MP1110 *UNLOCK BY WISDOM*
Intelligent anti-theft lock
USERS'MANUAL

CONTENTS
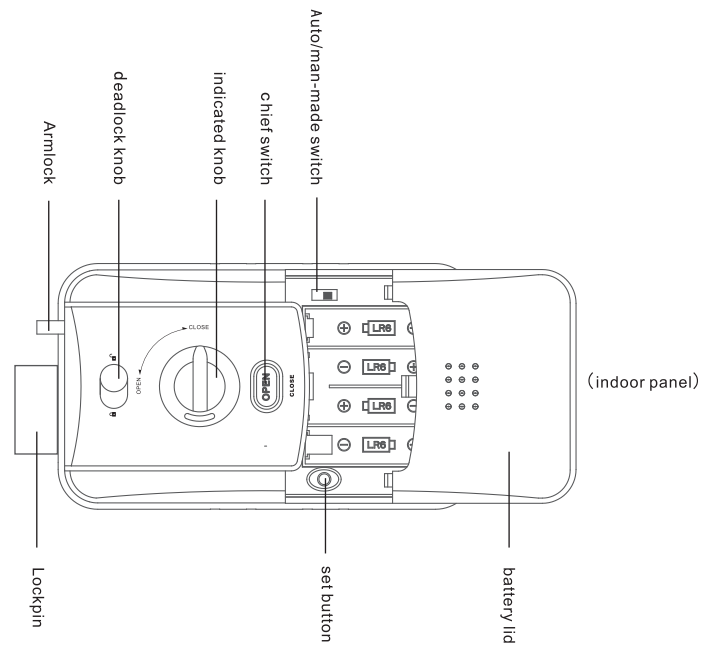
1.1 Lock panel.(lock panel figure)

slip cover for keypad

electrode for urgent power

Keypad.

Indicator light area

Induct area

（outdoor panel）

1.1Lock panel.(lock panel figure)

Auto/man-made switch

deadlock knob

indicated knob

chief switch

Armlock

CLOSE

OPEN

CLOSE

LR6

LR6

LR6

LR6

（indoor panel）

Lockpin

set button

battery lid

1.2 Function Introduction

OPEN CLOSE	Chief Switch for open/close the door.
(set button icon)	Set button for set/change/cancel the key. (Password/card/remote)
Auto Man-Made	Auto/man-made switch for lock.Turn left,will lock automatically When close the door;Turn right,will not lock automatically when Close the door unless you press the chief switch.
(deadlock knob icon)	Deadlock knob:make deadlock by turning the knob,then any operation outdoors will be invalid.
Open / Close	Indicated knob,show the lock status after operation on the chief switch
(originate button icon)	Originate button inside the PCB:press 3s,cancel all the data record on the PCB,also delete all keys granted by cards/passwords/remotes.

Installation Figure(lock panel figure)

rubber mat on outdoor panel

ST3.5×20

oriented screw

2-M4×10

2-M4×32

5-ST4.2×20

2-M4×30

2-M4×30

outdoor panel

Coil×2

alkalescent battery

bottom tray

indoor panel

battery lid

Door

rubber mat on indoor panel

Doorframe

4-ST4.2×20

fastened box

Installation Figure(lock panel figure)

Φ4
depth of hole 20

108

Φ20

23

Φ42

60

(front panel)

