VX-TP7

2 wire touch screen Intercom System

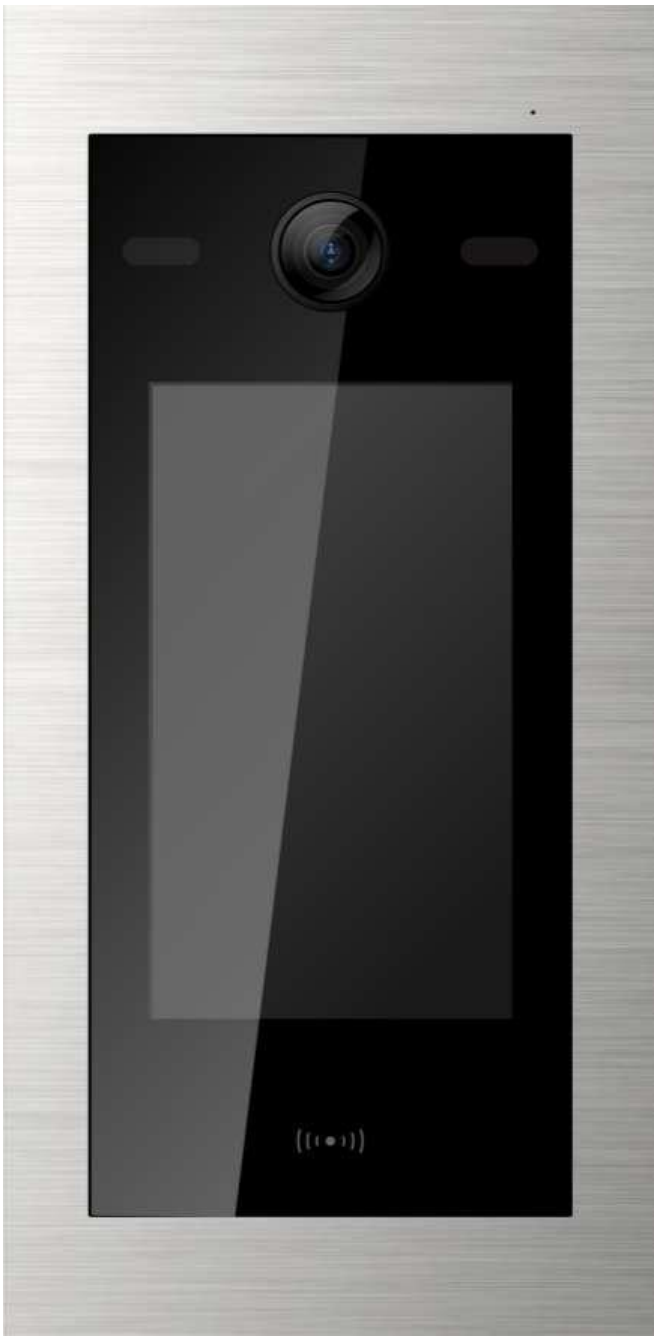

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Table of Contents

1 Product Overview 3
2 Technical Specifications 3
3 Product Components 4
4 Configuration and Operation 6
    4.1 PLC Configuration 6
    4.2 Door Panel Addressing 6
    4.3 Daily Operation 8
5 System Settings 9
    5.1 Accessing Settings 9
    5.2 Settings Reference 9
    5.3 Managing Access Cards 11
6 Lock Connections 12

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1. Features and functions

- High-quality aluminum-alloy housing
- 7-inch IPS touchscreen display with 1024 × 600 resolution
- 2 MP, 1080p camera with a 150° horizontal field of view
- IR LEDs with IR-cut filter for enhanced low-light and night visibility
- Built-in 13.56 MHz MIFARE® card reader
- Multiple access methods, including:
  - MIFARE® credentials
  - PIN/password
  - QR code
- One relay output and one electric-lock connection
- One request-to-exit input
- SD card data backup
- SIP audio and video communication with compatible SIP devices
- RTSP video streaming for compatible video players and recording systems
- Customizable resident directory with resident names and profile images
- IP54-rated environmental protection
- IK07-rated vandal resistance
- Supports both PoE and 2-wire bus power
- Flush-mount and surface-mount installation options

