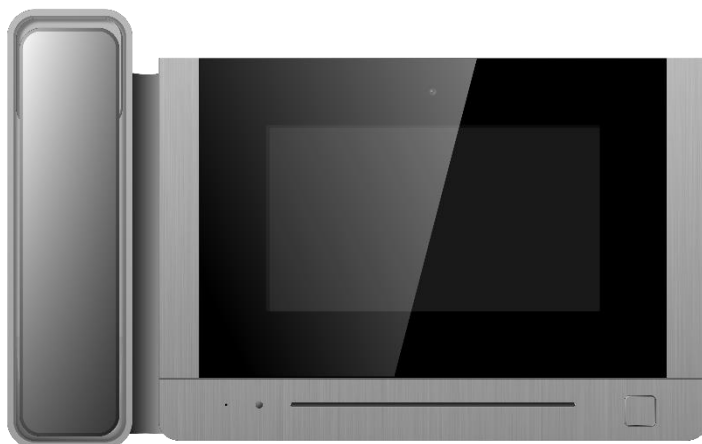




**LIM 70 AND LI-GUV 01
IP DOOR MONITOR
USER MANUAL AND WARRANTY CERTIFICATE**



CONTENTS

SAFETY WARNINGS	4
A.TECHNICAL SPECIFICATIONS	5
B. PACKING CONTENTS	5
1. Indoor Monitor	5
2. Guard Unit	5
C. NAME AND FUNCTIONS OF EACH PART	6
a. Front and Rear Part	6
1. Indoor Monitor	6
2. Guard Unit	7
D. CONNECTION DIAGRAM	8
E. INSTALLATION	8
1. Indoor Monitor	8
2. Guard Unit	9
F. OPERATION DESCRIPTION	9
a. Main Screen	9
b. Emergency Call	10
c. Call Function	10
1. Visitor Call From Block Door Panel	10
2. Contacts	11
3. Call Records	12
4. General Settings	13
5. Intercom	14
d. Message Function	14
e. Monitor Function	16
f. Alarm Function	17
1. Indoor Monitor	17
2. Guard Unit	18
3. LIM70 IP Interkom Alarm Connections	19
g. Picture Review	20
h. Main Setting Page	20
i. Engineering Setting.....	21
1. Indoor Monitor	21
2. Guard Unit	21
G. ELEVATOR FUNCTION	23
a. General	23
b. Connecting The Module To The Ip Intercom Network	24
c. Methods Of CallingIn Emergencies From The Elevator Device	25
d. Change The Number Of The Elevator Device Or Convert To A Standart Flat Device	25
e. Network Connection Diagram Of Elevator Intercom Device	26
f. Introducing The Elevator To The Flat Monitor	27
H. ELECTIONAL RIGHTS OF THE CONSUMER	28
İ. AUTHORIZED SERVICE STATIONS.....	28
WARRANTY CERTIFICATE	29
WARRANTY CONDITIONS.....	30

SAFETY WARNINGS

For your device and your safety, some safety rules must be followed.

- 1. Read the user manual carefully.**
- 2. Read the safety warnings carefully.**
- 3. Matters to be considered during Handling, Transport and Storage;**
 - During transportation and transportation, always carry the product with its box. The box of the product will protect the product from physical damage.
 - Do not place heavy objects on the device or its box. The device may be damaged.
 - If the device is dropped, the device may not work or permanent damage may occur..
 - Too much cold or hot may cause deformation in the product. May shorten the life of electronic circuits or cause them to fail.
- 4. Situations that may be dangerous or harmful to human or environmental health during use;**
 - Pay attention to the sharp edges when taking the product out of the box.
 - Dispose of the product packaging in waste bins separated by type.
- 5. Device Maintenance;**
 - Your device does not require periodic maintenance and only apply to authorized services for maintenance and repair.
 - You can clean the product periodically by wiping it with a dry cloth.
 - You can store the product in its box when not in use.
 - Unplug the device before cleaning. Cleaning agents such as alcohol, gasoline, thinner, etc. make sure it does not contain any solvents. Wipe the device with a dry cloth.
- 6. Do not use cables other than the original cable in order to prevent a possible electric shock.**
- 7. Do not insert foreign objects into your device or try to open it with tools that may cause electric shock.**

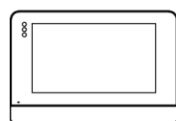
A. TECHNICAL SPECIFICATIONS

- 7" capacitive touch screen monitor, 800*480 resolution
- Support zone alarm function
- Support the second door panel function
- Video coding: H.264
- Network Connection: Ethernet (POE)
- Operating Voltage: 18V (POE)
- Operating current: 300 mA (max: 500 mA, stand-by: 90 mA)
- Operation temperature: -10~55 °C
- Operating system: Linux
- Inner flash memory (Inner storage: 100pcs pictures; Monitor support SD card)
- Dimensions(mm): Indoor monitor: 210(W) x 140(H) x 20(D)

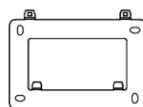
Guard unit: 326.3(W) x 206(H) x 56.2(D)

