Manual

Indoor

NH Series Digital Systems
Indoor Machine

V1.0NH-20200420

Notes

1.Please stay away from strong magnetic field, high

   temperature, wet environment;

2.Do not drop the equipment to the ground or cause it to be
  strongly impacted;

3.Do not use wet cloth or volatile reagents to wipe equipment;

4.Do not disassemble this equipment by yourself.

Directory

Chapter I. Functional overview

Based on the TCP/IP transmission protocol, this product is the main component of the digital building intercom system, supporting visual intercom, anti-area settings and standby picture push display.

- Design of 7-inch capacitive touch screen
- Support 24 V non-standard PoE power supply (default 4/5&7/8 line power supply)
- Support for connecting doorbell and small door machine
- Extensible call ladder function to receive household/visitor call ladder
- Can monitor door machine, small door machine, fence machine, IP camera
- Information received and sent, can receive information sent by the management center
- Support a multi- extension, withdrawal / deployment synchronization function
- Visibility of visitors to households, households and management centres
- It has the function of indoor communication and household communication, which can realize the intercom between residents and households in residential areas
- Can set up standard 7 area security alarm function and 8 IO area square alarm function

Chapter II Product Profile

2.1 Product appearance

2.2 Product Size Chart

180mm

160mm

18mm
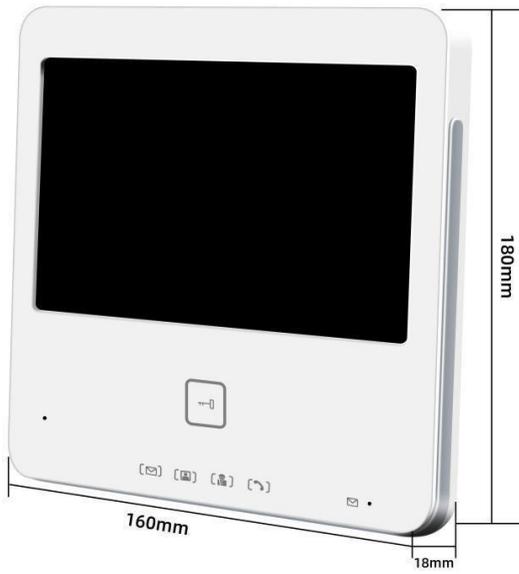
2.3 Interface description
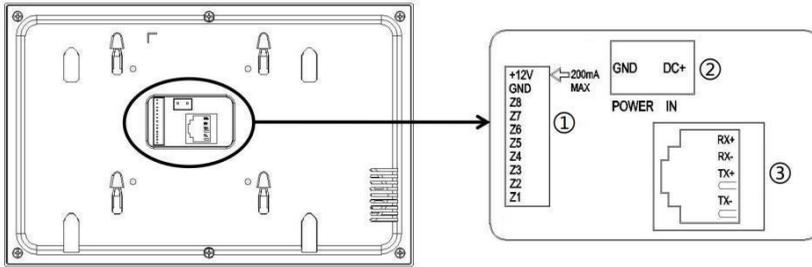
Number 1

+12 V 、GND ： area detector power supply interface
(power supply current ≤200 mA) Z8 to Z1： standard
area interface, support access to open / close
security module.

Number 2

Power input interface DC 12V ~24 V.

Number 3

Network interface (non-standard DC 24V POE power supply).

Note: the opening of the rear shell of the indoor extension

2.4 Specification parameters

Working voltage: DC 24V

Static current :≤80 mA

Working current :≤200 mA

Output current :≤200 mA

(for independent power

supply only, output

voltage :12 V)

Screen :7 inches

Resolution :1024×600

Shape Size (L ×W ×D):220×140×17.5 mm

Temperature :-10℃~+55℃

Ring duration :30 seconds
Call duration :120 seconds
Monitoring duration :30 seconds

Chapter III Basic Functions

3.1 Standby interface

Alarm record

 Click on the icon to view the alarm records that have occurred and set up each area.**Information**

 Click on the icon, residents can view the community published information.**Call record**

 Click on the icon to view, read, delete visitors, management center and household call records.**Intercom call**

 Click on the icon, enter the intercom interface, can call the management center, other households, other indoor units.

**Video surveillance**

Click Icon, can monitor the door machine;

Click Icon, can monitor small door machine;

Click Icon, can monitor the wall machine;

Click Icon, monitor IP camera.