2. Specifications

	VX-T7
Operating System	Embedded Linux OS
Network Protocols	TCP/IP, SIP 2.0, RTSP
Video Compression	H.264
Image Sensor	2 MP CMOS
Viewing Angle	150° horizontal
Night Vision	IR LED with IR-cut filter
Audio Compression	G.711A
Audio Input	Built-in omnidirectional microphone
Audio Output	Built-in speaker
Audio Quality	Noise suppression and echo cancellation
BUS Input/Output	1
Relay Lock Output	1 x 30 VDC / 6 A or 250 VAC / 6 A
Electric Lock Output	1x18V DC/350mA
Tamper Alarm	1
Exit Button Input	1
DC Input	12 VDC, 2-pin power input
SD Card Support	Up to 128 GB
Operation Method	Capacitive touchscreen
RFID	13.56 MHz MIFARE; up to 50 cards per residence
Ingress and Impact Protection	IP54 and IK07
Housing Material	Aluminum alloy with glass screen
Color	Silver
Installation	Surface mount or flush mount
Wiring	2-wire, non-polarized
Power Supply	BUS-powered
Maximum Power Consumption	9.9 W
Operating Temperature	-20°C to 55°C (-4°F to 131°F)
Weight	2.320 kg / 5.11 lb
Dimensions (W x H x D)	156 x 318 x 41 mm (6.14 x 12.52 x 1.61 in)

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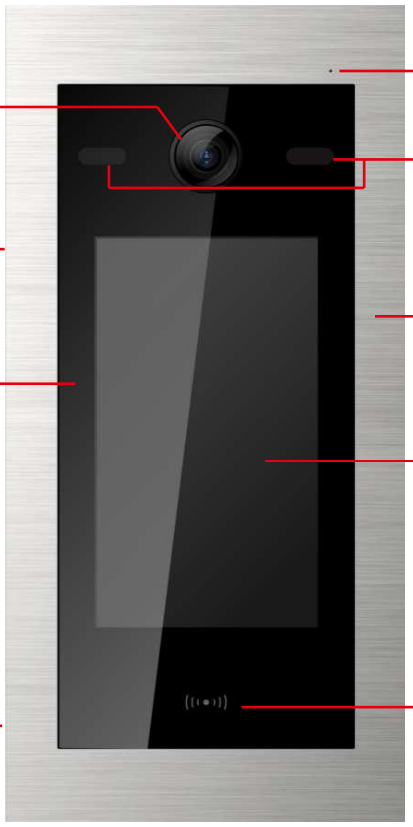
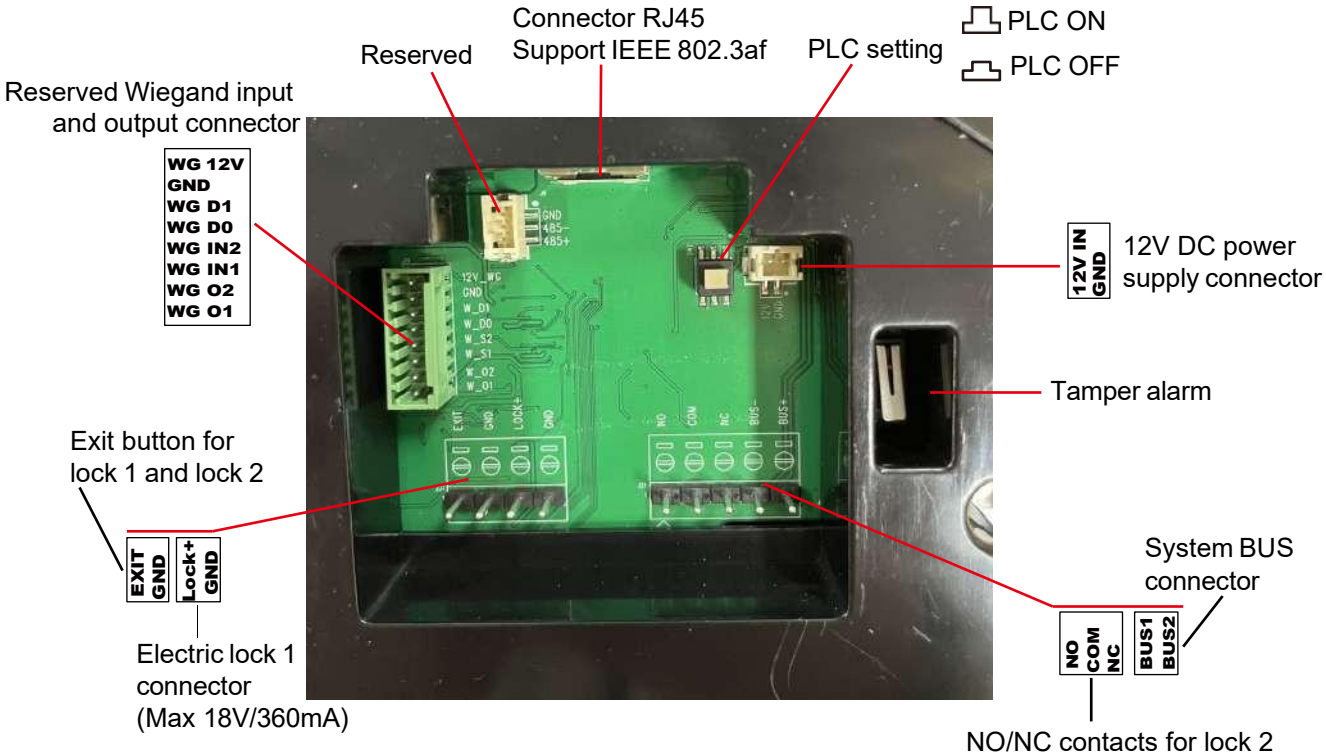
3. Name and function of each part

