Mode: Only a designated person who knows 'Master PIN Code' has authority to set features.

Normal Mode: If no user is assigned with master code without a designated person, anyone who knows 'User PIN Code' has authority to set features.

Visitor Code: Users with Visitor Code can only open the door with no access to change settings.

Onetime Code: The onetime code is used only once for unlocking the door lock and automatically deleted after usage.

User Slot Number: It should be 2 digits(like '01', '02'…'99', '00') and available in advanced mode.
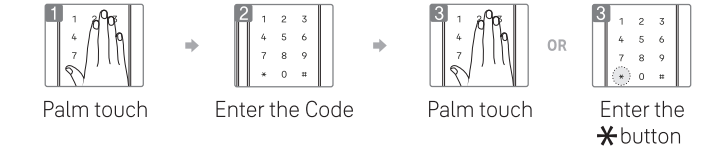
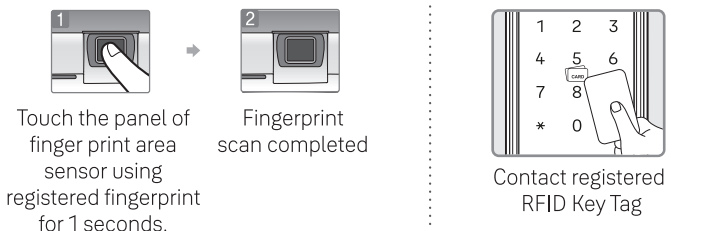|	
🖐	Touch the Keypad of the Front Body with your palm to begin
✳	Press ✳ button on the Keypad
♯	Press ♯ button on the Keypad
ⓘ	Press ⓘ (Registration) button in every steps to start or complete the session
CARD	Enter User RFID Key Tag (Up to 100 Users)
🖐	Enter User Fingerprint (Up to 100 Users)
U PIN CODE	Enter User Code (4 ~ 10 digits)
M PIN CODE	Enter Master Code (4 ~ 10 digits)
V PIN CODE	Enter Visitor Code (Only 4 digits)
O PIN CODE	Enter Onetime Code (Only 4 digits)
UN	User Slot Number should be 2 digits (like '01' … '99' and '00': Location of 100th user slot must be assigned "00" instead of "100".)
	Rotation area to add more features

9. Normal Mode (Default Mode)

Normal mode is for convenient mode for anyone with user code to change various settings.

1 ➡ 12 (Registration process)									✳ Continue / ⓘ Complete			
	1	2	3	4	5	6	7	8	9	10	11	12

User Code — Only 1 User

Registration: ⓘ U PIN CODE ⓘ
New

RFID Key Tag — Up to 100 Users

Registration: ⓘ CARD ⓘ

Fingerprint — Up to 100 Users

Registration: ⓘ ✳ 🖐 ✳ OR ⓘ
8times

Visitor Code — Only 1 User

Registration: U PIN CODE ⓘ 1 ♯ | 1 ♯ V PIN CODE ♯ ✳ OR ⓘ
Delete: | 3 ♯ U PIN CODE ♯ ✳ OR ⓘ

Onetime Code — Only 1 User, Automatically deleted after use

Registration: U PIN CODE ⓘ 2 ♯ | 1 ♯ O PIN CODE ♯ ✳ OR ⓘ
Delete: | 3 ♯ U PIN CODE ♯ ✳ OR ⓘ

Delete all credentials (Fingerprint, RFID Key Tag)

Delete all fingerprint: U PIN CODE ⓘ 3 ♯ | 1 ♯ U PIN CODE ♯ ✳ OR ⓘ
Delete all RFID Key Tag: | 2 ♯ U PIN CODE ♯ ✳ OR ⓘ

10. Unlocking Door with Code

Palm touch → Enter the Code → Palm touch OR Enter the ✳ button

11. Unlocking Door with Fingerprint / RFID Key Tag

Touch the panel of finger print area sensor using registered fingerprint for 1 seconds.

Fingerprint scan completed

Contact registered RFID Key Tag

12. Safe Handle Feature

Disable Safe Handle Setting

· Open the battery cover and take out a hex wrench.
· Keep pushing the safe handle button.
· Turn the fixing screw clockwise to fix the button.

Enable Safe Handle Setting

· Open the battery cover and take out a hex wrench.
· Turn the fixing screw anticlockwise until the safe handle button comes out.