SOS

 Press the icon for more than 2 seconds to send distress information to the management center.**Home leave/deposition**

 Click on the icon, enter the user password, can be implemented away from home or withdrawal.**Smart Home**

 Click on the icon, turn on the undisturbed function, turn off the call bell.**Call ladder**

 Click on the icon to call the elevator to the household floor.**Settings**

 Click on the icon to enter the settings interface.

3.2 Visitor call

Ringlight Display

Basic flow: ringing ⟹Telephone callsUnlock When the callis over,

1)Visitors call the indoor unit through the door machine, and the indoor unit starts ringing.

2)Households After the icon, you can start talking to the visitor

3)During the call,the occupants press Icon can unlock for visitorsafter unlocking 5 S system automatically hang up.

4)Households Icon, end the call.

Capture:

1) Visitors call process, click on the screen icon, can be manually captured.

2) The captured picture is saved in the call record of the standby interface.
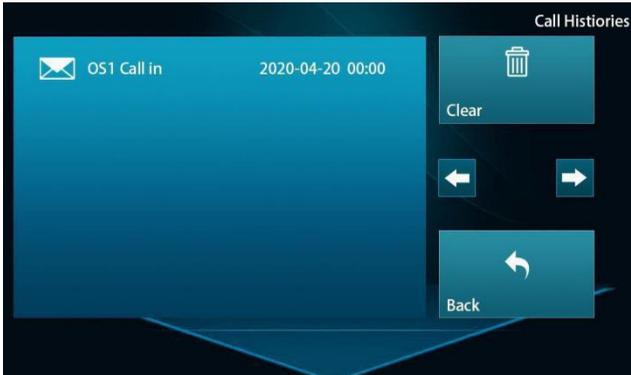
Capture pictures

3.3 Information View

Press Icon, enter the text information interface, you can view the management center sent community information.
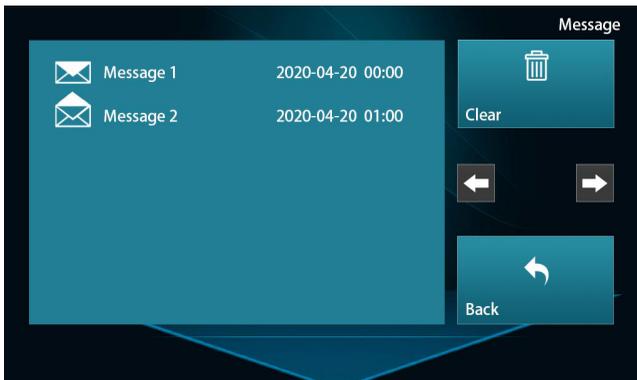
Information Viewing Interface

Viewing information

Select a single message, click to open the details of the reading information, and delete the information.

3.4 Active call

 The main interface clicks the icon and enters the intercom interface.

Call dial interface

 Press icon, enter call intercom interface, call management center, indoor machine.

Call room

Basic process: ⟹ Call ⟹ Ting bell ⟹ Telephone calls Conclusion

1)   Household connections

 Click on the pop-up list of indoor units, call other indoor units,or broadcast other indoor units. Call other occupants, enter building number, unit number and room number, click icon to confirm; if only enter room number,

The default pillars and unit numbers of the system are 0.

2)   This machine rings back to the bell.

3)   After the call was answered, the two sides began to talk.

4)   Households The icon can end the call.

Hint :1, call with the same unit household, pop-up call ladder, can choose call ladder function.
     2During the call, when there is a new call in, pop up the new phone

Call Manager

Basic process:⟹ Call⟹ Telephone calls ⟹End of call

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1) Press the icon to start calling the management center.

2) The indoor machine rang back the bell.

3) The management machine can talk after answering.

4) Households The icon can end the call.

3.5 Monitoring

Door machine, small door machine, wall machine

and IP camera can be monitored and unlocked

Basic process: ⟹ Select the monitoring device ⟹ Monitoring⟹Unlock Conclusion

1) Click on the icon on the main interface to start monitoring.

2) During surveillance, households press The icon can unlock the visitor.

3) Click icon end monitoring.

Surveillance capture

During monitoring, click on the screen Icons can manually capture pictures.

