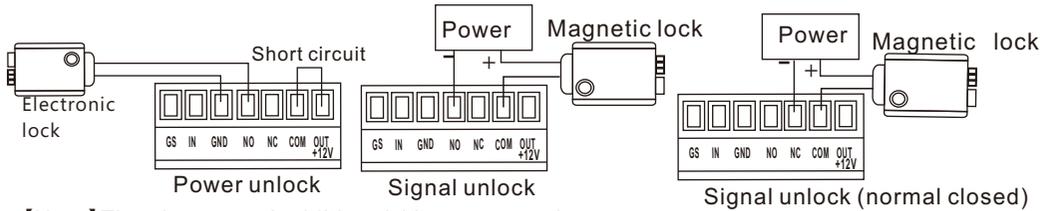


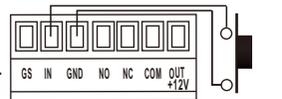
## 9 Wiring notes

### 1 Outdoor station connect to electronic lock

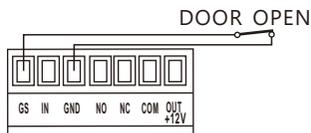


【Note】The above need additional 12 power supply.

(1) **Press button unlock:** Inside the door, press this button unlock.



(2) **Door open detection:** please refer to right side picture for the related wiring connection.



### 2 Outdoor station to module wiring

Outdoor station		Module
+12V Positive(DC13.5V)	↔	VCC Positive (DC13.5V)
R&S Audio	↔	AF Audio
DATA Data	↔	DATA Data
GND GND	↔	GND GND

### 3 Module to indoor station wiring

Module	Handset indoor station	Module	Handsfree indoor station
T&R/AF	↔ Indoor station public	VCC	↔ VCC Power positive
G1/AGND1	↔ 1st indoor station	GND	↔ GND Power ground
G2/AGND2	↔ 2nd indoor station	AGND	↔ AGND Audio ground
G3/AGND3	↔ 3rd indoor station	AF	↔ AF Audio
G4/AGND4	↔ 4th indoor station		

# WL-03NL V2

# Content

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- 2. Features .....01
- 3. Technical parameter .....01
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- 6. LED outdoor station setting .....02
- 7. Operation notes .....04
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## Call

1. Visitor call room no., input room no. (e.g. 0101), enter calling mode, door station hear the ring-back tone, LED display Pic. 24. If no one answer within 30s, it will end the call.

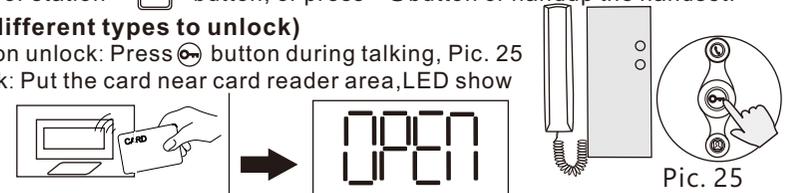


## Indoor station answer

1. After calling, press this button or pick up indoor station handset to talk.
2. Press button to unlock
3. Press outdoor station button, or press button or handup the handset.

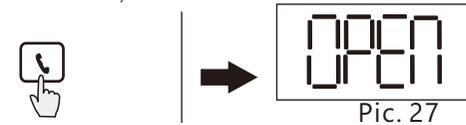
## Unlock (4 different types to unlock)

1. Indoor station unlock: Press button during talking, Pic. 25
2. Card unlock: Put the card near card reader area, LED show Pic. 26



3. Password unlock

1) Public PS unlock press to enter password unlock interface, input the public password, press # to confirm, LED shows Pic. 27



[Note] Public password is with 1234 originally. This feature is disable/close in default.  
 2) User PS unlock: Press button to enter user PS unlock interface, LED shows below  
 Input the room number, press # button, then input PS, press # button, LED shows Pic. 28



[Note] User default PS is 1234, this feature is disable/close in default. To enable/open this feature, please refer to page 4 "PS unlock". Wrong password will show Pic. 29.