2. Basic Contents

Basic Contents

Front Body | Main Body | Lock Case

Strike Plate

· User Manual
· Installation Guide
· AA Batteries X 4
· RFID Key Tags X 4
· Mechanical Keys X 2
· Screws

Optional Accessories
· Remote Controller
· Remote Control Module
· Bluetooth Module

3. Specifications

Parts	Specifications	Remarks
Front Body	68(W) X 335(H) X 64.5(D) mm	Operating temperature -15~55°C (5~131 °F)
Main Body	72(W) X 344(H) X 36(D) mm	
Works for	4EA 1.5V AA Alkaline batteries(Operating voltage: 4.5~6V)	
Optional product	Remote controller, Module and etc	

※ Battery life may vary depending on temperature, moisture levels, frequency of use and the quality of battery used.

5. Front Body

❶	Keypad(10-key)
❷	Dead Bolt Jam Lamp
❸	Lever
❹	Fingerprint Sensor
❺	RFID Key Tag Reader
❻	Low Battery Indicator
❼	Emergency key cover
❽	Emergency Mechanical Key Slot (Inside)
❾	Emergency Power Supply Terminal

6. Main Body

❶	Battery Cover
❷	Module Accessory Slot (Optional)
❸	ⓘ Registration button
❹	Lever
❺	Safe Handle Button
❻	Manual Thumb Turn
❼	Internal Forced Lock Switch
❽	1.5V AA Alkaline Batteries (4PCS)
❾	Auto/Manual Lock Button
❿	Volume Control Switch
⓫	Lock Case
⓬	Latch Bolt
⓭	Automatic Locking Sensor
⓮	Dead Bolt

8. Product Features

One Touch Fingerprint Access
Secure one Touch Live fingerprint detection for personalized access. Unique Sensor not only provides high security but faster unlocking experience as well.

Yale Access App
Yale Access gives you the peace of mind of knowing who and what you love is safe - no matter where you are- just at the touch of your smartphone.

Smart Touchpad – Auto Lock
The door Locks when you touch the palm on the keypad.

3 minute Lock Out Feature
After five (5) unsuccessful attempts of an invalid code or fingerprint, RFID key tag lock out mode is activated for 3 minutes.

Smart Etiquette
When entering a pin code on the keypad, the user can open the door lock in silent mode.

Fake PIN Code
Security enhancement to enter any number before or after entering a password to prevent the PIN code from being exposed.

Internal Forced Lock
It is a security-enhancing function that 'disables' authentication methods such as passwords, RFID key tags and fingerprints from outside when setting up functions indoors.

External Forced Lock
It is a security-enhancing function that an alarm goes off if someone opens door from inside when setting up functions outside.

Voice Guidance
It guides you through the operation status on how to enable various features & settings- mode for easier and more convenient use.

Other features and Benefits
• Remote Controller (Optional):
  This option may not be available depending on your country or local dealer.
• Network Module/Controller (Optional):
  It allows door lock to connect with Home network controller.
• Intrusion/Broken Alarm.
• Low Battery Alarm and Emergency Power Supply.

Language Change

Registration:
U PIN CODE ⓘ 4 ♯ 5 ♯
| 1 Korean ♯ ✳ OR ⓘ
| 2 Chinese ♯ ✳ OR ⓘ
| 3 English ♯ ✳ OR ⓘ
| 4 Taiwanese ♯ ✳ OR ⓘ

Bluetooth setting (Yale Access app)

Registration: U PIN CODE ⓘ 7 ♯ | Set up a new device in the app

Remote Contoller — Up to 5 Users

Registration: U PIN CODE ⓘ 8 ♯ | 1 ♯ SET Button ♯ ✳ OR ⓘ
Delete: | 3 ♯ U PIN CODE ♯ ✳ OR ⓘ
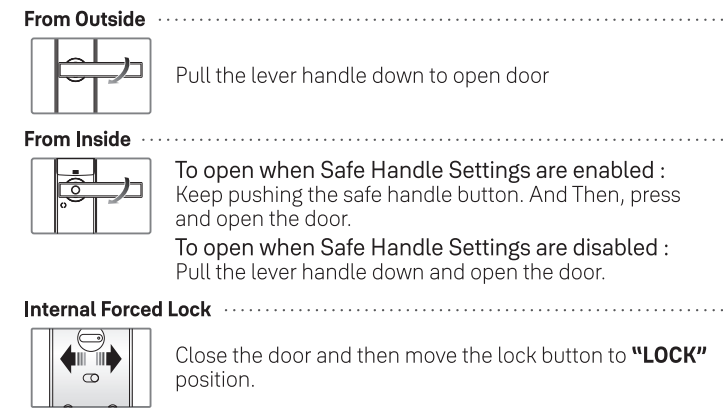
Home Network Controller