3.1 Front part



3.2 Back part terminals



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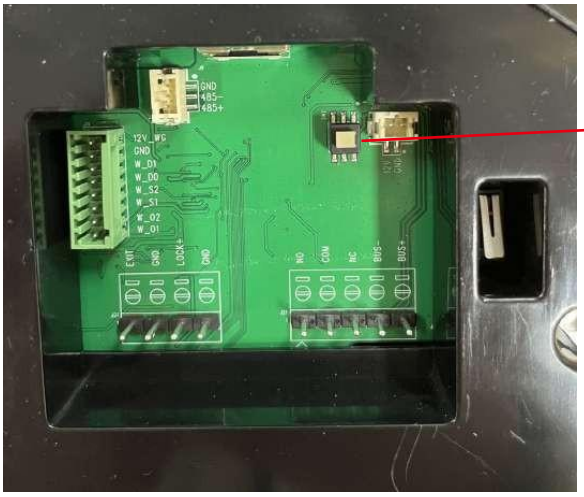
4. Configure and use

4.1 How to configure

1) PLC setting

In a system, there is must and only 1 PLC set as on, we suggest to set Door 1 to “ON” position.
Note: if the PLC (has been changed) the door station need a manually re-power to fresh the diagram communication status.

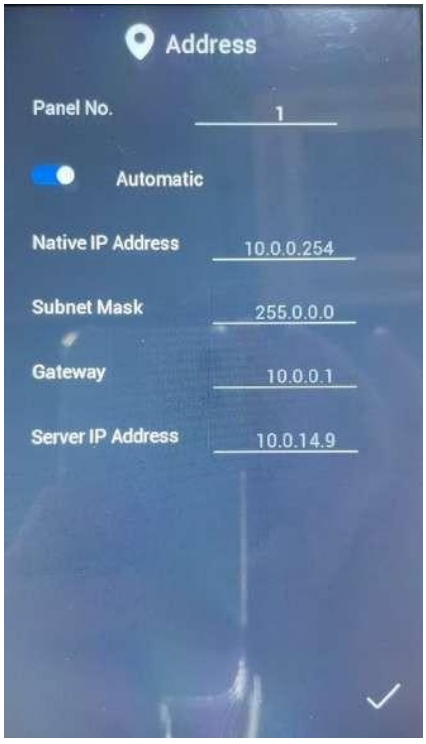


2) Set door panel address

When the PLC is set, you can start power on the device. And you need to set the door panel first, and then set the indoor monitor.
When the panel do the factory reset and power supply, it will show below page:
In this page, you can set the panel No.(Support set as 1~19) and you can choose automatic or manual IP address setting;

If you choose Automatic IP address:

you only need to set the Panel No. and confirm, and then it will restart.