B. PACKING CONTENTS

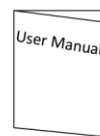
1. Indoor monitor



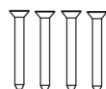
Main body



Wall bracket



User manual



KA M4*35mm
Mounting screw

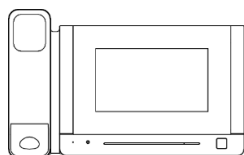


M4*35mm
Plastic expansion pipe



10 pin socket

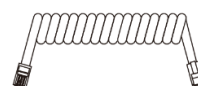
2. Guard unit



Main body



Handset



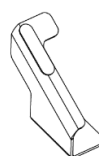
Helical line



KM M3*5mm
Mounting screw



Left bracket



Right bracket

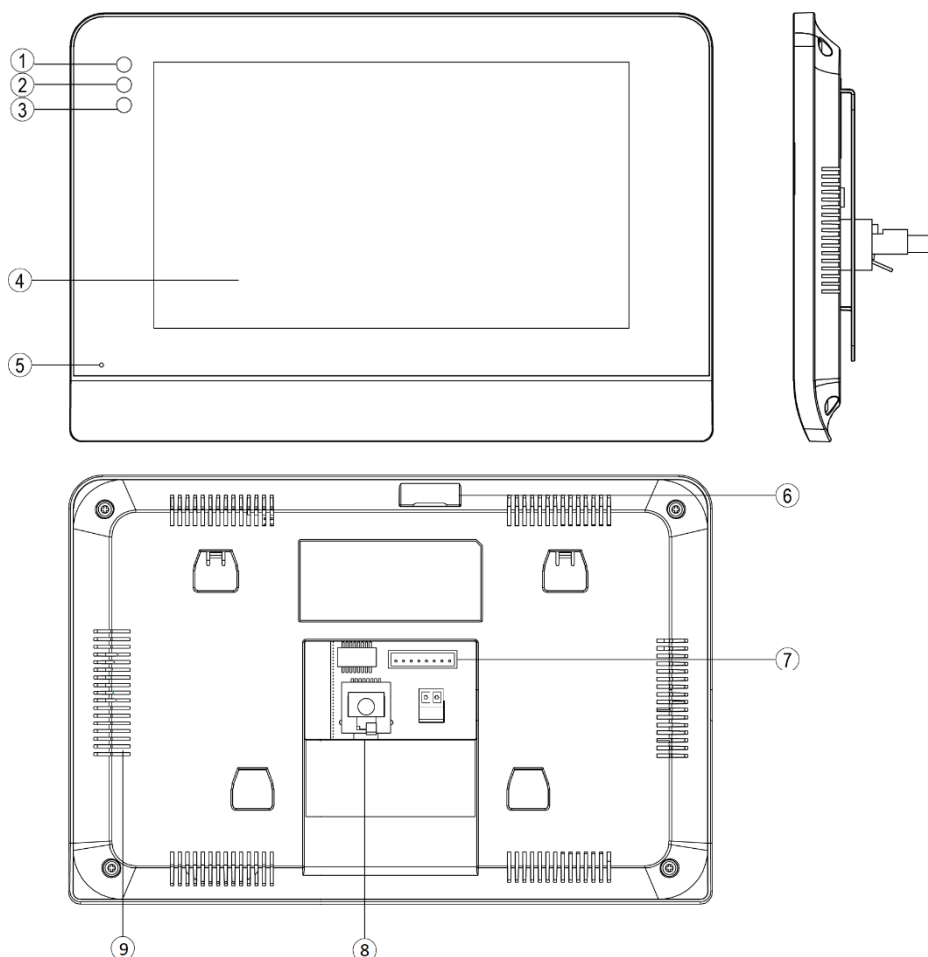


User manual

C. NAME AND FUNCTIONS OF EACH PART

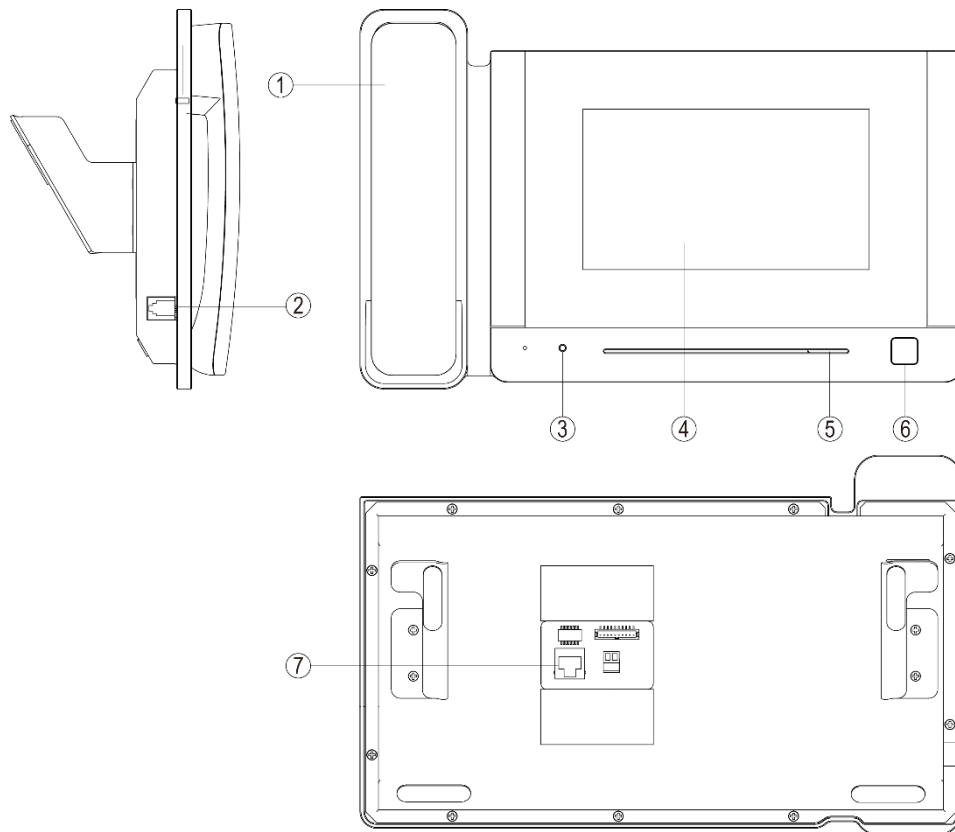
a. Front And Rear Part

1. Indoor monitor



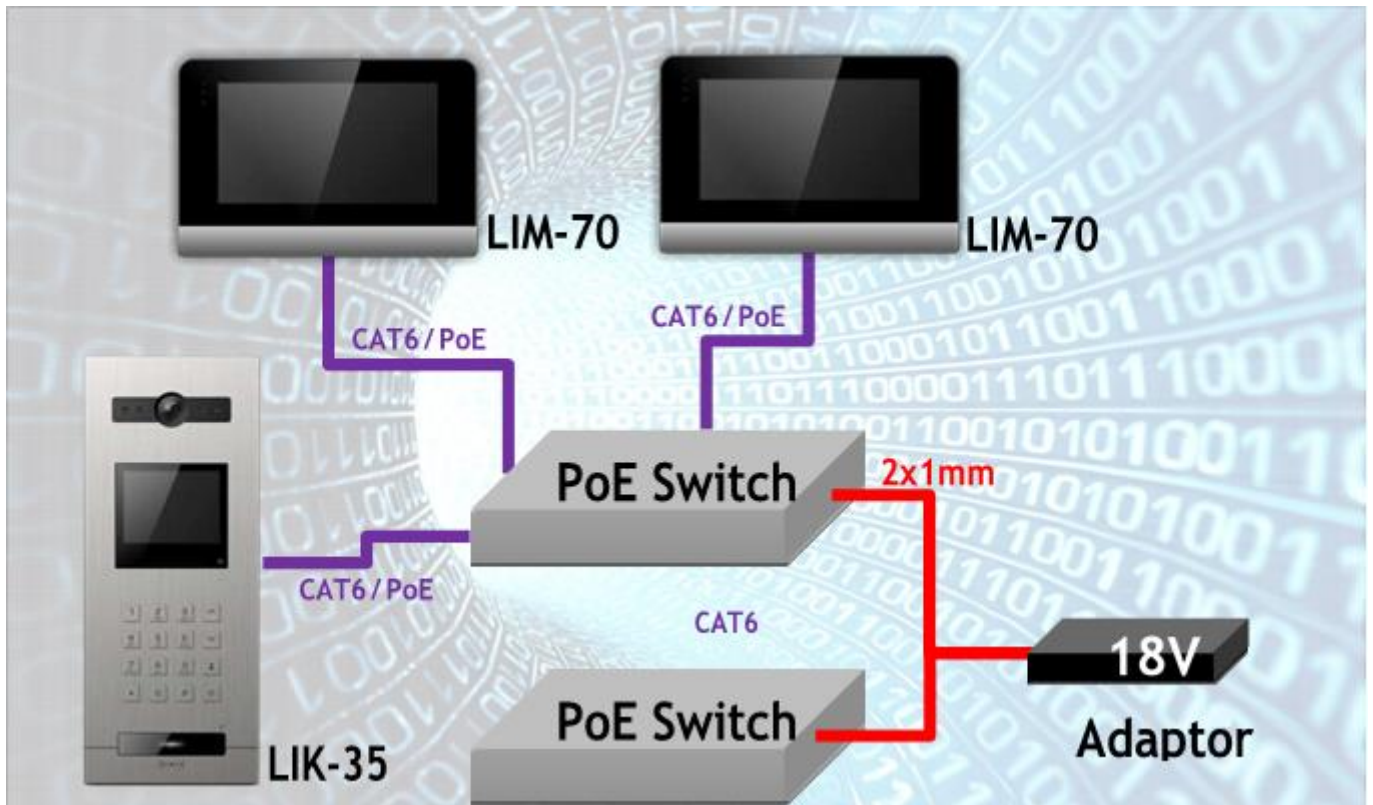
NO.	Part Name	Description
1	Power Indicator	White led when power on
2	Message Indicator	White led f lashes when have unread message/call
3	Alarm Indicator	White led flashes when have alarm
4	Screen	7-inch digital TFT LCD
5	Microphone	Receive voice from the user
6	Micro SD Card Slot	Socket for micro-SD card
7	Connection Port	Interface for sensor
8	RJ45 Connector	Interface for RJ45
9	Speaker	Speaker

2. Guard unit



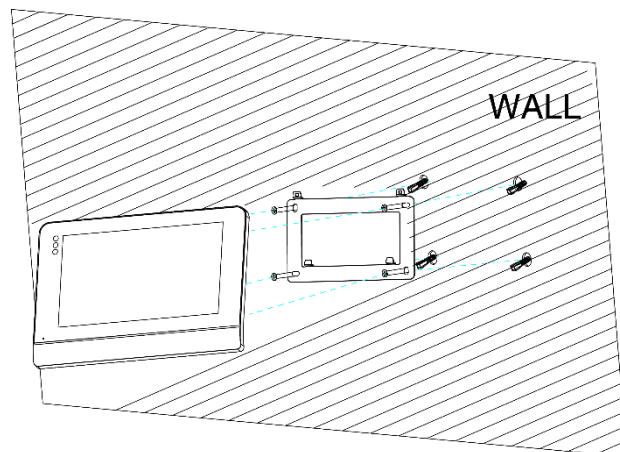
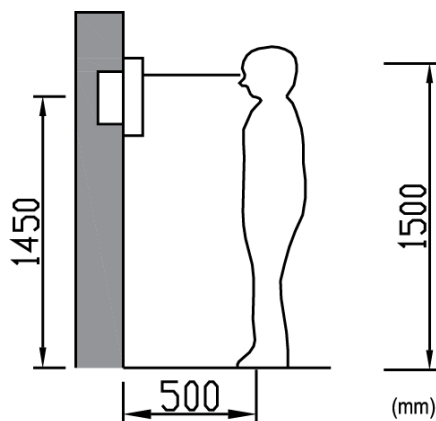
NO	Part Name	Description
1	Handset	
2	RJ11 Connector	Interface for helical line
3	Power Indicator	Red led when power on
4	Screen	7-inch digital TFT LCD
5	Speaker	
6	Door Release Button	Press button for releasing door lock
7	RJ45 Connector	Interface for RJ45

D. CONNECTION DIAGRAM



E. INSTALLATION

1. Indoor Monitor



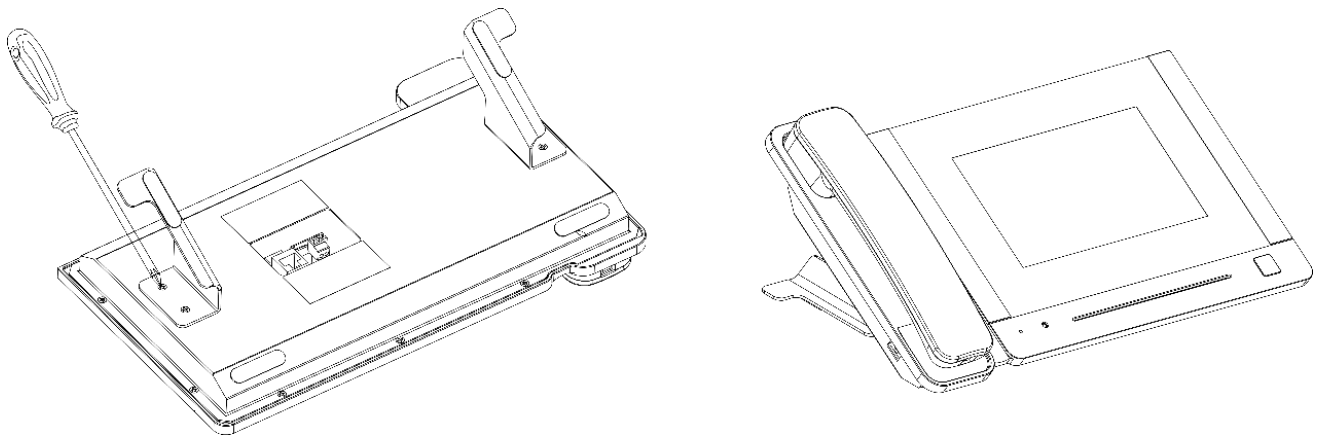
Monitor installation location

- Standard monitor installation height is about 1,500mm where screen center is at eye level;
- In this case, wall-hanging metal center is 1,450mm above ground level.