Unit:mm

82

51　15

5-Φ3
depth of hole 20

30

56

(rear panel)
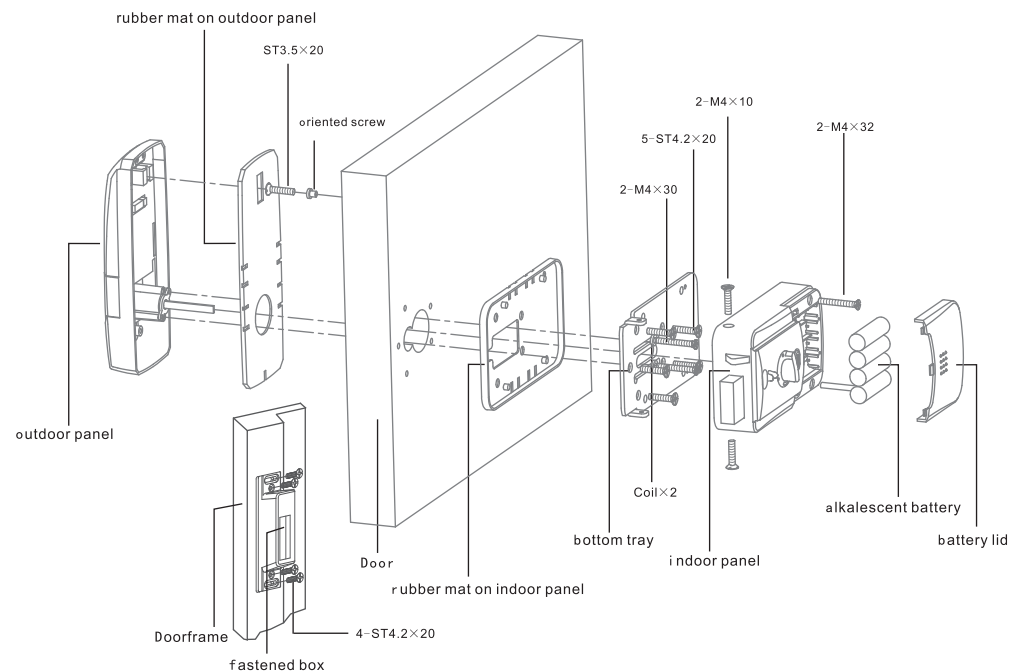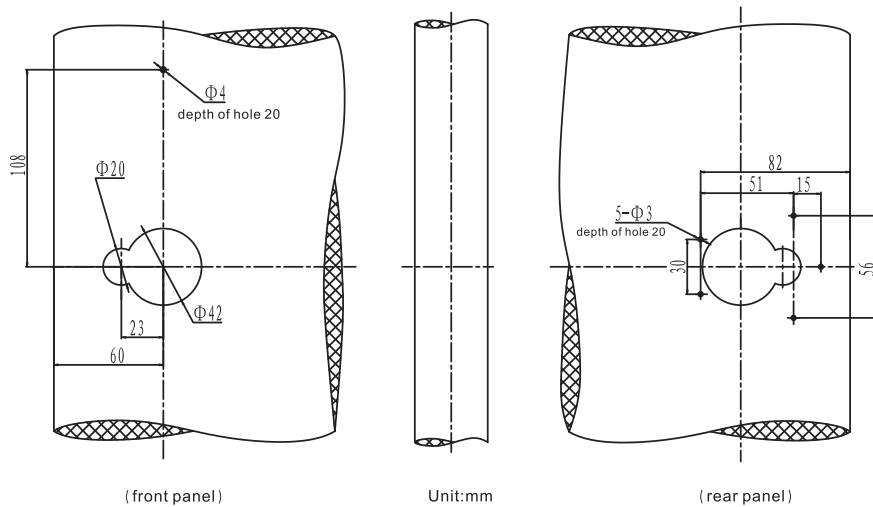
Product's Features

Convenient & simple

● Unlock by card/password/remote.

● Password:set it by numbers(up to16 digits),safe&reliable against theft.

● Convenient management on card/password/remote(set/add/del key).

● Deadlock indoors.

● Alarm against error(illegal card/wrong password)

● Auto alarm/mobile alarm against force open.

● Auto lock:lock automatically when close the door.

● Keypad with backlight:can login numbers even in night and Shadow.

● Remote:unlock by remote in range of 30m even with obstacle.

Security & power saving

● Power saving:battery used for above 1year,and alarm when low battery.

● Excellent quality: made of alloy for firm structure;authorized by official Security dept.with quality guarantee.

● Fast/timely sevice:after service availabe by our service center nationwide.

Applied location

● Restaurant\hotel\house\villa\apartment\dormitory\office building\college\hospital\training centre.
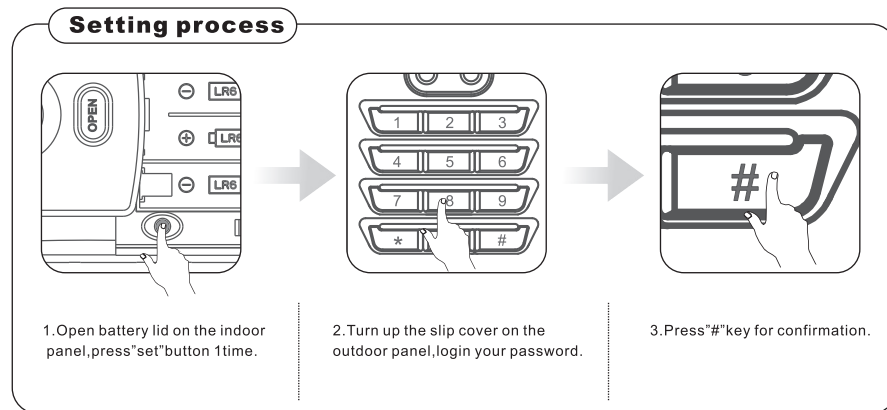
4.1.How to set password as key (4.1a.Set main password)