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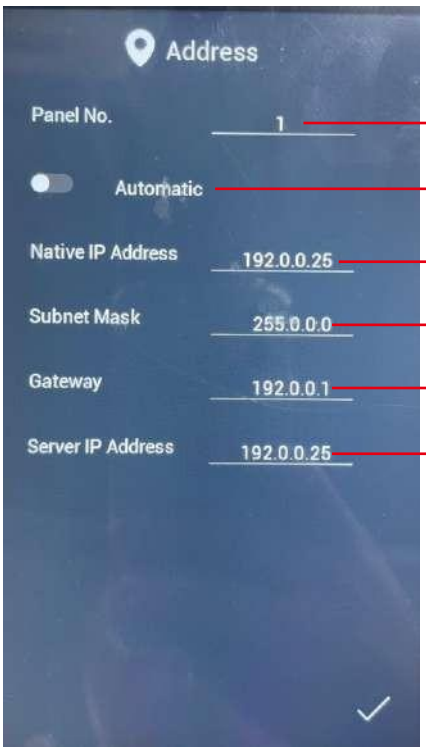
If you choose Manual IP address:

you need to set the Panel No. and set the IP address manually and confirm, and then it will restart.



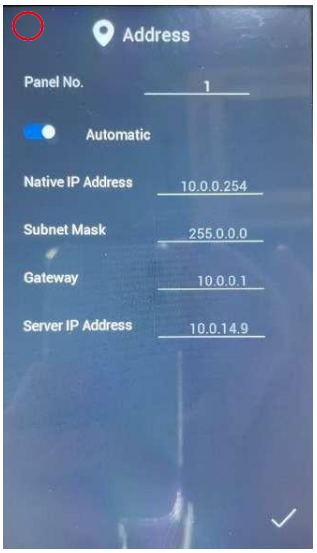
1. Set panel number
2. disable Automatic and set to manual IP address
3. Set panel IP address
4. Set IP address subnet mask
5. Set gateway
6. Enter the IP address of Panel 1

Note:

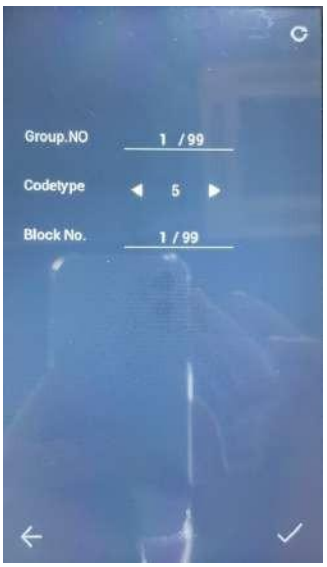
1. the door Panel and indoor monitor must use the same automatic or manual IP address setting. If the door panel uses automatic IP address setting, the indoor monitor also needs to choose automatic IP address setting.

2. The Panel default block No. is block 1, if you want to set to another block or entrance panel, you can change it as the below step shown:

1.Click 7 times in a row in the top left corner as below shown:



2. And then it will show below page, in this page, you can set the Block No (1~99, Entrance panel is 99), others do not change.