Registration: U PIN CODE ⓘ 9 ♯ | 1 ♯ Controller ♯ ✳ OR ⓘ
Delete: | 3 ♯ U PIN CODE ♯ ✳ OR ⓘ

Remote Controller
Set with registration button located on the top of remote controller. You can press it using a pin like the one shown in the image.
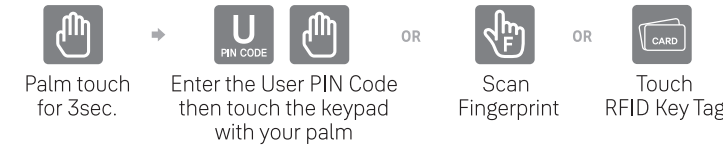
Please note following when pairing lock with Yale Access App.

- Depending on product type or FW version, app registration and door lock connection in normal mode may not be possible, so if registration is not possible, change from normal mode to master mode and try again.
  [App Registration in Master Mode: Master Pin Code-> ⓘ (Registration Button)-> 7 -> #]
- Because Yale Access Bluetooth App is only available in master mode, user code automatically changes to master code when registering APP in normal mode.
- Please be informed that all registered credentials will be deleted when changing mode or registering and deleting app.

13. Opening Door(Inside/Outside)

From Outside

Pull the lever handle down to open door

From Inside

To open when Safe Handle Settings are enabled :
Keep pushing the safe handle button. And Then, press and open the door.
To open when Safe Handle Settings are disabled :
Pull the lever handle down and open the door.

Internal Forced Lock

Close the door and then move the lock button to **"LOCK"** position.

14. Unlocking Door with Smart Etiquette

Palm touch for 3sec. → Enter the User PIN Code then touch the keypad with your palm OR Scan Fingerprint OR Touch RFID Key Tag

15. Locking the Door(Inside/Outside)

Automatic Lock Mode(Inside/Outside)

5 SEC
In automatic lock mode, the lock automatically locked within 5 seconds after closing the door and detecting the automatic lock sensor.

Manual Lock Mode

The door locks when touching the keypad with the palm. (outside)

Use Thumb turn knob on the main body. (Inside)
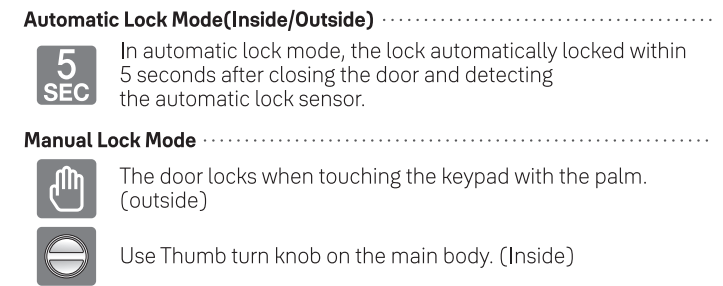
16. Automatic/Manual Lock

Enable Automatic Lock

Release the button to set automatic lock mode on the main-body (after opening the battery cover)

Enable Manual Lock

Press the button to set manual lock mode on the main-body.

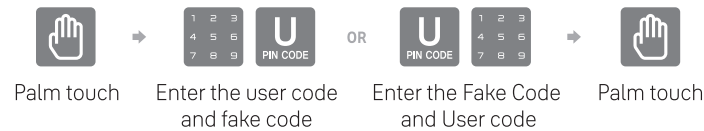## 17. Unlocking Door with Fake Code

Palm touch → Enter the user code and fake code → OR → Enter the Fake Code and User code → Palm touch

18. External Forced Lock

Enable External Forced Lock : Fingerprint

Scan with registered Fingerprint and hold the fingerprint area until you hear 3 beep sounds.

Enable External Forced Lock : User Code

Palm touch → Enter the User PIN Code → Enter the # button for 5 Sec.