Wiring and installation of indoor monitor

- Remove mounting bracket behind monitor and fix it on the wall with screw;
- Pull the cable out and connect the system according to 4.2 wiring diagram;
- Hang the monitor on the mounting bracket;

2. Guard unit



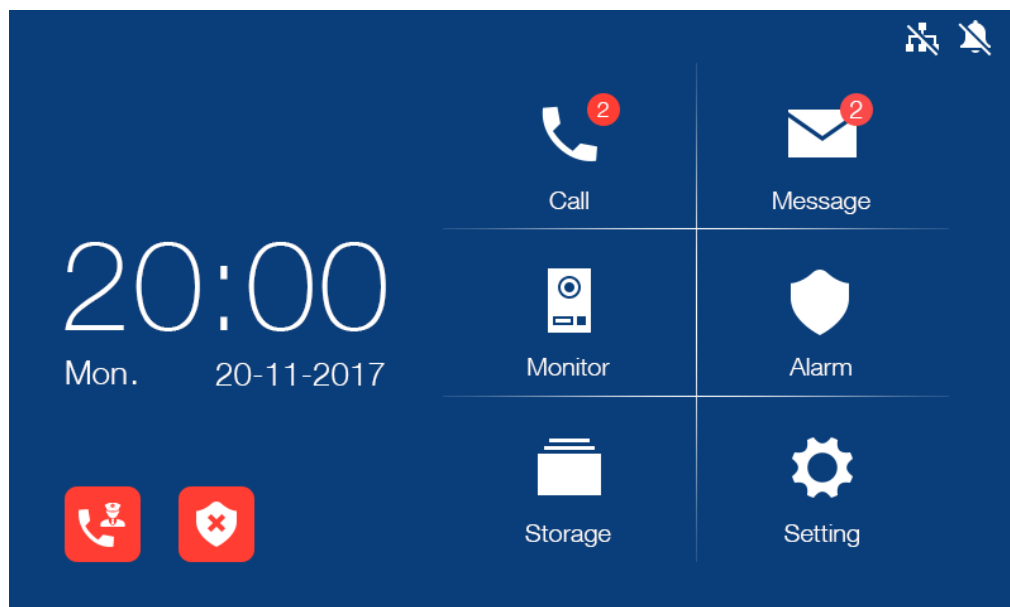
Wiring and installation of guard

- Place the guard unit on a level desktop;
- Fix the bracket on the behind of the monitor with screw;
- Pull the cable out and connect the system according to 4.2 wiring diagram.

F. OPERATION DESCRIPTION




a. Main Screen

Touch the screen anywhere in standby mode, the main page will be shown as follows:



It will show corresponding functions when pressing each icon on main screen.


- **Icon Definition**

	No network indicator		[do not disturb] mode indicator
	Set the monitor for leaving or presence mode (default password: 9999)		

Remark:

- The guard unit doesn't have this two icon.
- The four zones trigger type are all 24h instant, the main page icon is always leaving mode;
- The four zones are a combination of delay and instant, if the alarm is triggered and input password, the main page icon would change to presence mode;
- The four zones are a combination of delay/instant and 24h instant, if the delay or instant alarm is triggered and input the password, the main page icon would change to presence mode; if the 24h instant alarm is triggered and input the password, the main page icon would be leaving mode.

b. Emergency Call

	Emergency call to the guard
---	-----------------------------







c. Call Function

1. Visitor Call From Block Door Panel

When door panel calls in, the visitor's image will be shown on the master monitor screen and you can press [Talk] icon to talk with the visitor. The talking and ringtone volume can be adjusted.

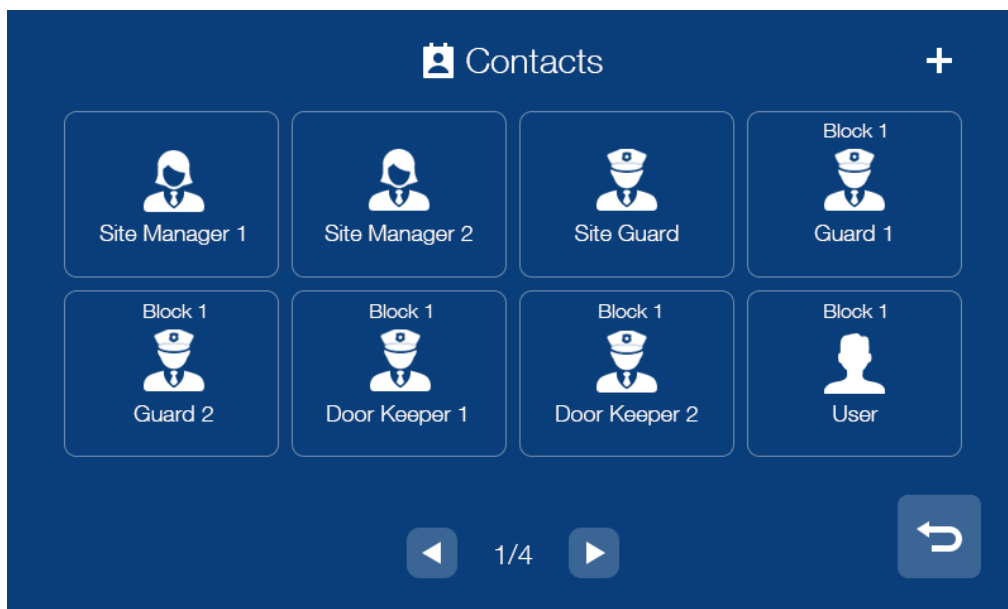


➤ Icon Definition

	Capture a picture		Adjust ringtone volume
	Mute		Release the door lock
	Talk		Terminate the talk

2. Contacts

- Press the [call] icon on main screen and the screen will enter the call page:
- In the call page, you can press the [Contacts] icon to review the contacts and click the contact you want to call.



- You can also press the "+" icon in the upper right corner of the screen to enter the name list page, select the contact you want to add and press the “return” icon to confirm and return to the add contact page.

☰ Add Contacts			
Name		Callcode	
	John	01101	✓
	David	01102	✓
	Mary	01103	✓
	James	01104	✓
	Smith	01105	✓


◀ 1/2 ▶ ↩


3. Call Records

In the call page, you can press the [Records] icon to review the call records. You can also enable “Missed” by the checkbox to review missed calls.

📞 Record				
Name		Callcode	Date	
✓	Block 1 ODS 1	01 801	08:00 23.07.2017	 
✓	Block 1 ODS 1	01 801	20:23 20.07.2017	
✓	Mary	03 302	21:00 18.06.2017	
✓	James	04 201	20:30 25.05.2017	
✓	Smith	05 401	22:00 20.05.2017	

☐ Missed ◀ 1/2 ▶ ↩

Press  to review the voice message from visitor.

Press  to review the picture automatically captured.

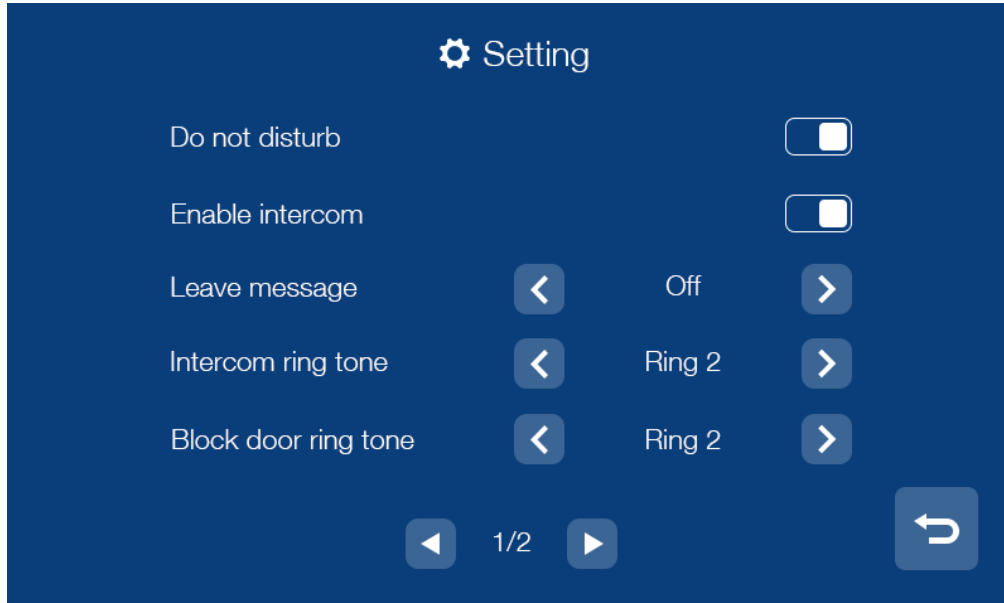
Press  to start the call.