Tip: snap pictures saved in call record

Visitor calls

Basic process: ⟹ monitoringTelephone calls ⟹ End of call

During surveillance (small door machine, door machine, fence machine), residents can enter with visitors by clicking the icon Call.

Community surveillance

 Click on the icon, you can choose to monitor IP camera.

3.6 Alarm system setup

Click on the standby interface Icon, after entering the alarm system interface.
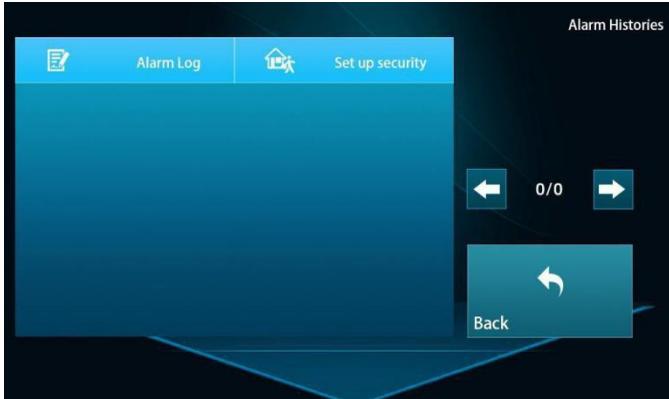
Alarm System Interface

Click After the icon, enter the user password to enter the anti-area property settings. (User password defaults **666666**）

Tip :1, in the state of defense, the alarm system interface display as a withdrawal icon, can use the user password to withdraw

　　　2. in the state of defense, if the user is hijacked, can enter a

Area Attribute Settings

When entering the alarm system setting interface, if the defense area is standard AD the control area can set the switch, the type of the prevention area and the trigger type of each area, and if the area is 8 IO the control area can set the normal opening and closing state of each area. Please refer to the connection description of the relevant area type and trigger type.
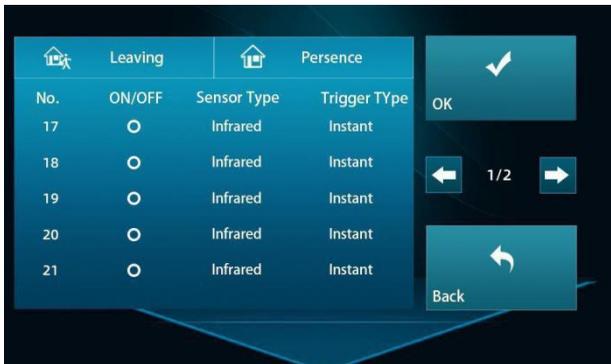
Criteria AD Area Attribute Settings Interface
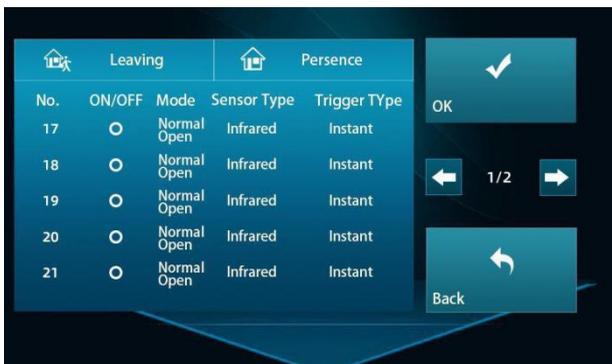
8IO Area Attribute Settings Interface

Switch standard AD area and 8 IO area switch in the area set interface, as shown infigure:


3.7 Home leave/deposition

Click on the standby interface Icon, after entering the alarm system interface.

In the state of defense, the following operations can be carried out: withdrawal: input user password, withdrawal.

In the state of withdrawal, the following operations can be carried out:

Defense: enter the user password, then enter the delay, need to leave the area within the delay time.

Chapter IV System Setup

4.1 Time settings

Click on the main interface ⚙ ⟹ Time setting, enter the time setting interface, can set the local time and date.

Time Setup Interface

Automatic synchronization time: check this time will automatically synchronize with the PC system time.

4.2 Camera settings

Click on the ⚙ ⟹ Camera settings, enter the

Camera Setup Interface

Set up to add or delete the camera
monitored locally. When adding a camera,
enter the camera code.

4.3 Call transfer settings

Click on the ⚙ ⟹ main interface
Call transfer settings, enter the call transfer settings interface.