1.Password usage

※ Record is originated when lock outgoing from work

4.1a.Set main password

Open battery lid on the rear panel,press"set"button 1time,Login the password on the keypad, which on the front panel,then add "#"key. When succeed,chord will be sent out.
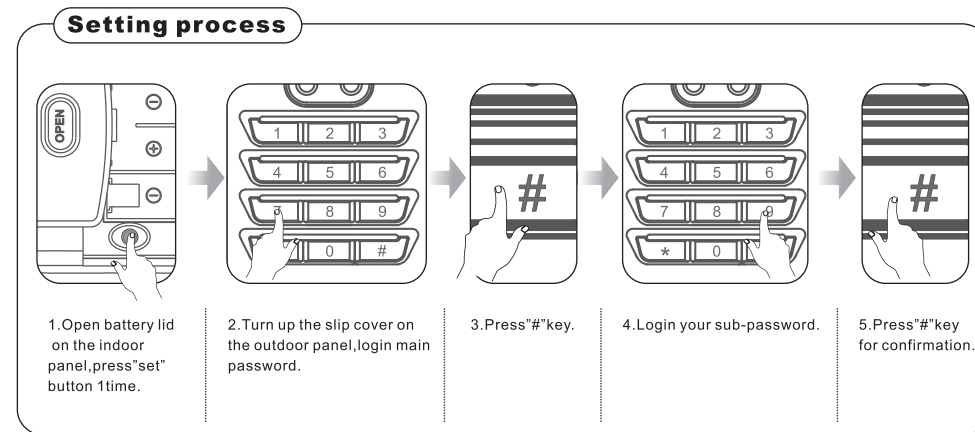
(Password can be set up to 16digits for your option.)

Setting process

1.Open battery lid on the indoor panel,press"set"button 1time.

2.Turn up the slip cover on the outdoor panel,login your password.

3.Press"#"key for confirmation.

Notice:One lock match only 1main password.If need change, cancel it first,then set again.Once no any operation 8s before above process,Setting will logout and be invalid.

4.1.How to set password as key (4.1b.Set sub-password)

4.1b.Set sub-password.

Press"set"button 1time,login main password,add"#"key;then login your sub-Password,add"#".When succeed,chord will be sent out.

(sub-password can be set up to 16digits for your option).

Setting process

1.Open battery lid on the indoor panel,press"set" button 1time.

2.Turn up the slip cover on the outdoor panel,login main password.

3.Press"#"key.

4.Login your sub-password.

5.Press"#"key for confirmation.

Notice:Once no any operation 8s before above process,setting will logout and be invalid.

4.1.How to set password as key (4.1c.Cancel main password)

4.1c.Cancel main password.

Press"set"button 3times,login main password,add"#"key.

When succeed,chord will be sent out.

Deleting process

1.Open battery lid on the indoor panel,press"set"button 3times.

2.Turn up the slip cover on the outdoor panel,login main password.

3.Press"#"key for confirmation.
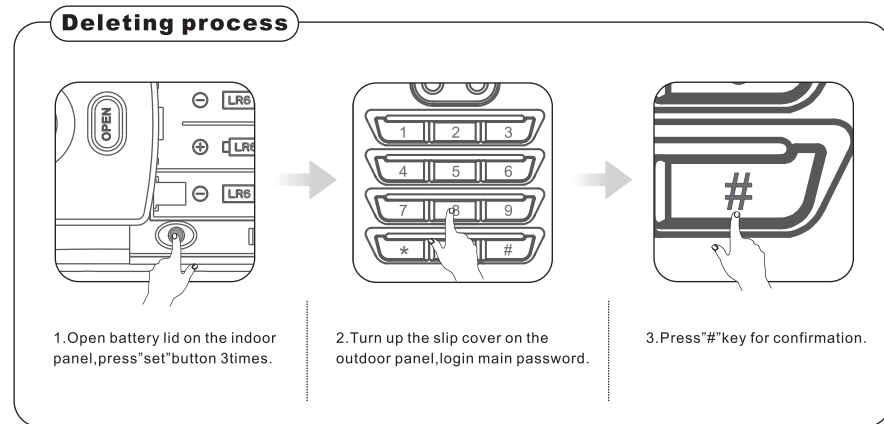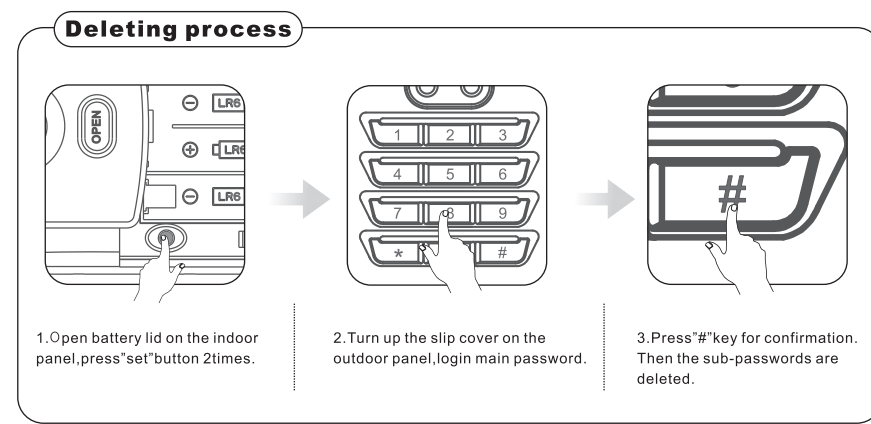
Notice:Once no any operation 8s before above process,setting will logout and be invalid.

4.1.How to set password as key (4.1d.Cancel sub-password)

4.1d.Cancel sub-password.

Press"set"button 2times,login main password,add"#"key.

When succeed,chord will be sent out.

Deleting process

1.Open battery lid on the indoor panel,press"set"button 2times.

2.Turn up the slip cover on the outdoor panel,login main password.