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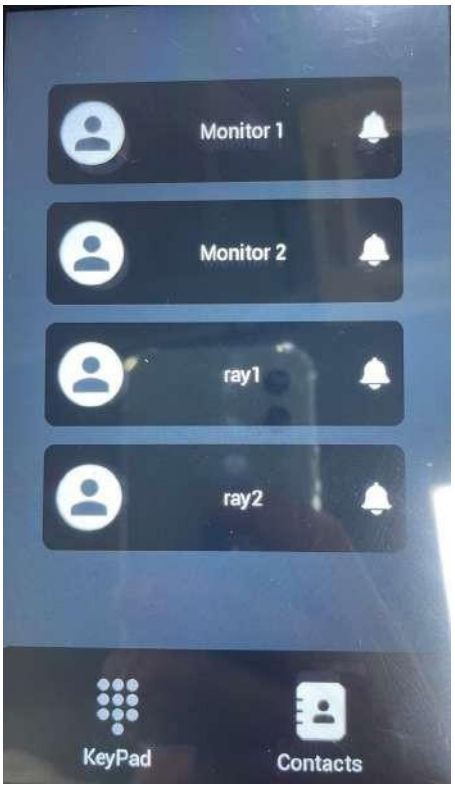
4.2 How to use

When the panel is configured and in standby mode, enter the “Keypad‘ page, and follow the below steps:

1. In this Keypad page, you can just input the family No and click call; and input password to unlock.



2. In this Contact page, it will show the name list of this block you can just click the one you want to call.



5. Setting

5.1 How to enter setting page

When the panel is configured and in standby mode, enter the “Keypad” page, and follow the below steps: (Note: ***default installer PIN code: 0000***)

1. Enter “***** ” + ***Installer PIN code*** +



2. input ***installer PIN code***

3. Setting page



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5.2 setting page

1) Address page
In the address page, it will show current address configure information;

2) Language page
In this page, you can select and set different language;

3) Lock page
In this page, you can enable and disable the Lock 1 and Lock 2 and set the unlock time (1~10 seconds). And you can also set the Exit button delay time (1~30 seconds);

4) Time & Date page
In this page, you can set the date and time format and time zone;

5) Volume page
In this page, you can set the talk volume and beep sound and enable the ring back tone, and enable the tamper switch;

6) Edit user page
In this page, you need to enter the edit password ***9999*** to enter. And then you can edit the username and set the unlock card (each family can add max 50pcs card);

7) Homepage
In this page, you can set the location information, also can set the default homepage to Keypad or Contacts. After setting it, it will show the corresponding homepage when wake up the screen;

8) PIN page
In this page, you can change the installer PIN code (default installer PIN code is ***0000***);

9) reset page
In the page, you can do the user reset (it will reset the general setting besides the address information, user information). Or reboot device and format the SD card, and you can also do the factory reset.

10) About page
In this page, it will show the software information and device address information;

11) PLC page
This page is used to check the communication performance between this door panel and other device;

12) Name list page
In this page, you can set the name list display format;

13) Database page
In this page, you can back up the address or user information to SD card or restore the information from SD card when this panel is damaged or replaced.

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5.3 How to set access cards

When the panel is configured and in standby mode, enter the “Keypad” page, and follow the below steps: (Note: ***default installer PIN code: 0000***)

1. Enter “*” + ***Installer PIN code*** +



2. input ***installer PIN code***



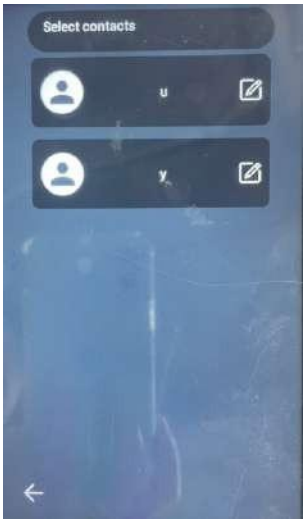
3. Choose “Edit User” page



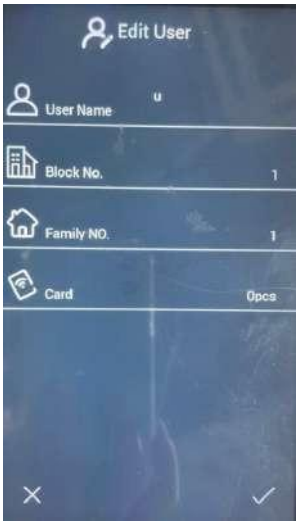
4. input password “***9999***”