4. Exit unlock: Install one exit button inside the door



## User password change

User press button to enter the user password unlock interface, LED shows Pic. 31

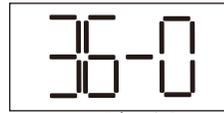


Input room number: e.g. [0][1][0][1]

Input original PS, e.g. 1234, then input 4 new PS, e.g.: 4321, and press 4321 again, the outdoor station will sound long "Di" means PS change successful. Refer to Pic. 32

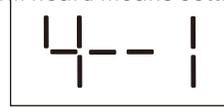
## 8. System diagram

Standby status →[#]→system PS→[3][#]→[6][#]  
 Enter [3-0] interface, press[6][#] button, to enter on/off line select mode, last digit"0" is the related mode. LED display Pic. 16.



Pic.16

Input 0 means on line mode, input 1 means offline wall station, input 2 means offline block outdoor station, input 3 means offline building outdoor station, press [#] button to confirm. A long "Di" will heard means setting done.



Pic.17

## 5. Password unlock (Disable in default)

Standby status →[#]→system password→[4][#]

Enter setting [SET] interface, press[4][#] button, to enter into password unlock setting, LED display the setting data, refer to Pic. 17.

0+#= all disable;1+#= public password enable(refer Pic.17);2+#=user password enable;

3+#=all enable, input the related digit+[#], a long "Di" will heard means setting done.

## 6. Unlock time setting(1 second in default)

Standby status →[#]→system password→[5][#]

Enter setting [SET] interface, press[5][#] button, to enter into unlock time setting, LED display the setting data, refer to Pic. 18. Input the related 2 digit and press[#] to confirm, then can set the outdoor station unlock time.



Pic.18

Note: Unlock time setting range from 01-20s.

## 7. System password change

Standby status →[#]→system password→[6][#]

Enter setting [SET] interface, press[6][#] button, to enter into system password setting, refer to Pic. 19. Input original PS, e.g.2012,



Pic.19



Pic.20

LED display Pic.20, inter new password, e.g. 1234, re-inter the new password, e.g. 1224, a long "Di" will heard means setting done.

## 8. Public password change

Standby status →[#]→system password→[7][#]

Enter setting [SET] interface, press [7][#] button, to enter into system password set,



Pic.21



Pic.22

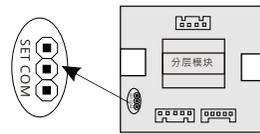
refer to Pic.21, input the original password, e.g. 2012, LED display Pic. 22, input the new password, e.g. 4321, re-input 4321, a long "Di" will heard means setting done.

Note: Public default password is 1234.

## 7. Operation notes

Before setting, power on the system, LED will light, means the outdoor station has been started successfully.

User no. set : Please put the module(Pic.23) shorting cap to the "SET" position, press module "SET" button, then module indicator light will flash fast, outdoor station display "Addr", input 4 digits room number, outdoor station display "Port", input module port number ( 1 to 4 ), door station display "Addr", means room number setting successful, then you can continue to set other room numbers.



Pic.23

If input the wrong port number, door station display "Err" and "Addr", means the room no. setting failure, need to re-set again. After setting room no., press set module "SET" button, the indicator light will flash slow, and quit setting status. After setting, put the shorting cap to "COM" position, to save the room no..

## 1. System briefing

- Keypad outdoor station, easy setting and installation
- Can intercom with outdoor station or management unit, with alarm and remote unlock feature
- Outdoor station support each apartment password unlock
- Each outdoor station can connect upto 100 modules
- Each module can connect upto 4 modules

## 2. Features

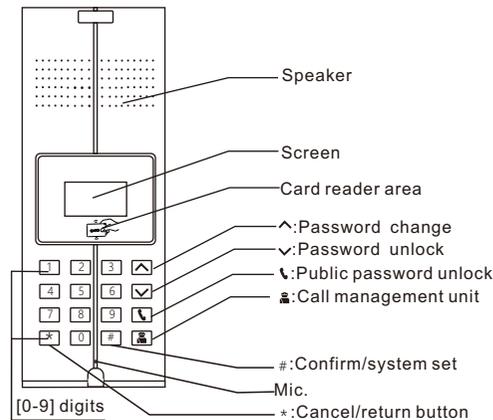
- LED indication, easy operation
- Aluminum panel with elegant looking
- Call indoor station to unlock, call management unit to unlock, card reader unlock, password unlock, exit button unlock
- Small power consumption when it is in standby/static status
- Two different indoor stations for option