Remark:

- Long press a call records for 2s, you can delete the call record or delete all records.
- Pictures and voice messages are linked to call records, support 100pcs max.

4. General settings

In the call page, you can press the [Setting] icon to enter the setting page.



In this page, you can

- Enable/disable the mute function (the guard unit doesn't support this function);
- Enable/disable the Intercom function; when you disable the intercom function, other monitors are not able to call this monitor (except guard unit and door keeper; the guard unit doesn't support this function);
- Select the mode of leaving voice message: immediately/timeout/ off (the guard unit doesn't support this function);
- Select the melody for Intercom ringtone/Block door ringtone/Indoor ringtone/Guard unit ringtone;
- Select ring back tone;
- Adjust the talking and ringtone volume.

5. Intercom

In the call page, you can input the intercom address of the monitor you want to call and then press [Call] icon to start the call. When call in, it will show as below:

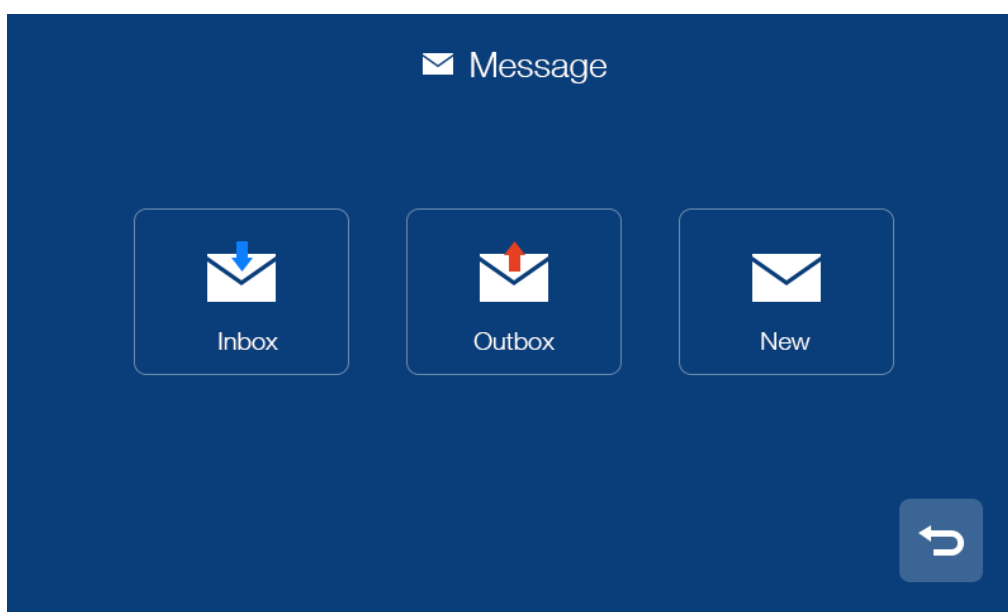



There are several ways to input the intercom address:

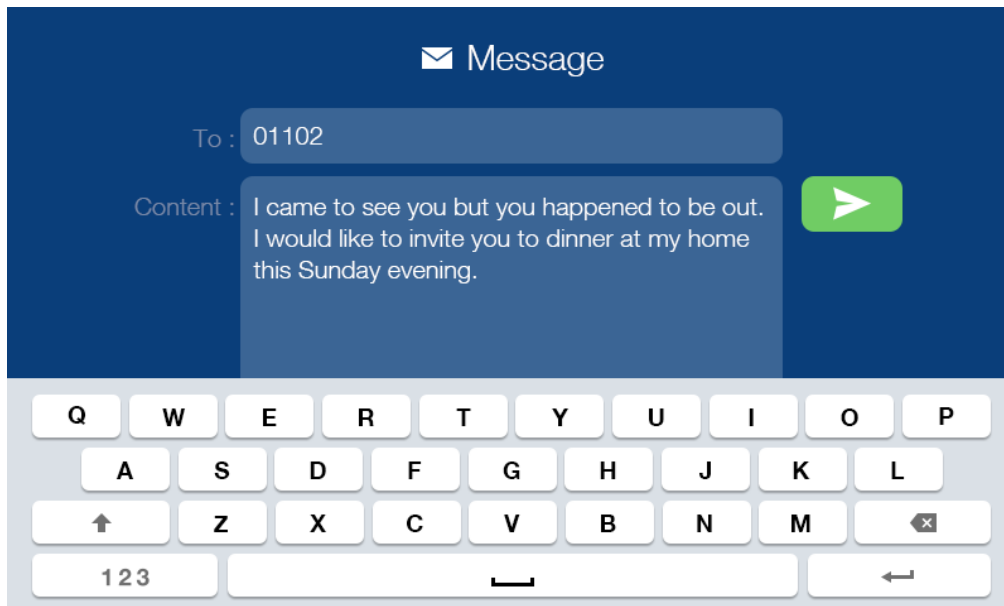
- Same block: for example: call room 001--dial 001 or 01 or 1; call room 012--dial 012 or 12.
- Different block: for example: block 1 room 001 call block 2 room 001--dial 02001 or 2001; block 1 room 001 call block 10 room 001--dial 10001.

d. Message Function

Press the [Message] icon on main screen and the screen will enter the message page:



- You can press the [Inbox] icon to review the received message; you can also delete, forward and reply messages.
- You can press the [Outbox] icon to review the messages that have been sent, you can also delete, forward and reply messages.
- You can press the [New] icon to edit message, input the intercom address of the monitor you want to send and edit the content and then press  icon to send the message.



There are four rules for the guard unit to send message:

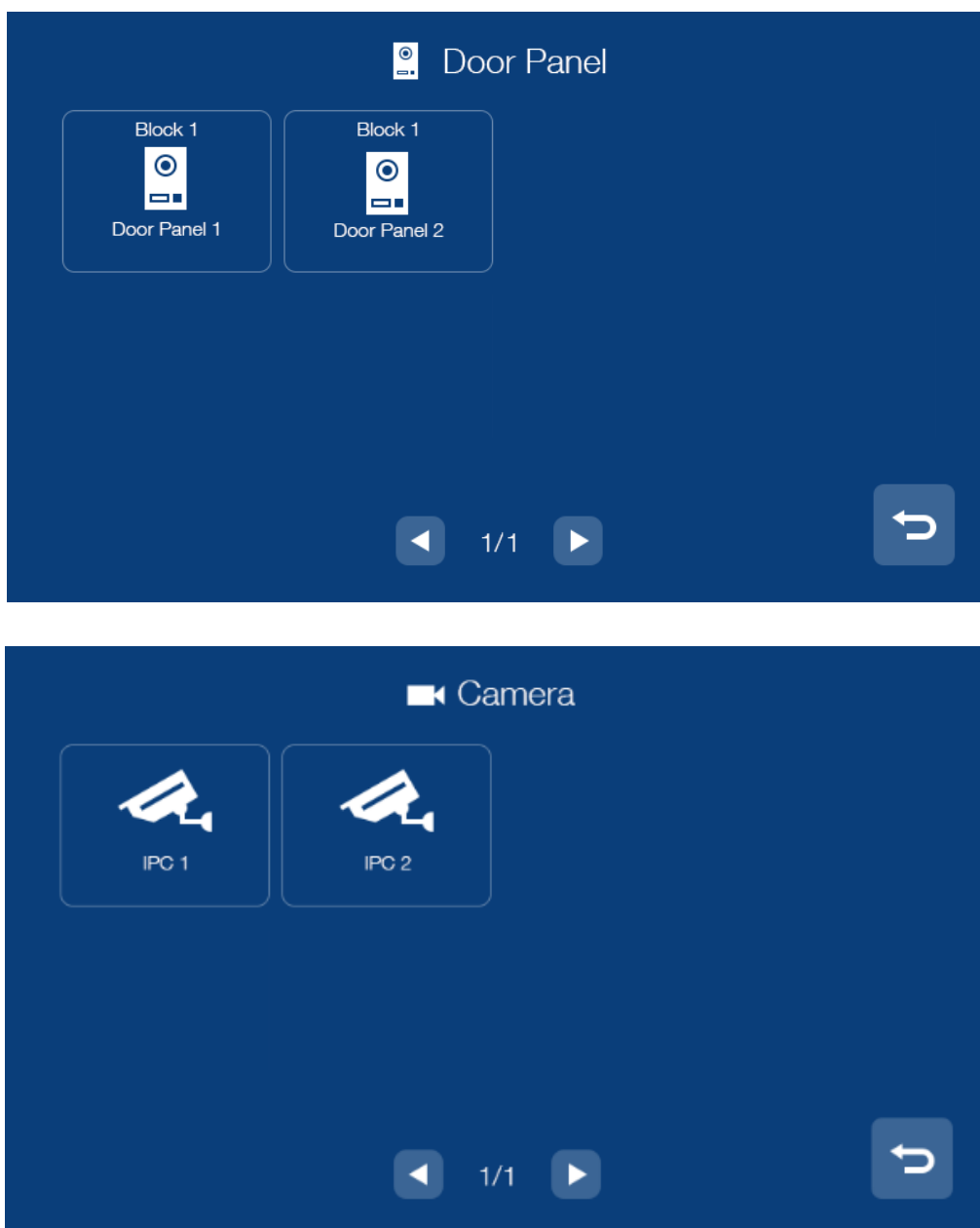
- Send to a single room: for example: send to block 1 room 1--input 01001 in the address bar.
- Send to multiple rooms: for example: send to block 1 room 1, room 2 and room 12 --input 01001, 01002, 01012 in the address bar; send to block 1 room 1~30--input 01001~01030 in the address bar.
- Send to the whole block: for example: send to block 20 --input 20 in the address bar.
- Send to the whole site: input 99 in the address bar.