Enable External Forced Lock : RFID Key Tag

Contact RFID key tag on [RFID key tag reader] for 5 sec. until you hear 3 beeps.

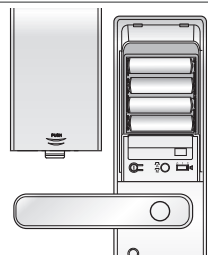**Disable External Forced Lock**

When the door is unlocked from outside based upon proper authentication, the External forced lock will be released.

19. Volume

The operation sound volume will be adjusted according to the Volume Switch setting.

0 1 2 : High   0 1 2 : Low   0 1 2 : Mute

20. 3 Minute Lock Out

All access mode from the external side are disabled for 3 minutes to deter unauthorized access.

Disable 3-minute Lock Out

• Open with inside door bar.
• Open the door with mechanical key.
• Press Ⓘ button.

21. Alarm

Intrusion Alarm : The alarm goes off when someone forces the door open. For example, In case of an intrusion by opening a gap in the door while the door is locked.

Broken Alarm(Breakage Alarm) : The alarm goes off when the front part is completely separated from the main set. For example, forced removal of external product (front body).

Turn off alarm

• Enter the registered User code.
• Press Ⓘ button for 5 seconds.
• Enter the registered Fingerprint.
• Touch the registered RFID Key Tag.

22. Emergency power supply for discharged batteries

Contact 9V battery → Palm touch → Enter the User Code and Plam touch → OR → Contact RFID Key Tag → OR → Scan fingerprint

※ In case of discharged batteries, please use 9V battery to supply power

23. Power supply

One-on-one real life size
1.5V(LR6) Alkaline AA Battery

It may sustain 1 year if used 10 times a day. (Users are advised to use authentic Alkaline batteries.)
* Kindly dispose used batteries.

You must replace all 4 batteries in the following cases:
* The Low Battery LED on keypad flickers red.
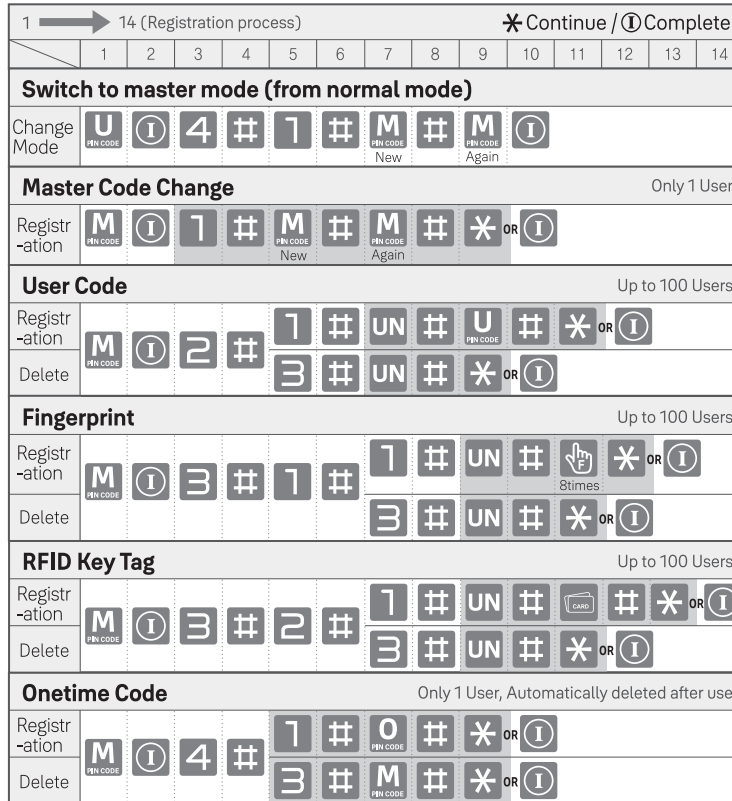* When low battery notification message is played.

RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE. DISPOSE OF USED BATTERIES ACCORDING TO THE NATIONAL CODE OR RECYCLING PROGRAM.
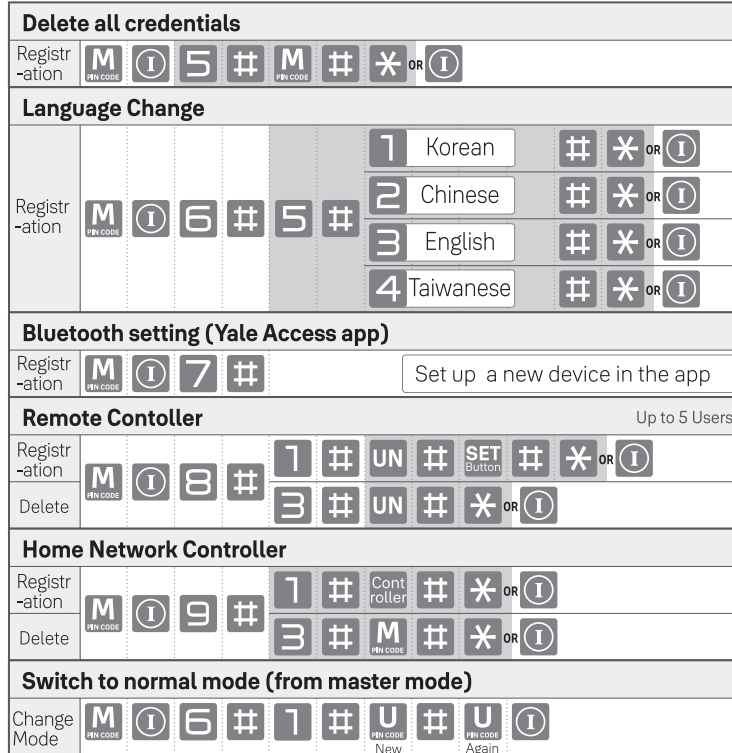
24. Code Chart   Duplicate if necessary

PIN Code Management(Up to 100 Users.)		
User Type	User Name	PIN Code
Master		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		
User ___		

25. Master Mode

Master mode is a mode in which only the administrator can set the door lock and provide access to other users. 100 users passwords, 100 users RFID key tags, 100 users fingerprint and individual registration and deletion of one-time passwords enable efficient management of visitors.
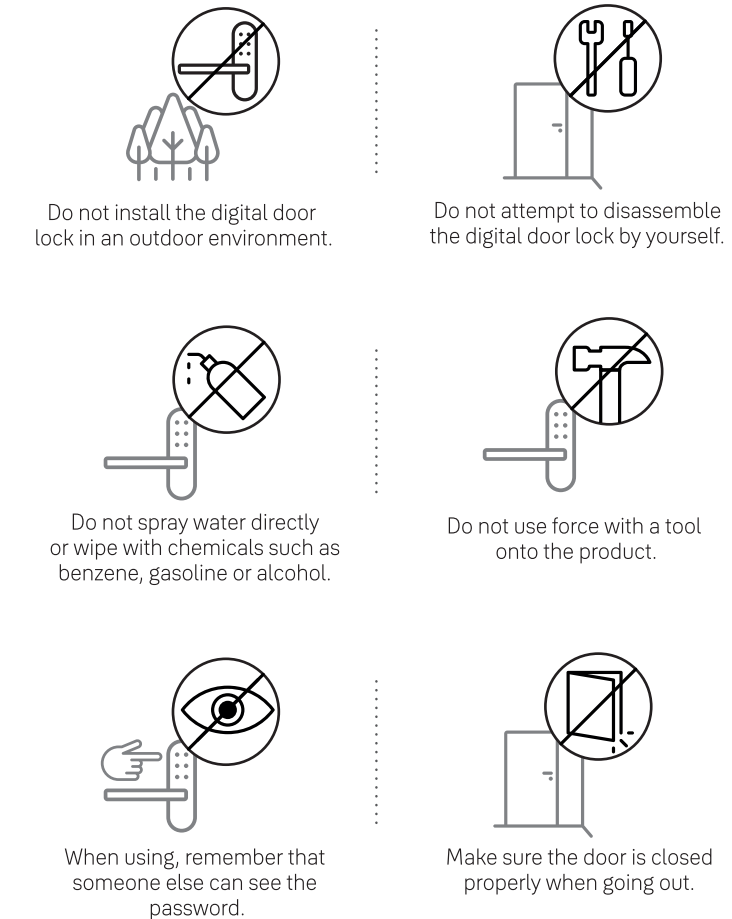
1 ▶ 14 (Registration process)	✱ Continue / Ⓘ Complete
1 2 3 4 5 6 7 8 9 10 11 12 13 14	