3.Press"#"key for confirmation. Then the sub-passwords are deleted.

Notice:Once no any operation 8s before above process,setting will logout and be invalid.

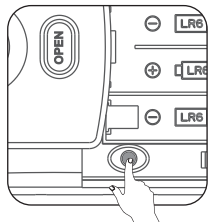## 4.2.How to set card and remote as key （4.2a.Set main card）

4.2a.Set main card
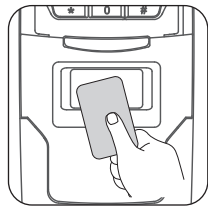
※ Before setting,confirm the data record originated .

Press"set"button 1time,place the main card near the inducted area on the outdoor panel.

When succeed,chord will be sent out.

Setting process

1.Open battery lid on the indoor panel,press"set"button 1time.

2.Place main card near the inducted area on the outdoor panel.

Notice:One lock match only 1main card.If need change, cancel it first,then set again.Once no any operation 8s before above process,Setting will logout and be invalid.

## 4.2.How to set card and remote as key （4.2b.Set sub-card）

4.2b.Set sub-card

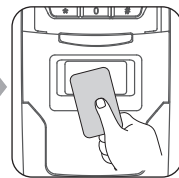※ The total quantity of cards and remotes should be less than 97pieces.

Press"set"button 1time, Place main card near the inducted area,and Login 2digits as code for your option, add"#"key.Then place one or several sub-cards near the inducted area in turn.

The chord will be sent out when each sub-card granted by the main card.Finally confirm it by main card inducting again or 8s interval.
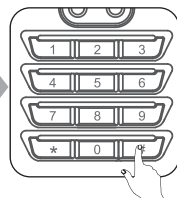

Setting process
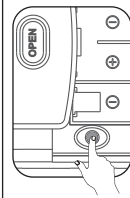
1.Open battery lid on the indoor panel,press"set" button 1time.

2.Place main card near the inducted area on the outdoor panel.

3.Login 2digits as code on the keypad,then add"#"key.
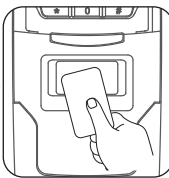
4.Place one or several sub-cards near the inducted area in turn.

5.Main card inducts again or wait 8s interval for confirmation.

Notice:The sub-card without code can not be cancelled by deleting code.

All sub-cards with same code will be cancelled together by deleting the code.(Read page14 for detail)

Once no any operation 8s before above process,setting will logout and be invalid.

4.2.How to set card and remote as key （4.2c.Set remote）

4.2c.Set remote

※ The total quantity of cards and remotes should be less than 97pieces.

Press"set"button 1time, Place main card near the inducted area,andLogin 2digits as code for your option,add"#"key.

Then press "open"button on the remote(can match several remotes in turn).The chord will be sent out when each remote

granted by the main card.Finally confirm it by main card inducting again or 8s interval.

Setting process

1.Open battery lid on the indoor panel,press"set" button 1time.

2.Place main card near the inducted area on the outdoor panel.

3.Login 2digits as code on the keypad,then add"#"key.

4.Press "open"button on the remote.

5. Main card inducts again or wait 8s interval for confirmation.

Notice:The remote without code can not be cancelled by deleting code.
All remotes with same code will be cancelled together by deleting the code.(Read page15 for detail)
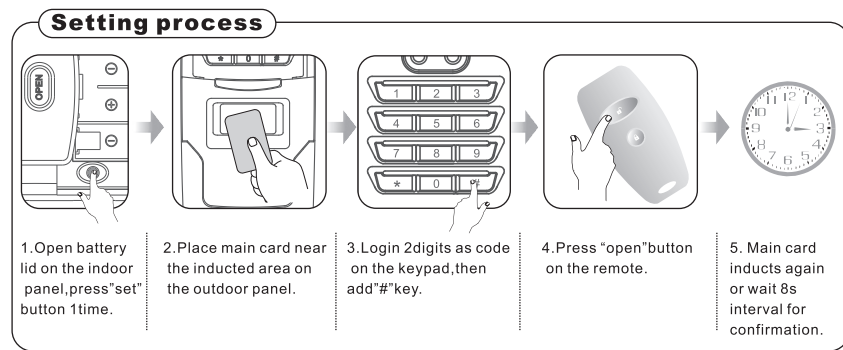Once no any operation 8s before above process,setting will logout and be invalid.

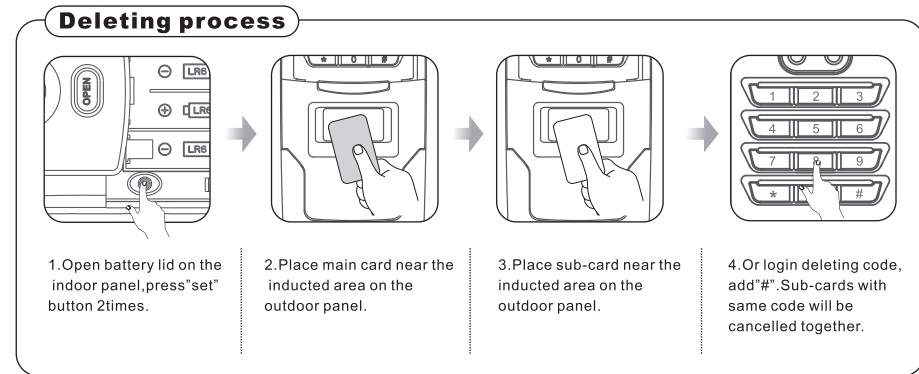## 4.2.How to set card and remote as key （4.2d.Cancel sub-card）

4.2d.Cancel sub-card

※ This operation in condition that sub-card exists.