5. Choose the user



6. Choose “Card” page



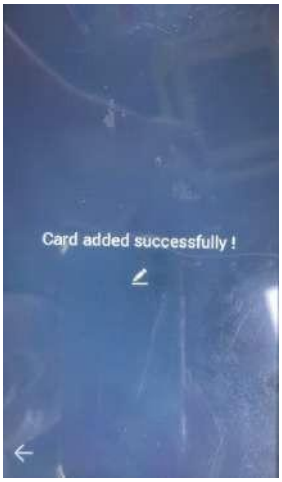
7. you can click “***Add card***” Or “***Delete Card***”



8. if click add card, and then you can attach IC card to card reader



9. It will prompt add successfully!

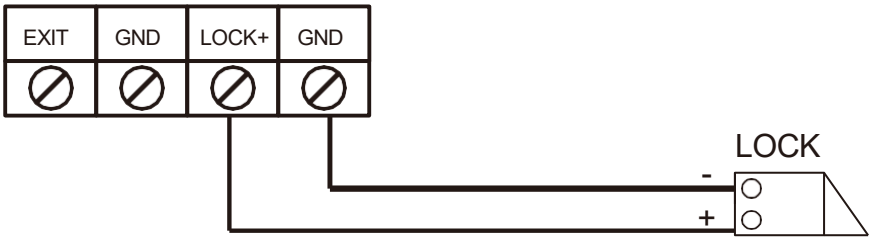


6. Connection

6.1 How to connect lock

Lock 1-Door lock controlled with internal power (electric lock)

Note: the door lock is limited to 18V, and holding current must be less than 360mA,

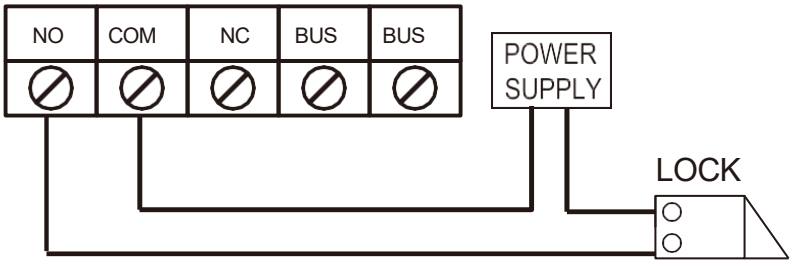


Lock 2-Door lock controlled with relay contact (automatic door)

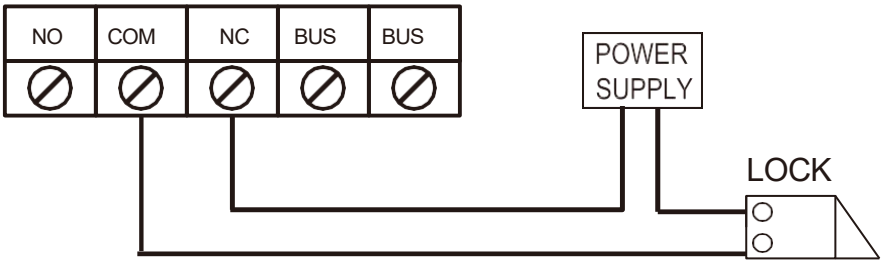
Note:

1. the external power supply must be used according to the lock
2. The relay controller is limited to AC 250V/6A, DC 30V/6A.