Remark:

- Ordinary users only support single send message; guard unit can support group messages.
- When the monitoring received a new message, there will be a prompt tone.
- Long press the message for 2s, you can delete all messages.

e. Monitor Function

Press the [Monitor] icon on main screen, select the door panel or camera you want to monitor and then enter the monitoring mode (support up to 19 door panels and 32 cameras).




Remark:

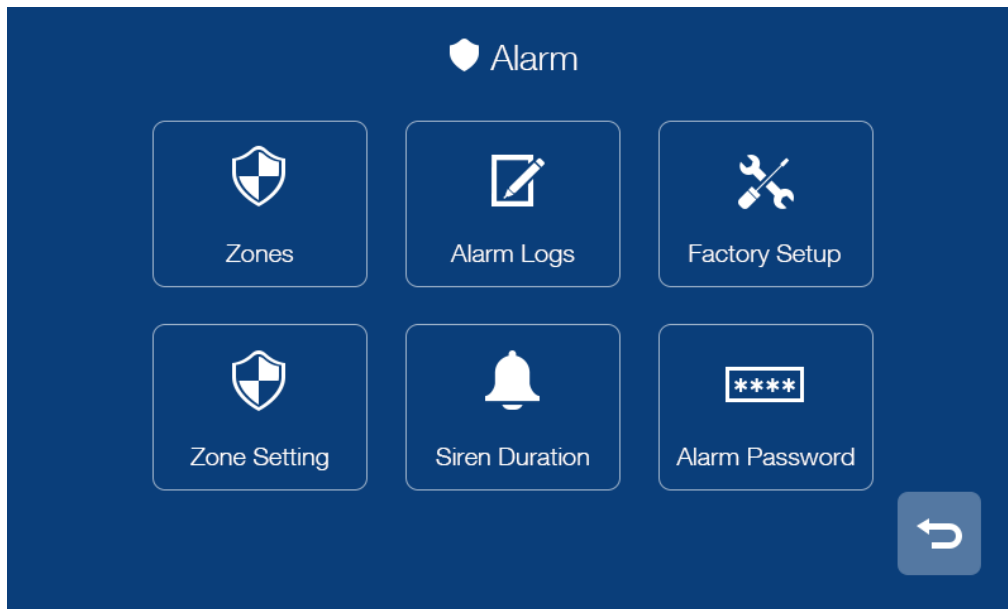
- Indoor monitor can only show the connected block's door panel; Guard unit can show the all-blocks' door panel.
- The talk function will be disabled under monitor mode.
- The monitor shows only authorized cameras.

f. Alarm Function

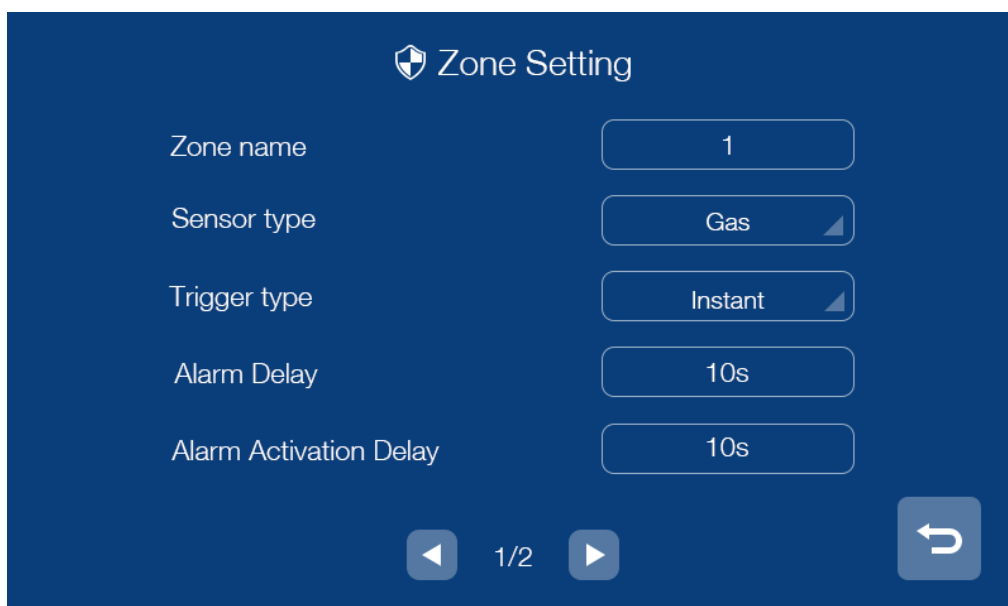
1. Indoor monitor

When the alarm is triggered, the monitor will buzzer at the same time; you can enter the alarm password and press  the icon to turn off the alarm (default password: 9999).

Press the [Alarm] icon on main screen and enter the password (default password: 9999), the screen will be shown as follows:



- In [Zones] page, you can review the status of alarms at each zone.
- In [Alarm logs] page, you can review the alarm records.
- In [Factory setup] page, you can restore monitor to factory settings.
- In [Siren duration] page, you can set the duration of the siren.
- In [Alarm password] page, you can set the alarm password.
- In [Zone setting] page, you can:



Set the zone name (default name: Zone1; Zone2; Zone3; Zone4);

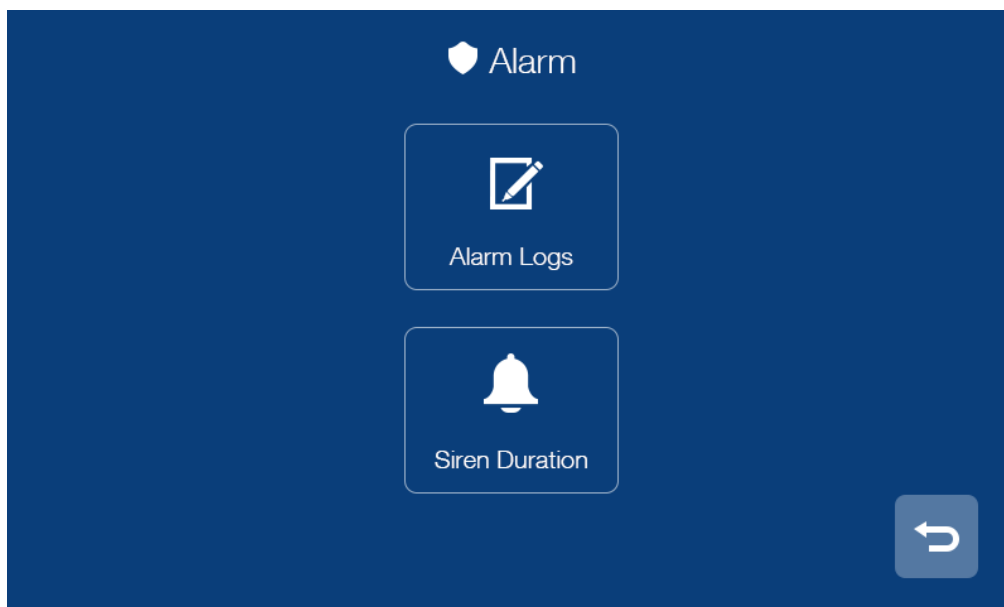
- Set the type of sensor (Gas/Smoke/Water/Magnetic/Pir/Custom Type);
- Set the trigger type of the sensor (Instant/Delay/24h Instant/ByPass);
- Set the alarm delay time (1~99s);
- Set the alarm activation delay time (1~99s);
- Set the alarm mode (NO/NC);

Remark:

- The indoor monitor can store up to 100 alarm information.