Press"set"button 2times, Place main card near the inducted area,then place sub-card near the inducted area or login code NO.

(Can cancel several sub-cards in turn). The chord will be sent out when succeed.

Once place main card near the inducted area,cancel operation will logout.

Deleting process

1.Open battery lid on the indoor panel,press"set" button 2times.

2.Place main card near the inducted area on the outdoor panel.

3.Place sub-card near the inducted area on the outdoor panel.

4.Or login deleting code, add"#".Sub-cards with same code will be cancelled together.

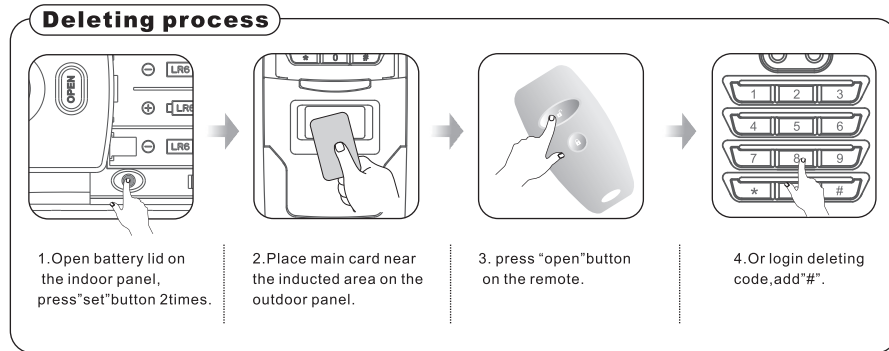Notice:Once no any operation 8s before above process,setting will logout and be invalid.

4.2.How to set card and remote as key （4.2e.Cancel remote）

4.2e.Cancel remote

※ This operation in condition that remote exists.

Press"set"button 2times, Place main card near the inducted area,then press "open"button on the remote or login code NO.
(Can cancel several remotes in turn).
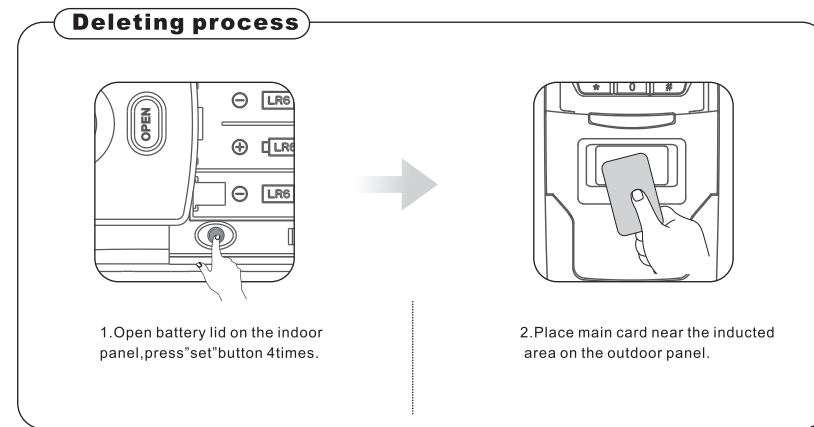The chord will be sent out when each succeed.Once place main card near the inducted area,cancel operation will logout.

Deleting process

1.Open battery lid on the indoor panel, press"set"button 2times.

2.Place main card near the inducted area on the outdoor panel.

3. press "open"button on the remote.

4.Or login deleting code,add"#".

Notice:Once no any operation 8s before above process,setting will logout and be invalid.

4.2.How to set card and remote as key （4.2f.Cancel all sub-card and remote）

4.2f.Cancel all sub-card and remote

※ This operation in condition that sub-cards/remotes exist.

Press"set"button 4times, Place main card near the inducted area.
The chord will be sent out when succeed.

Deleting process

1.Open battery lid on the indoor panel,press"set"button 4times.

2.Place main card near the inducted area on the outdoor panel.