Call transfer setup interface

1) Check the target device type.

2) If the equipment type is indoor, enter the target room number.

4.4 Password settings

Click on the main interface ⚙ ⟹ Password settings, enter the password settings interface.

Password Setup Interface

User password

Enter the old password➡Password input ➡New password confirmed.
(User password initial password is 6666666)

Coercion password

Input (user passwordor old password) ➡ Enter Robbery Password ➡ Enter
the Robbery Password again

You need to enter the user password to set the password (note: the password
can not be the same as the user password).

Stress Password Setup Interface

4.5 Ring setting

Click on the ⚙ ➡ Ringtone setting, enter the

Ringtone Setup Interface

Sound settings

1) Adjust the ringing volume.
2) Set touch screen sound and fault prompt sound.

Ringtone selection

Select each device to pop up the ringtone list.
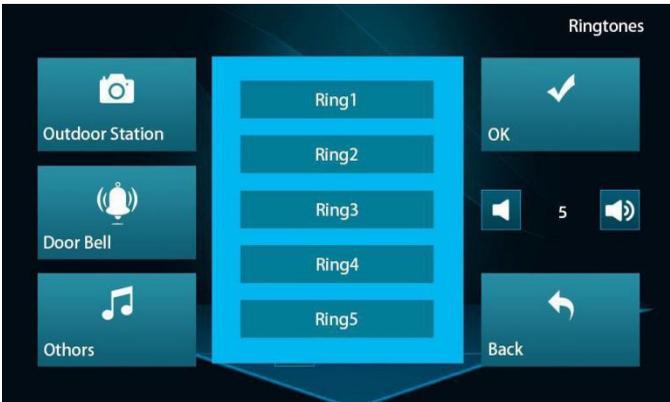
Device Ringling List Interface

Select the call bell of each device.

Hint: Other ring tones refer to calls from indoor, small door and management machines

4.6 Display settings

Click on the ⚙️ ⟹ Display settings, enter the

Display Settings Interface

1) Adjust screen brightness.

2) Set screen saver start time and screen saver end time.

4.7 Language settings

Click on the main interface [⚙] ⟹ Language settings, enter the language settings interface.
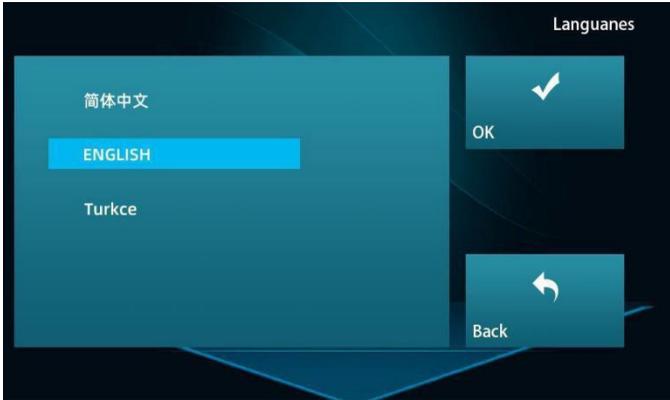
Language Settings Interface

Set the local interface language, the first power must choose the language.

4.8 Project setup

Click on the [⚙] ⟹ main interface Project setup ⟹ Enter the project password and enter the project setup interface.
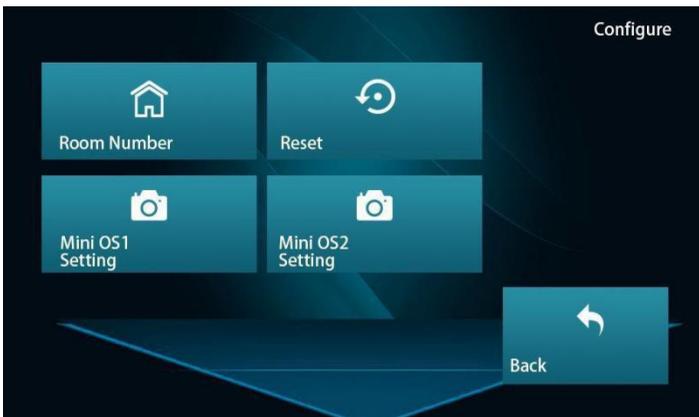
Engineering interface

Room number setting

Set the local room number, building, unit, number. If it's a villa, please hook it in front of the villa.