2. Guard unit

- When the monitor receives the alarm; the guard unit will buzzer at the same time, you can press the icon to turn off the alarm.
- Press the [Alarm] icon on main screen, the screen will be shown as follows:



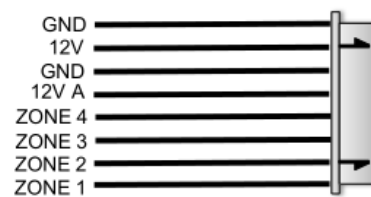
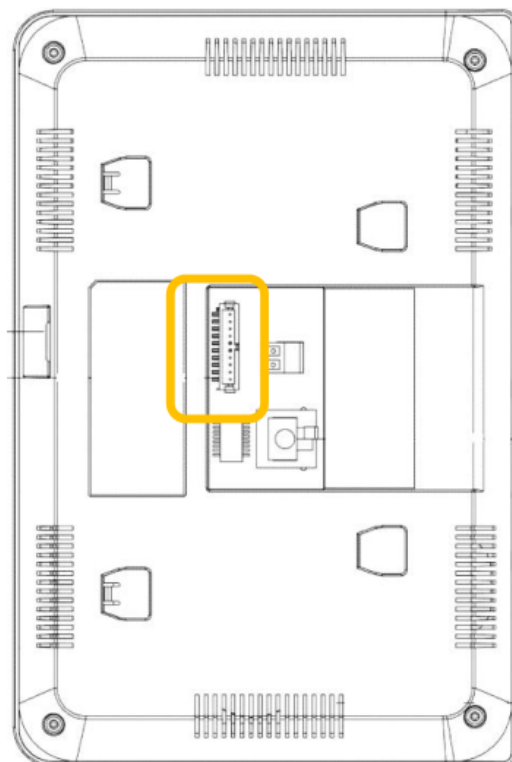
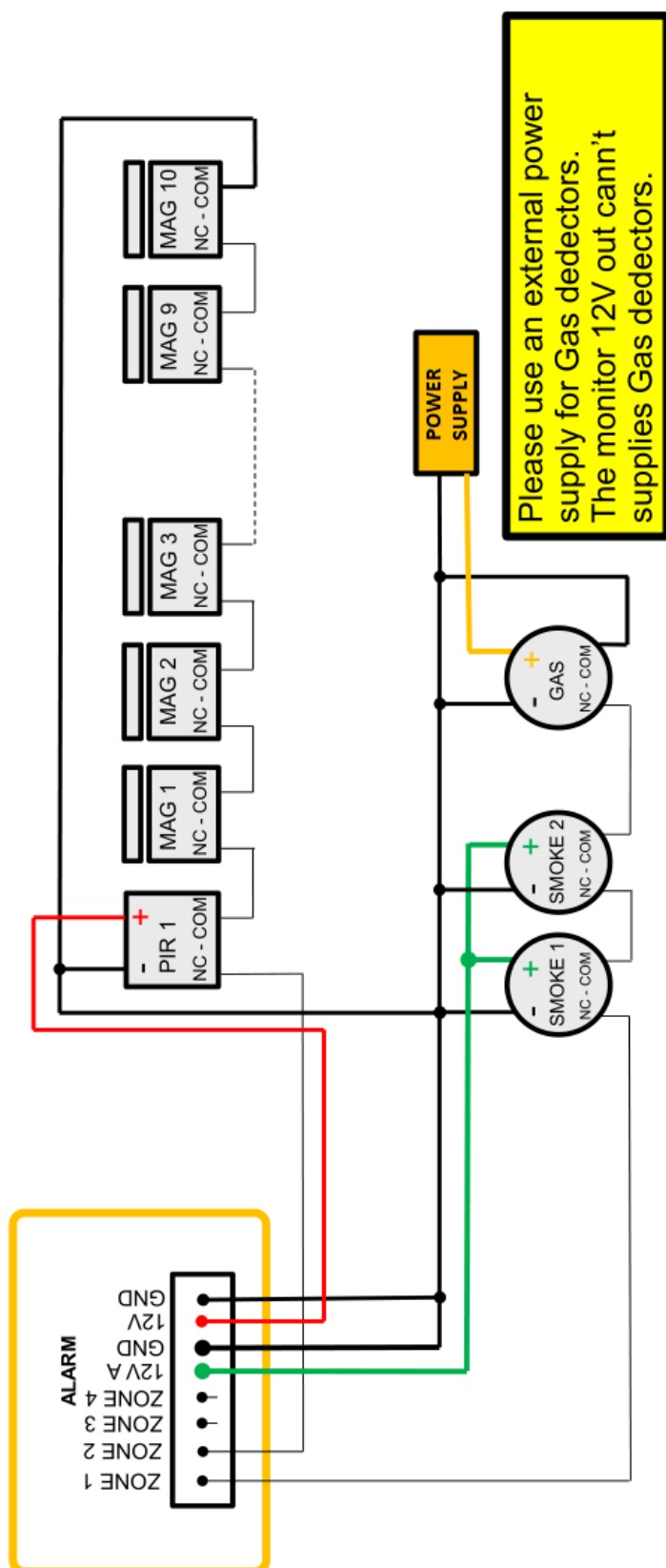
- In [Alarm logs] page, you can review the alarm records.
- In [Siren duration] page, you can set the duration of the siren.

Remark:

- The guard unit can store up to 1000 alarm information.

3. LIM70 IP Interkom Alarm Connections

LIM70 IP INTERKOM ALARM CONNECTIONS



Alarm Connection Cable

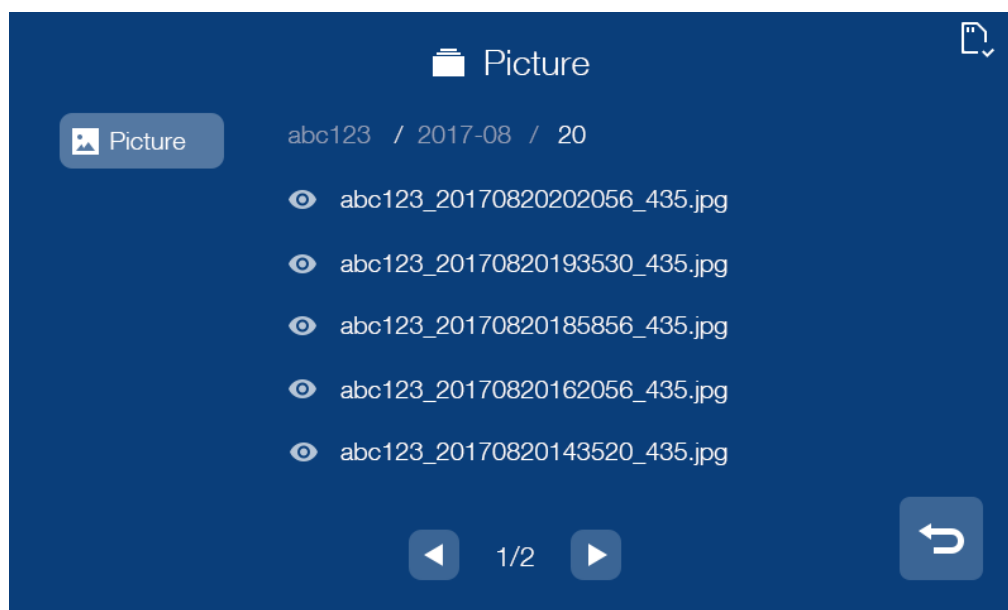
g. Picture Review

Press the [Storage] icon on main screen, you can press the corresponding list directly to review the picture.

You can also delete the picture or press  /  icon to review the picture.

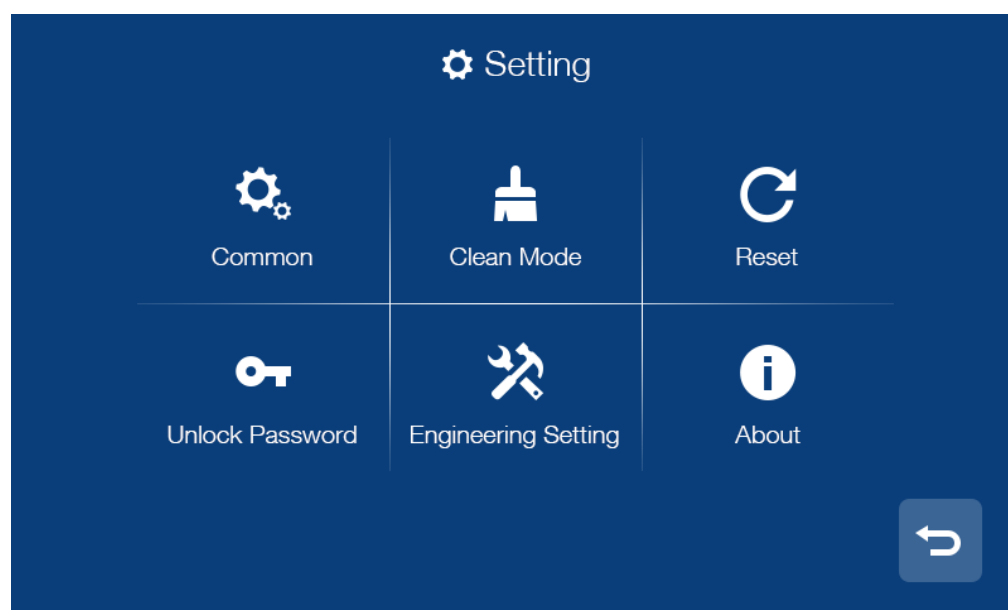
Remark:

- In the storage page, you can only review the manually captured pictures.
- Long press a picture for 2s, you can delete the picture or delete all pictures.



h. Main Setting Page

Press the [setting] icon on main screen and the screen will enter the main setting page.