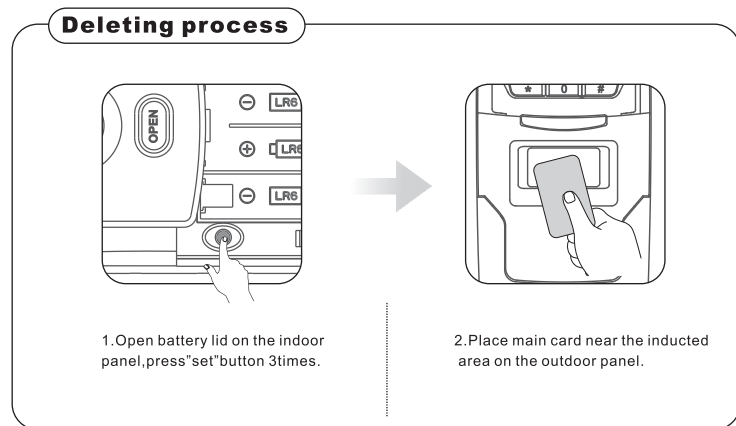Notice:Once no any operation 8s before above process,setting will logout and be invalid.

4.2.How to set card and remote as key （4.2g.Cancel main card）

4.2g cancel main card

※ This operation in condition that main card exist.

Press"set"button 3times, Place main card near the inducted area.

The chord will be sent out when succeed.

Deleting process

1.Open battery lid on the indoor panel,press"set"button 3times.

2.Place main card near the inducted area on the outdoor panel.

Notice:Once no any operation 8s before above process,setting will logout and be invalid.

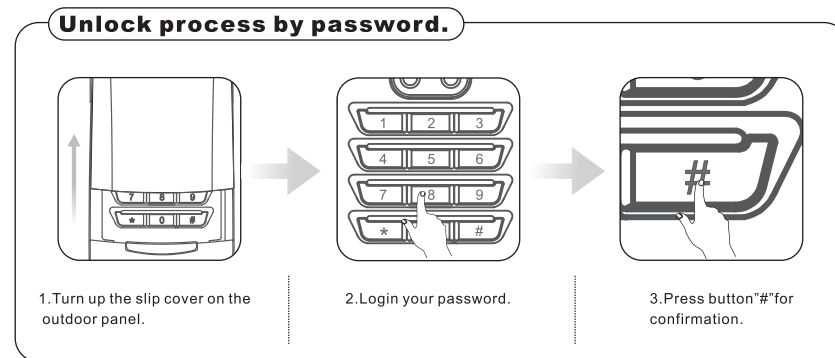
4.3.How to use password as key

a. Indicated chord.

Unlock by password +button"#",then chord sending out.

b.No indicated chord.(mute)

Press button"#",login password+button"#":unlock the door with mute.Press button"#"again to recover normal status.

c.Press button"*"for lock.

Unlock process by password.

1.Turn up the slip cover on the outdoor panel.

2.Login your password.

3.Press button"#"for confirmation.

Notice:Add several digits at random before the real password against theft.If error exists,press button"*"to logout.

4.4.How to use card as key

A.With indicated chord.

　　Unlock by card near the inducted area,then chord sending out.

B.Without indicated chord.

　　Press button"#",place the card near the inducted area:unlock the door with mute.

Unlock process by card

With chord

Without chord
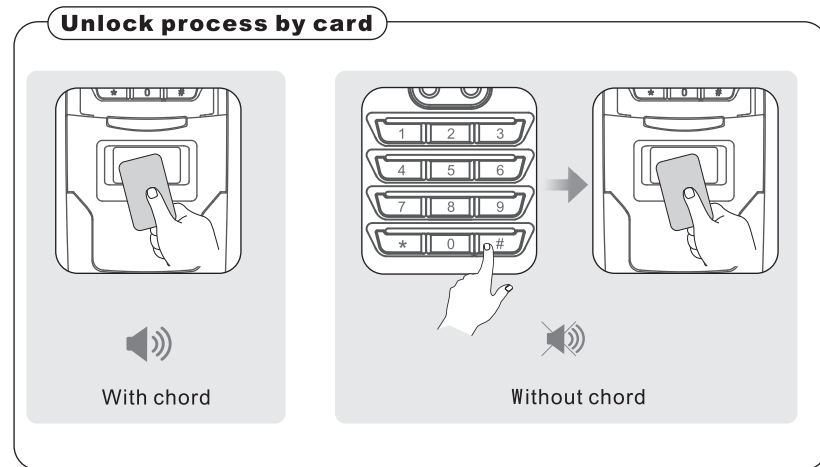
4.5.How to use remote as key

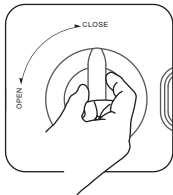Open the door:under normal signal,press button"open"on the matched remote;

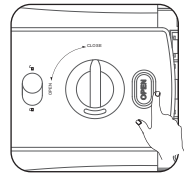Close the door: under normal signal,press button"close"on the matched remote.

Unlock process by remote

Unlock by press button"open".