> Engineering Password:Used for setting up indoor machine number, small door machine

Small Door Machine Setup

1) The small door machine enters the setting state.

2) Add small door machine number:⟹ enter settings ⟹ Engineering model Select Small Door Machine 1(2) ⟹ Select the small door machine.

3) Verify that the settings meet the target small door machine through video.

> Tip :1, set up the interface to list the currently waiting small door machine, up to 5.

Restoration of factory settings

Click to restore the factory settings and determine that the system settings can be

> Hint 1. After 30 s of power on, the operation recovers the factory setting, and the local setting parameters are restored to the default value.

restored to the pre-factory state.

4.9 Screen cleaning

Screen cleaning, to prevent misoperation, the screen can be temporarily locked for a period of time.

Click on the [⚙] ⟹ [Clear] main interface pop-up screen lock countdown window and lock 60 s, during click screen invalid.

Screen countdown interface

Tip :1. wipe the screen surface with a soft and non-velvet rag.
    2. can spray a small amount of glass cleaner on

Chapter V Installation

5.1 Installation height

1.50米

Grou

Recommended installation height :1.5 m
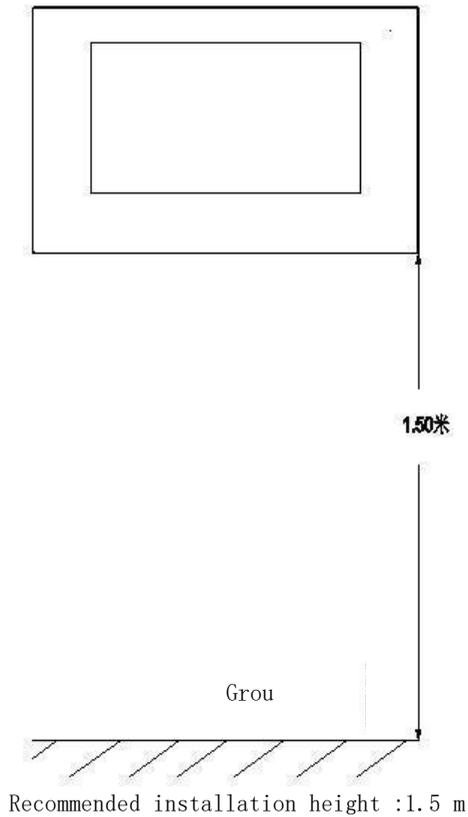
5.2 Installation instructions

|	
① 86暗盒 挂墙架 螺丝 墙	Step 1: align the screw hole of the wall frame with the hole position of 86 dark box on the wall, tighten the screw to fix the wall frame.
② ① ② 墙 挂墙架 室内分机	Step 2: Connect the terminal to the indoor extension and align the slot behind the extension to the buckle of the wall frame (figure 2). After the four buckles of the hanging wall frame are aligned with the four slots of the rear shell. Push the extension straight down again (figure 3). After hearing the click, the extension was installed successfully (see figure 4).
③ 后壳卡槽 ① ② 挂墙架 室内分机 Alignment of wall mount	④ The state of being stuck in the wall
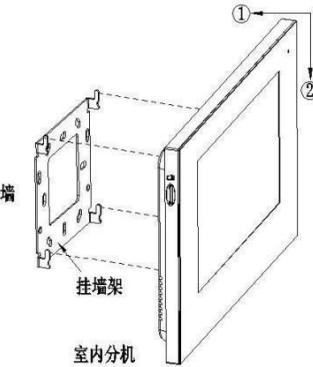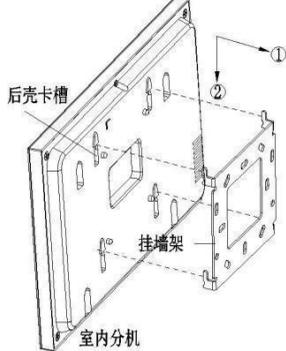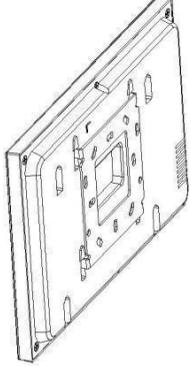
CHAPTER VI Wiring Instructions for the Area