- In [Common] setting page, you can enable/disable the touch tone function and set the language of the monitor, you can also review the user manual

- In [Clean Mode] setting page, you can press the [start] icon to start cleaning and no buttons will be triggered during the cleaning process.
- In [Reset] setting page, you can format micro-SD card and restore monitor to factory settings (including language / touch tone and general user settings will be restored to default).
- In [Unlock Password] setting page, you can set your own unlock password (the password is 4 digits, the 4 digits cannot be completely consistent or continuous; the guard unit doesn't support this function).
- In [About] setting page, you can review the Software version/Block No. /Room No. and Extension NO.

i. Engineering Setting

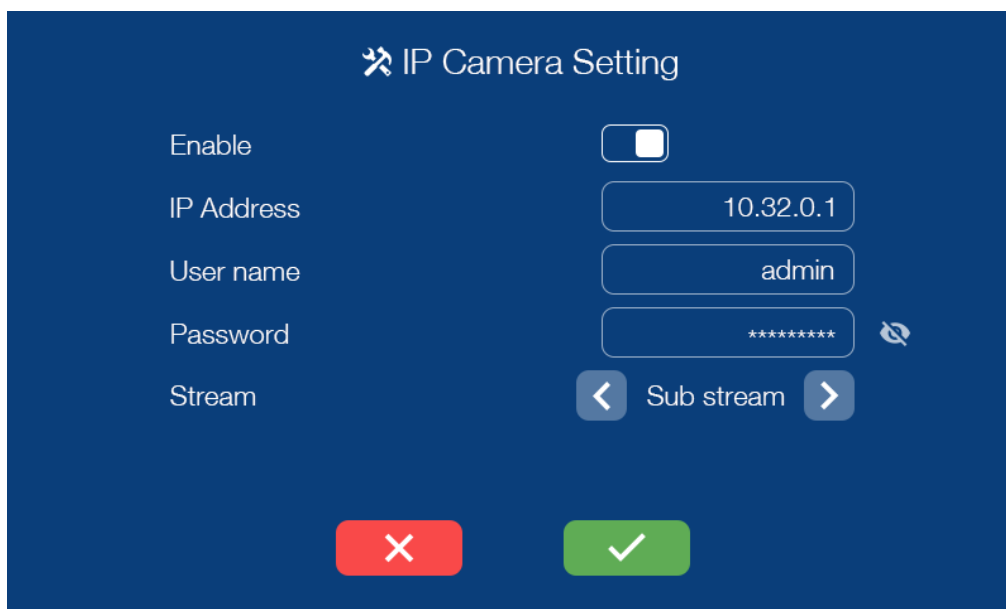
1. Indoor monitor

In the engineering setting page, you can restore engineering setting and set the engineering password; you can also review and set the device information and the number of emergency calls (default password: 0000; the default number of the emergency call: 99901).


2. Guard unit

In the engineering setting page, you can restore engineering setting and set the engineering password and IP camera; you can also review and set the device information.

You can press the [IP Camera Setting] item to enter the [IP Camera Setting] page, in [IP Camera Setting] page; you can enable/disable the IP camera function;



The image shows a 'IP Camera Setting' window with a dark blue background. At the top center is a white icon of a camera with a crossed-out 'X' followed by the text 'IP Camera Setting'. Below this are five settings: 'Enable' with a toggle switch, 'IP Address' with a text box containing '10.32.0.1', 'User name' with a text box containing 'admin', 'Password' with a text box containing '*****' and an eye icon, and 'Stream' with two buttons: '< Sub stream' and '>'. At the bottom are two large buttons: a red one with a white 'X' and a green one with a white checkmark.

When the IP camera function is enabled, you can input the IP address, user name, password and select the stream mode: Main stream/Sub stream(the current system only support sub stream),then you can press the icon  to confirm the setting.

Remark:

- One room support 3 indoor monitors (1 master monitor + 2 slave monitors).
- When door panel call in, the visitor's image will be only shown on the master monitor screen, the slave monitor only ringtone; When the slave monitor answers the call, the visitor's image will be shown on the slave monitor screen
- When you forget the engineering password, you can login the client to reset the default password.
- IPC IP address default for guard 1: 10.99.28.1; guard 2: 10.99.28.2; guard 3: 10.99.28.3; block guard: 10.99.28.254.
- Here are the range of block and Room NO.:

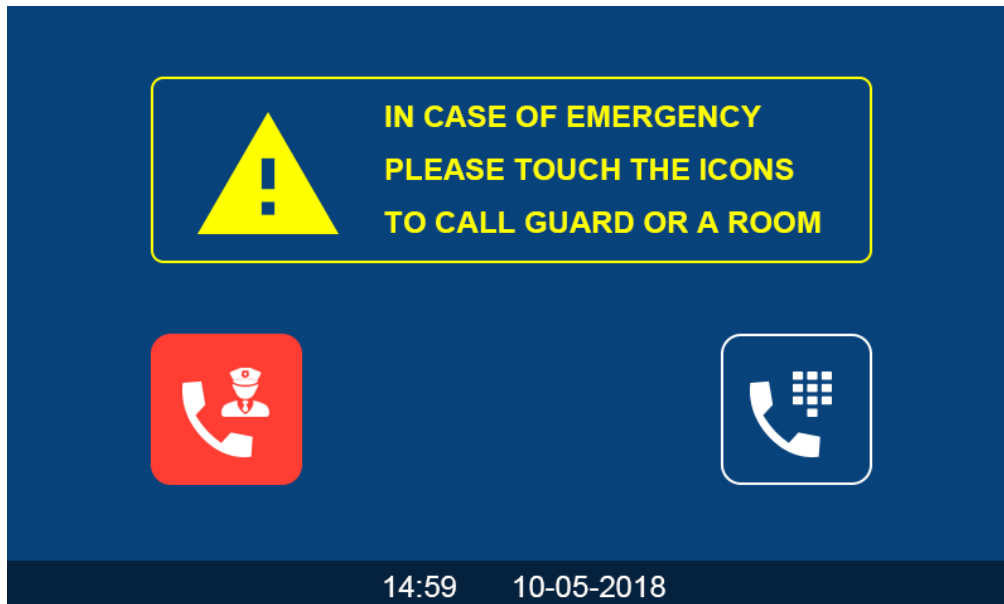
TYPE	BLOCK NO.	ROOM NO.
Monitor	1~98	001~799
Door Panel	1~98	801~819
Door Keeper	1~98	841~849
Block Guard	1~98	851~859
Site Guard	99	901~919
Site Manager	99	921~959
Elevator Monitor	1~98	821~839

G. ELEVATOR FUNCTION

a. General

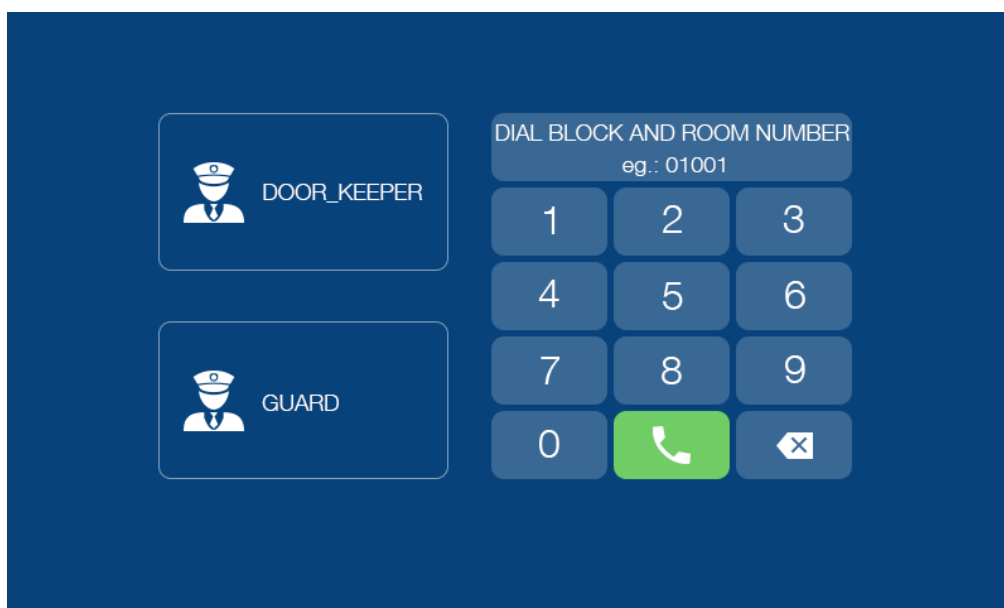
You can set the monitored room number to 821~839, then press the confirm icon, this monitor will be set as elevator monitor.

In case emergency, you can use the elevator monitor to call the guard or monitor.



➤ You can press the icon  to call the guard directly.

➤ You can press the icon  to enter the dialing page:



Input the address of the monitor you want to call and then press [Call] icon to start the call.