## 3. Technical parameter

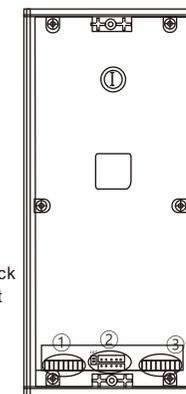
Model no.	Working parameter	Screen
Q2D31	Working voltage:DC 12V Static current:≤70mA(DC 12V) Working current:≤250mA Temperature:-40°C~+70°C	Type:LED Size:50.3*18.9mm

## 4. Layout and terminal

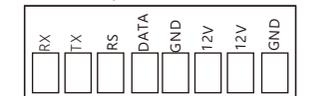
### Front view



### Rear view



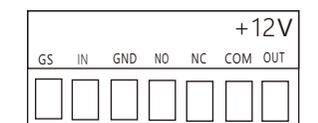
### ① Gateway/module terminal



### ② Software upgrade port

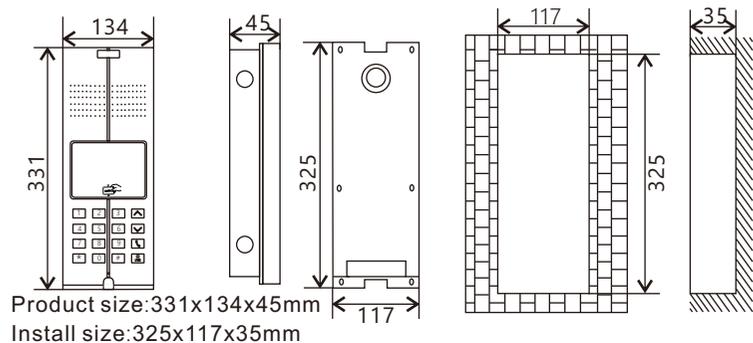


### ③ To electronic lock port; To exit button port; Door open detection terminal

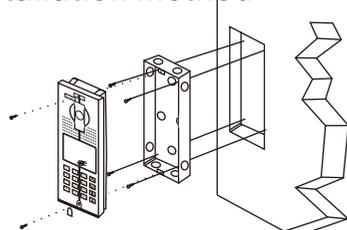


## 5. Installation notes

### Dimension

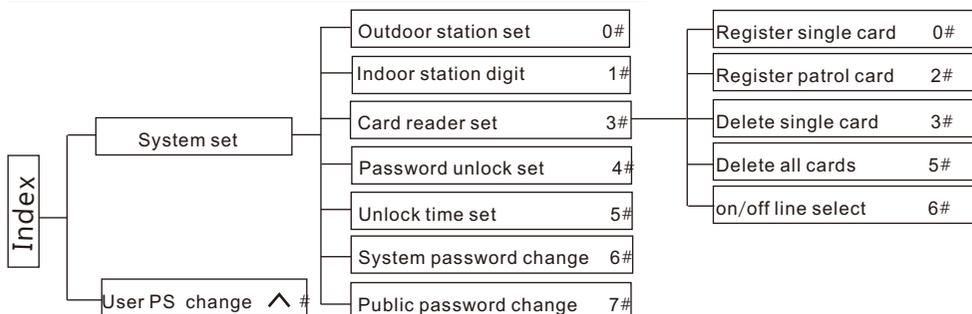


## Installation method



1. Drill a hole according to outdoor station size on the wall or on the door.
2. Fix the outdoor station rear cover on the hole.
3. Fix the outdoor station to the rear cover, and fix/screw the front panel.

## 6. LED outdoor station setting



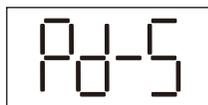
## Enter setting

Standby status → [#] → system password  
Standby status, press # button, LED shows Pic. 1. Input system password to enter setting status, shows Pic. 2. If input wrong password, shows Pic.3 to indicate wrong PS.