Lock by press button"close".
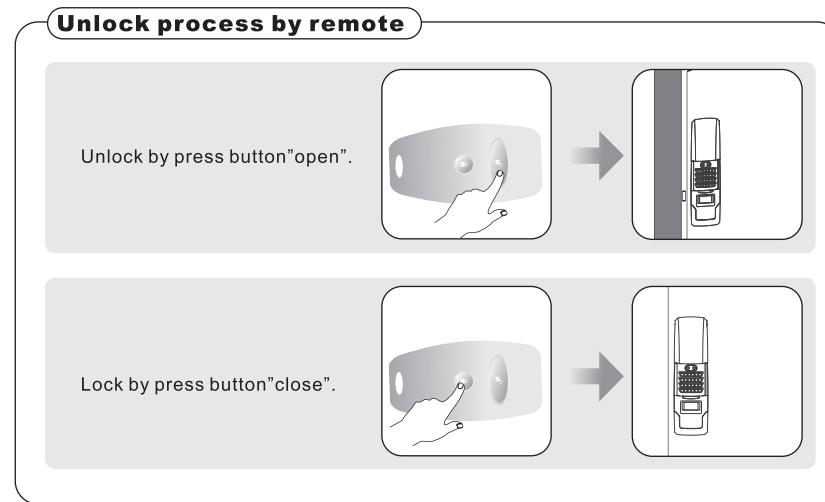
5.1.Switchs for open/close

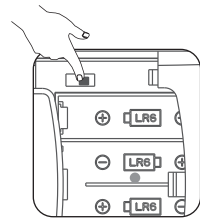Turn indicated knob(to open/close),or press chief switch for unlock/lock.

Indoor switchs operation

1.Turn indicated knob to open/close position for unlock/lock.

2.Or press chief switch for unlock/lock.

3. Start auto/man-made switch for lock automatically ,until close the door 3s later.
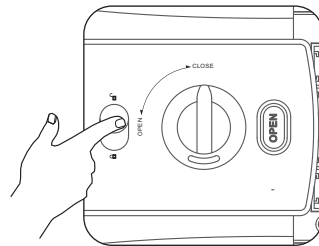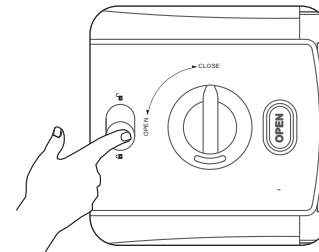
5.2. Deadlock knob

Set deadlock:

Turn down the deadlock knob for deadlock,then any operation outdoors will be invalid.

Turn up the deadlock knob for unlock,then operation outdoors will be available.

Deadlock operation

1.Turn the deadlock knob to the open position,deadlock available.

2.Turn the deadlock knob to the close position,deadlock unavailable.

6.1.Indoor battery and outdoor urgent battery.

● Replace time of battery:

When close the door,sending low-battery chord,the battery should be replaced.Please pay attention to the production time
because of physical discharge with overlong time storage.

● Battery usage:

● Notice:

| MODEL	SHS-DL781
BATTERY	"AA" SIZE×4PIECES

1.If battery still used during replace time,operation should be unavailable.Please replace it timely.

2.Confirm the electrode correct,otherwise work be invalid.

3.Lock will be in trouble if battery discharge/leakage.So make inspection periodically(about 2times/year).

If 4pcs x 1.5V batteries exhausted,lock can not be open by password/card/remote.

Then use the backup battery(6LR61),

connected to the electrode on the outdoor panel.

Operation will be available again.
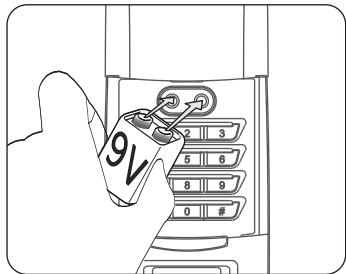
Operation process of urgent battery recharge

7.1.Parameters and Specification

1.Basic parameters

1.1.power:door lock uses 4pieces AA alkalescence battery,work voltage ranged in 4.0V-6.5V.Remote uses 1piece 12V
alkalescence battery(same as battery used for automobile remote).

1.2.Door PCB and remote PCB have anti-connection function.

1.3.Outdoor panel size:190mm(L)X75mm(W)X75mm(H)

1.4.Indoor panel size:150mm(L)X90mm(W)X40mm(H)

1.5.Urgent charge：has electrode on outdoor panel,support 6-9V DC.

1.6.Low voltage alarm:4.4±0.2V(door lock).

1.7.Static current:for door lock≤20uA,for remote≤1uA.

1.8.Work current:for door lock≤200mA,for remote≤50mA.

1.9.Work temperature:-20℃-55℃.

1.10.Storage temperature:-30℃-70℃.

1.11.Work humidity:work normally under 93%RH.

1.12.Average work time without disturb:≥25，000h.

1.13.When power exhausted,key record sill be saved.

1.14.Against interference from RF magnetic field:under 80MHz-1000Mhz(adjusted frequency:1KHz,adjusted degree:
80%)interference,testing field power:10V/m.No error operation exists during test,while work normally after test.

1.15.Against disturb from static discharge:can afford 15k testing discharge from mute.No error operation/ temporal
invalid function exists during test,while work normally after test.

1.16.Drive time of motor:clockwise and anticlockwise rotating need 3s in total.Light coupler will check the motor at place
or not within 3s.When located at place,stop rotating;otherwise alarm will be sent.