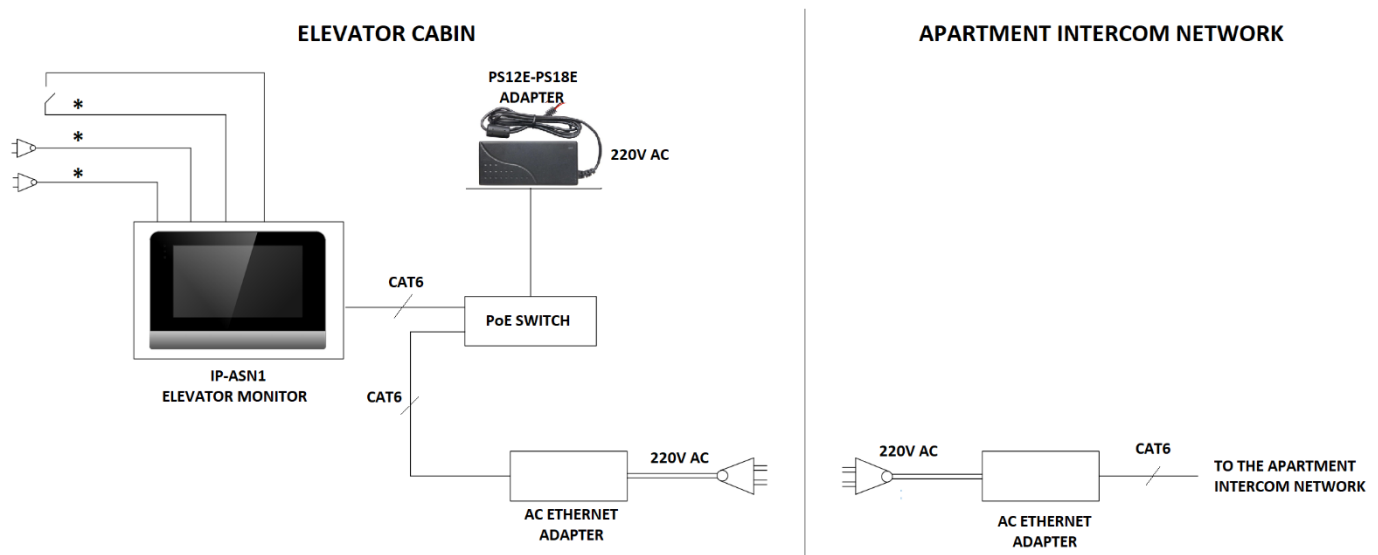
Remark:

➤ The elevator monitor screen is always light.

b. Connecting The Module To The IP Intercom Network

See „Picture“ below for detailed wiring diagram.

A general diagram of the connection circuits of the elevator monitor to be installed in the elevators is given below. All connectors seen in the diagram together with the elevator monitor, EoP connection device, adapter and poe switch must be obtained from the company. **In order to install the elevator module, the only thing required from the elevator technician is to provide a 220AC power socket with two eyes inside the elevator. Apart from that, the IP intercom circuit has no connection with the elevator circuits. 220VAC must be in the same phase to which AC ETHERNET ADAPTORS are connected.**



Note: All devices shown in the diagram are supplied in the elevator monitor package.

***Required only for those using an audio elevator device.

Picture: Connection diagram of elevator monitor to IP intercom network

- Whether with a screen or just speaking, the elevator monitor connection has no connection with any circuit of the elevator. The module receives only 220V AC voltage from the elevator and is connected to the IP intercom network with an Ethernet cable in the elevator machine circuit. Detailed wiring diagram is given above.
- **Introducing the elevator device to the network:** Elevator monitors in the IP intercom network can be catalog numbered between XX 821-839. Here, XX indicates which block the elevator is in, and which elevator is the elevator in that block in the last digit of 821, 822. For example, the number 15 826 means this elevator is the 6th elevator in the 15th block. Up to 19 elevator monitors can be connected to a block.

As in the apartment monitors, the elevator block number and elevator number are entered on the elevator monitor, and the device is automatically connected to the IP intercom network. When one of these numbers is entered to the device, the device automatically understands that it is an elevator monitor and programs related to elevator monitor features start to run. The screen in the picture appears as standard.

It is possible to establish a conversation (or video conversation) with the elevator device by dialing the elevator monitor number from security or any monitor in the network. In this way, it is possible to talk to people who stay in the elevator but cannot establish a connection.

c. Methods Of Calling In Emergencies From The Elevator Device

When the **EMERGENCY CALL** icon on the left of the elevator device screen is touched, the predefined security number on the icon is called immediately. The conversation starts when the other party answers. The maximum duration of the speech is 3 minutes. After 3 minutes, the call is interrupted, the call must be restarted.

When the **PHONE CALL** icon on the right of the elevator device screen is touched, the keypad appears on the screen. The person staying in the elevator can call his apartment or other units where he can get help and talk.

If the DOORMAN and BLOCK SECURITY icons on the elevator device search screen are touched, the defined doorman or block security is called.

d. Change The Number Of The Elevator Device Or Convert To A Standard Flat Device

Touching Settings/Service Settings on the monitor's home screen. The requested service password is dialed. Then, by touching the Device Number section, the block number and apartment number asked here are entered. The block number is the block number where the elevator is located (01-98). Enter a number between 821-839 for the elevator as the apartment number. Here the first elevator 821 corresponds to the nineteenth elevator in block 839. Enter 1 as device type and confirm.



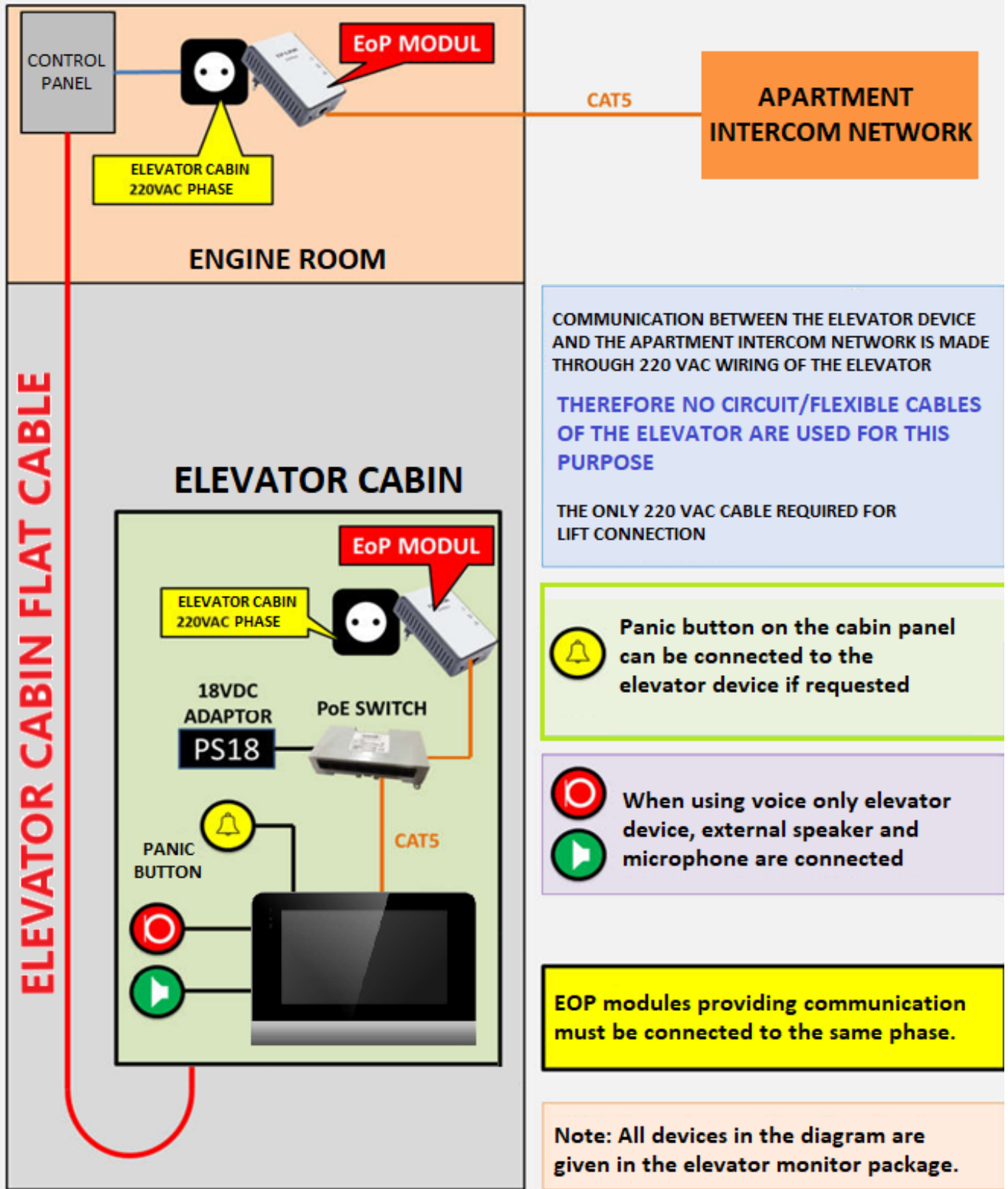
Picture: Elevator Program Page

The monitor restarts itself and the elevator device home page appears on the screen.

To dial the monitor to the apartment monitor number, the call screen page is reached and 99888 is dialed from the keypad and confirmed. Device asks for service password (start 0000). The desired apartment number is entered on the Device Number screen that appears after the correct password is entered.


e. Network Connection Diagram Of Elevator Intercom Device

ELEVATOR EMERGENCY SECURITY CONNECTION DIAGRAM IN MULTITEK IP INTERCOM SYSTEM



f. Introducing The Elevator To The Flat Monitor

Calling an elevator to your floor;

- Enter the Settings section on the home page.
- Activate it by pressing the icon opposite the Elevator Calling text.
- Enter the elevator number on your floor “1” or “2”. It could be an elevator. Enter the number on which floor the flat is on.
- Since the BLOCK NO and FLAT NO were entered in the setup of the monitor before, these sections will come automatically.
- After completing the process, go back to the HOME PAGE and check that there  is an ELEVATOR CALL icon.
- When you press the ELEVATOR CALL icon, the elevator will come to the defined floor.