[Note] System default password is 2012

### 1. Outdoor station setting

Standby status → [#] → system password → [0][#]  
Enter setting **SET** page, press [0][#], start the outdoor station set, LED displays last set data, refer to Pic. 3  
Input outdoor station no., e.g. 0001, press [#] to confirm. Long "Di" mean set done. Press [\*] to return to **SET** interface, re-enter the setting again.



Pic.1



Pic.2

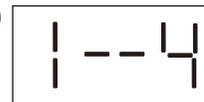


Pic.3

### 2. Indoor station digit setting (4 digits in default)

Standby status → [#] → system password → [1][#]

Enter indoor station no. setting, LED displays Pic. 4. The last digit/number "4" is the current indoor station digit, you can change to number 1, 2, 3. When the setting is done, press [#] to save.



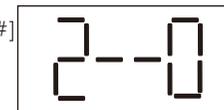
Pic.4

the setting. Long "Di" means the indoor station number digit setting is successful.

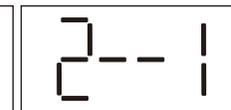
### 3. Alarm setting (close in default)

Standby status → [#] → system password → [2][#]

Enter setting **SET** interface, press [2][#], to enter the door station alarm setting, refer to



Pic.5



Pic.6

Pic. 5.

Input [0][#], to close the door station alarm,

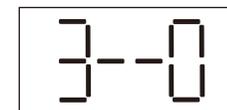
refer to Pic.5. Input [1][#] to start door station alarm, refer to Pic.6. After done set, press [\*] to return to **SET** interface.

Door open detect alarm: The outdoor station will sound "DiDi" alarm when the door is open and keep open for 12 seconds, and the outdoor station's LED will display "Open". If close the alarm within 30 seconds, then it will stop alarming and LED's "Open" information will disappear. If not, after "DiDi" alarm 30 seconds, then it will stop alarming. And next time need to close the door after the delay alarm time is time-out, then you can enable the next time's door open detect alarm.

### 4. Card reader setting

Standby status → [#] → system password → [3][#]

Enter setting **SET** interface, press [3][#], to enter the card reader setting, refer to Pic. 7.



Pic.7

#### 4.1. Register single card

Standby status → [#] → system PS → [3][#] → [0][#]

Enter **3--0** interface, press [0][#], to enter single card register mode. LED display Pic.8



Pic.8



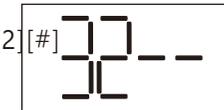
Pic.9

Input the card number, press [#] (or swipe the card), when setting is successful, LED will display Pic. 9, meanwhile a long "Di" will heard.

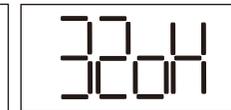
#### 4.2. Register patrol card

Standby status → [#] → system PS → [3][#] → [2][#]

Enter **3--0** interface, press [2][#], to enter patrol card register mode, LED display Pic.10.



Pic.10



Pic.11

Input the card number, press [#] (or swipe the card), when setting is successful, LED will display Pic. 11, meanwhile a long "Di" will heard.

#### 4.3. Delete single card

Standby → [#] → system PS → [3][#] → [3][#]

Enter **3--0** interface, press [3][#], to enter single card delete mode, LED display Pic. 12  
Input card number, press [#] (or swipe card)



Pic.12



Pic.13

when setting is successful, LED will display Pic. 13, meanwhile a long "Di" will heard.

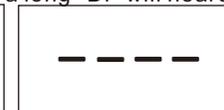
#### 4.4. Delete all cards

Standby → [#] → system PS → [3][#] → [5][#]

Enter **3--0** interface, press [5][#], to enter all card delete mode, LED display Pic.14



Pic.14



Pic.15

Press [#] to confirm delete, LED show Pic. 15

when setting is successful, LED will display Pic. 15, meanwhile a long "Di" will heard.

[Note] Please do not do this operation/setting, otherwise all cards will be deleted.

#### 4.5. On/off line select (on line mode in default)