2.Requirements on function

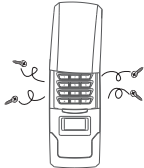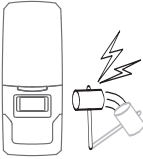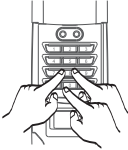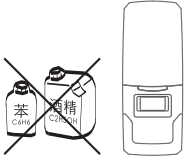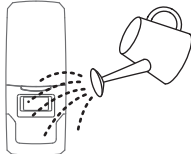2.1.Unlock by RF card/password/remote/chief switch on the indoor panel.

2.2.Can match one main card,97keys(include sub-cards and remote in total);main card can set/cancel sub-cards,also
can cancel remote/open the lock.

7.1.Parameters and Specification

2.3.Can set 2 groups password,1 for main password,1 for sub-password.

　　Main password can set/cancel sub-password,also can open the lock.

2.4.The distance between lock and remote can reach above 30m even with obstacle.The remote work when match lock＇s code,

　　its illegal open rate less than 1/264;Better speed and sensitivity can be available when unlock by remote.

2.5.Sensitive unlock by RF card:the interval between read card and unlock less than 0.4s.

2.6.Backlight:4 blue lights with high brightness assembled inside the keypad panel.Once operate on keypad and/or slide the slip

　　cover,backlight will be flash.No any operation 8s after backlight flash,press button＂*＂to turn off the backlight.

2.7.Password anti-theft function:when set password, add several digits at random before the real password against theft.

2.8.Storage temperature:-30℃-70℃.

2.9.Press＂*＂also can lock the door.

2.10.Sliding slip cover function:backlight flash 8s when slide the slip cover.Static current will not be affected by sliding for long time.

2.11.Alarm against theft:Auto alarm/mobile alarm against force open.

2.12.Alarm against error operation:no keypad operation with sliding the slip cover 5times/login wrong password 5times/unlock by

　　　illegal card 5times,will send alarm for 30s,then be deadlock for 1m which any operation be invalid.Cancel the alarm by legal

　　　card/remote/indoor swtich.

2.13.Battery inspection function:after put on battery,will be inspected by PCB privately.Indicated light and backlight will flash with

　　　chord sending,motor in calm.

2.14.Voice for open/close the door:open/close the door,chord will be sent out as an indication.

2.15.Main card/main password can be changed:before change it,cancel the old main card/old main password.

2.16.Deadlock function:start deadlock,any operation outdoors be invalid.When unlock by card/password/remote,deadlock

　　　will be suggested.

2.17.Press any key with shout chord＂dy＂.

2.18.Can cancel the sub-cards/remote by login the code.

8.1.Notice

8.1.Notice

1.Keep the password concealed.

Before using,press originate button for originating to ensure all the

previous record cancelled.Set the key by password/card/remote again.

2.Set and change the password periodically.

Set and change the password periodically against the password revealed and criminal.

3.Keep the RF card and remote carefully.

When RF card and remote miss,cancel the matched setting on time.

4.Pay much attention to cleaning the product.

Product will be in trouble when water leak into the panel.

5.Do not repeat error operation much times.

No keypad operation with sliding the slip cover 5times/login wrong password 5times/unlock by illegal card 5times,will send

 alarm for 30s,then lock be deadlock for 1m which any operation be invalid.

6.Do not disassemble the product.

When in trouble,do not repair it privately as its complicated structure and PCB,otherwise will make the item worse.Without

 specialist for repair,contact our after-service centre.

9. Mobile alarm system (for user's option).

Before setting,make sure:

   A.Lock matched with main card.

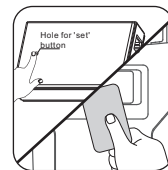   B.Adapter record is originated: open the adapter lid,press "set"button 1time on the PCB.

Setting process for lock with mobile function.

   1.Connect the adapter to socket by charger.

   2.Connect the adapter to cell phone:plug the telephone line into adapter port to finish it.One adapter only connect 1phone.

   3.Connect the signal between the adapter and lock.Originate the adapter record first.After inducting by ungranted card more than 5times,lock will

      send alarm voice.Once receiving the alarm signal,the adapter will send succeed chord.

   4. Use phone/mobile to call the cell phone connected to the adapter.

   5.After getting through, dial target mobile number for alarm,add"#"on the former phone.

   6.After illegal operation on the lock(inducting by ungranted card more than 5times),if alarm voice sent out from the target mobile,setting is finished.

      Notice:adapter only read signal from main card.Lock with changed main card,will not have mobile alarm system, which should be set again.
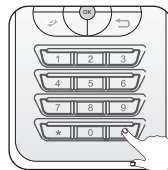
Setting process
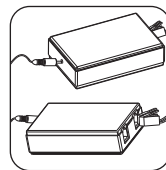
1.connect the adapter to
socket and cell phone.

2.originate adapter record first,
make illegal operation on lock
(by induct illegal card5times).
When adpaterreceive alarm
 from lock,whichwill send chord,
connecting succeed.

3.use phone/mobile to call
the cell phone connected
to the adapter.

4.After getting through
by sending chord, dial
target mobile number
for alarm,add"#"on the
former phone.