NO type: Power-on-to-unlock

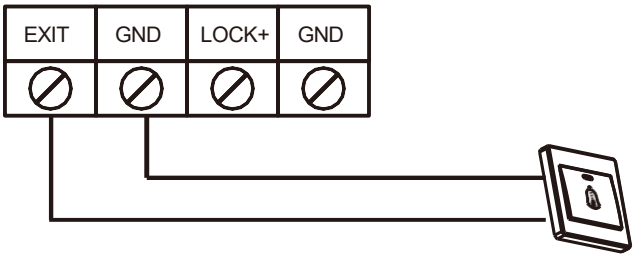


NC type: Power-off-to-unlock



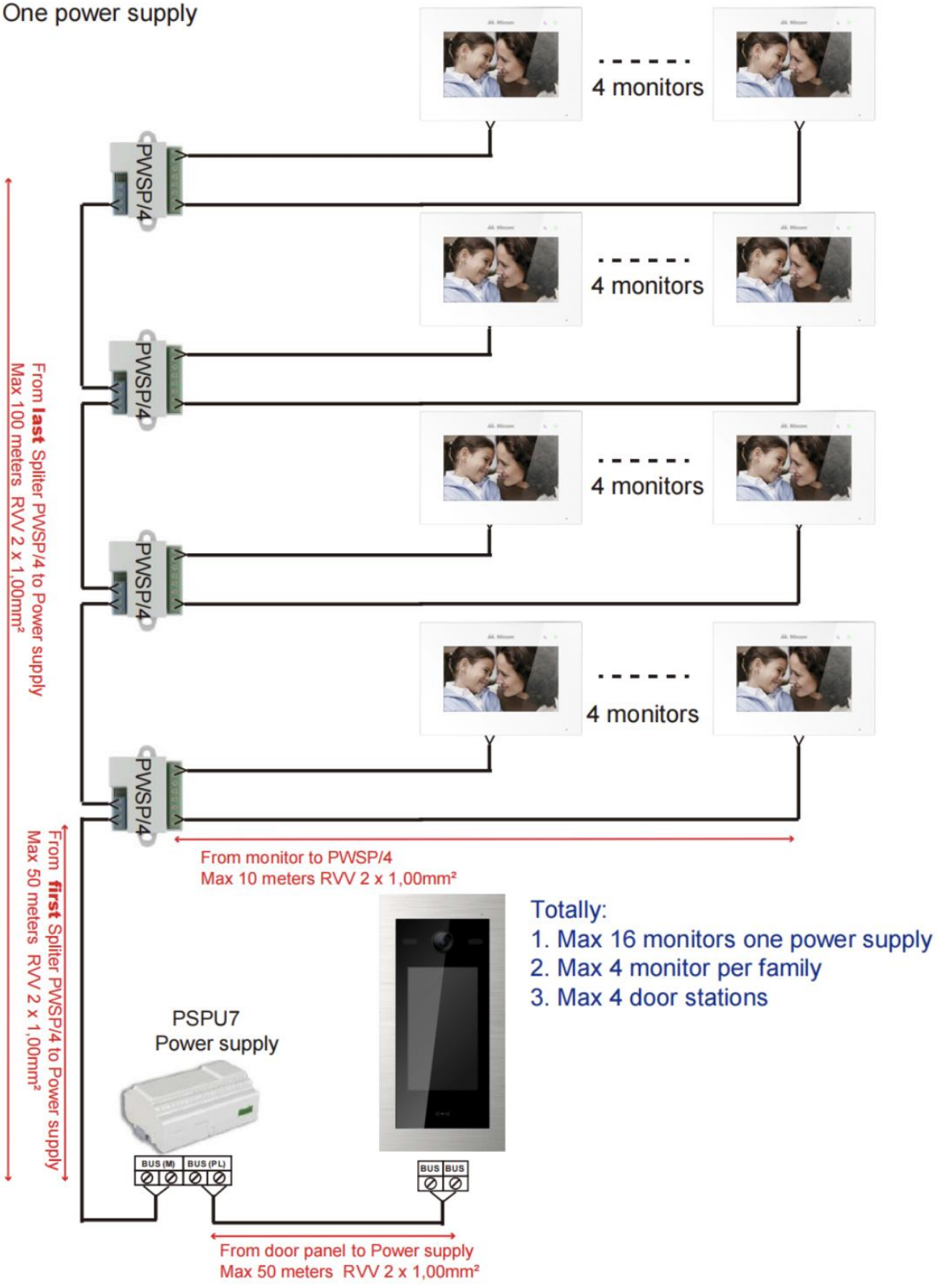
Exit button connection:

It can control electric lock or automatic lock. You can set it on its lock setting page.



6.2 Diagram

One power supply



Totally:

1. Max 16 monitors one power supply
2. Max 4 monitor per family
3. Max 4 door stations

Big building