6.1 Area wiring

6.1.1 Connection Method of Single Security Detector

I/O mode area corresponding box is checked state, Z(1-7) do not need to add 10 K resistance; if I/O mode area corresponding box is unchecked state, indoor machine Z1 to Z7 wiring such as:

Common 10K
Z(1-7)
GND

Z(1-7) Common interface
GND
10K

Indoor Z8 wiring:
Z8
GND
Common interface
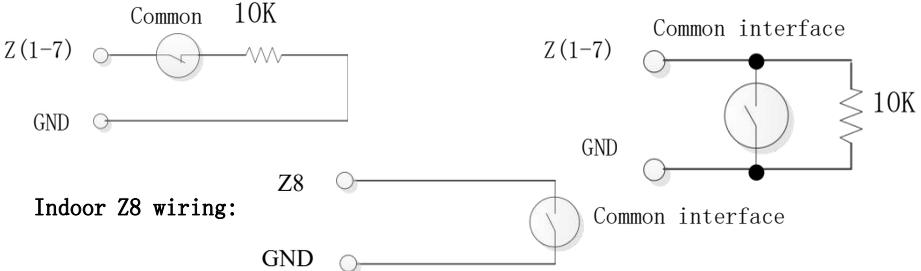
6.1.2 Multiple security detector wiring methods

I/O mode area corresponding box is checked state, Z(1-7) do not need to add 10 K resistance; if I/O mode area corresponding box is unchecked state, indoor machine Z1 to Z7 wiring such as:

Indoor Z1 to Z7 connection:

Common interface interface
Common interface interface   Common interface interface
Z(1-7)
GND
10K

Common interface
Common interface   Common interface
Z(1-7)
GND
10K

Common interface Common interface
Indoor Z8 wiring: Z8
GND
Common interface
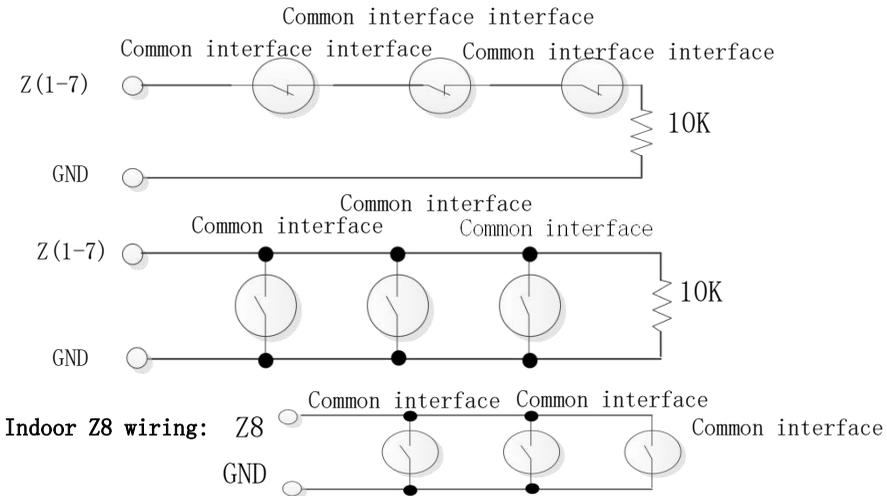
Tip: Unused area interface can be closed by setting alarm settings in the main interface, or by using10K Resistance grounding shield.

6.2 Area Attribute Description

Trigger Type Interface

Immediate alarm: the area after deployment, once triggered, immediately issued an alarm.

Delay alarm: if the area is triggered, it will enter the alarm delay countdown, the user can withdraw in the countdown time, otherwise the alarm will be issued immediately after the time.

Transfer delay: the area needs to be associated with the delay area operation. After deployment, once the area is triggered before the delay area, the alarm is immediately alerted; if the delay area is triggered first, the trigger countdown is carried out, and the user can withdraw the defense within the countdown time, otherwise the alarm will be immediately after the time arrives.

Report 24 hours: the area as long as the system is on the test, not affected by the distribution / withdrawal, once the area is triggered, immediately issued an alarm.

Cross alarm: the area needs two areas to trigger. After deployment, once the cross-defense area is triggered, the cross-defense area is triggered within 5 seconds and the alarm is issued immediately, otherwise no alarm is carried out.

6.3 doorbell function

Area 8 is fixed as doorbell function. After opening, the door bell input is detected and the doorbell rings immediately.