Switch to master mode (from normal mode)
Change Mode: U Ⓘ 4 # 1 # M # M Ⓘ
New / Again

Master Code Change — Only 1 User
Registr-ation: M Ⓘ 1 # M # M # ✱ OR Ⓘ
New / Again

User Code — Up to 100 Users
Registr-ation: M Ⓘ 2 # 1 # UN # U # ✱ OR Ⓘ
Delete: 3 # UN # ✱ OR Ⓘ

Fingerprint — Up to 100 Users
Registr-ation: M Ⓘ 3 # 1 # 1 # UN # 🖐 ✱ OR Ⓘ 8times
Delete: 3 # UN # ✱ OR Ⓘ

RFID Key Tag — Up to 100 Users
Registr-ation: M Ⓘ 3 # 2 # 1 # UN # CARD # ✱ OR Ⓘ
Delete: 3 # UN # ✱ OR Ⓘ

Onetime Code — Only 1 User, Automatically deleted after use
Registr-ation: M Ⓘ 4 # 1 # 0 # ✱ OR Ⓘ
Delete: 3 # M # ✱ OR Ⓘ

※ UN User Slot Number should be 2 digits. like '01' ... '99' and '00'. Location of 100th user slot must be assigned "00" instead of "100".

Delete all credentials
Registr-ation: M Ⓘ 5 # M # ✱ OR Ⓘ

Language Change
Registr-ation: M Ⓘ 6 # 5 #
  1 Korean # ✱ OR Ⓘ
  2 Chinese # ✱ OR Ⓘ
  3 English # ✱ OR Ⓘ
  4 Taiwanese # ✱ OR Ⓘ

Bluetooth setting (Yale Access app)
Registr-ation: M Ⓘ 7 #   Set up a new device in the app

Remote Contoller — Up to 5 Users
Registr-ation: M Ⓘ 8 # 1 # UN # SET Button # ✱ OR Ⓘ
Delete: 3 # UN # ✱ OR Ⓘ

Home Network Controller
Registr-ation: M Ⓘ 9 # 1 # Controller # ✱ OR Ⓘ
Delete: 3 # M # ✱ OR Ⓘ

Switch to normal mode (from master mode)
Change Mode: M Ⓘ 6 # 1 # U # U Ⓘ
New / Again

※ Voice guidance :Voice guidance features assist in easy navigation through various features.
※ All registered passwords and other credentials will be deleted when mode is changed.
※ Please install(register) the network module when you want to use a remote control or home network.

26. Important notes

Do not install the digital door lock in an outdoor environment.

Do not attempt to disassemble the digital door lock by yourself.

Do not spray water directly or wipe with chemicals such as benzene, gasoline or alcohol.

Do not use force with a tool onto the product.

When using, remember that someone else can see the password.

Make sure the door is closed properly when going out.

27. Safety and Warning

• Do not install the digital door lock in an outdoor environment.
• Do not attempt to disassemble the digital door lock by your self. By doing so, you may get an electronic shock and damage the product.
• Do not use force with a tool onto the product.
• Make sure to lock the door tight when you go out.
• Be careful not to hit the handle as it may cause injuries.
• Do not use water and any type of solvent to clean the product such as gasoline or benzene as they can cause damage to electronic circuit, deterioration and or paint peel-off.
• It is recommended to change User Code on a regular basis.
• In manual lock mode, make sure to double check whether the door is securely locked.
• When External Forced lock is set and unlock the door, the alarm will be activated.
• Do not use rechargeable batteries. Only alkaline batteries are recommended.
• Make sure to follow the above instructions to avoid any injuries.
• It cannot be guaranteed in a special conditions & environment such as water condensation, seaside.
• Warranty will not cover- exposure to dampness, excessive heat, excessive humidity and other extreme environmental conditions, corrosion, damage beyond repair, rusting, unauthorised modifications, unauthorised repairs, neglect, accident, alteration, acts of God, spillage of liquid or food particles.

User Guide

YDM7220

RFID Key Tag / Fingerprint / PIN Code / Key

Part of ASSA ABLOY

PLEASE READ INSTRUCTIONS BEFORE USE.
The functions and design of this product can be changed without prior notice for performance and quality improvement.

Packaging of this product can be recycled.

WEEE Note:
Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check your local authority or retailer for recycling advice.

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