















2 WIRE INTERCOM SYSTEM

FVI-7004 KIT & FVI-7008 KIT

Quick Guide







FVI-7014



FVI-7018

Please read this manual carefully before using the product you purchase, and keep it well for future use. We reserve the right to modify the specification in this manual at any time without notice.

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1. Product Lists Of Kits

FVI-7004 KIT consists of:

1*Outdoor Station- FVI-7014;

1*Surface Box- FVI-7000;

4*Indoor Unit- FVI-7013;

1*4 Branch Controller- FVI-6011DBC4A;

1*Power Supply- FVI-6017PC6;

1*Power cable;

4*Proximity Cards;

2*Management Cards- Add Card & Delete Card.

FVI-7008 KIT consists of:

1*Outdoor Station-FVI-7018;

1*Surface Box- FVI-7000;

8*Indoor Unit- FVI-7013;

2*4 Branch Controller- FVI-6011DBC4A;

1*Power Supply- FVI-6017PC6;

1*Power cable:

8*Proximity Cards;

2*Management Cards- Add Card & Delete Card.









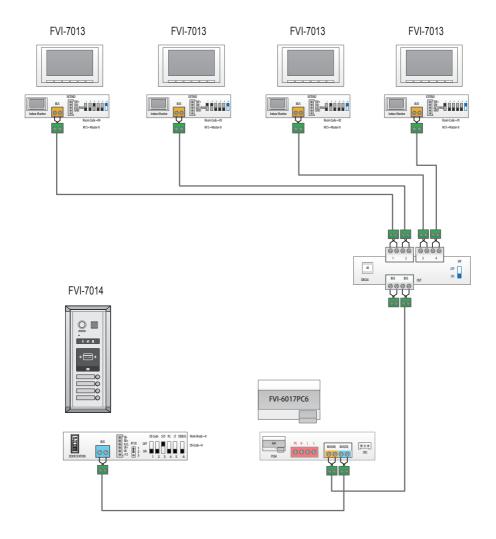






2. System Connection

1 pcs FVI-7014 with 4 pcs FVI-7013

















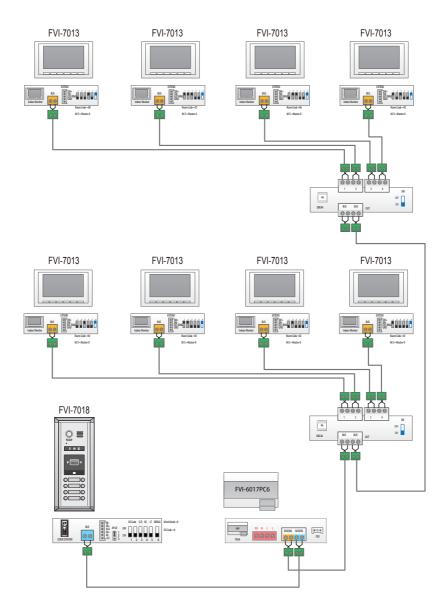








1 pcs FVI-7018 with 8 pcs FVI-7013















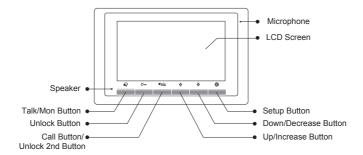


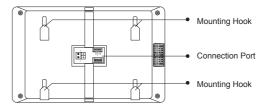






3. Parts and Functions





Key functions

Microphone	Receive voice from the user.			
LCD screen	Display the visitors' image.			
Setup button	Press to select the setting item you want.			
Down/Decrease	Descrite describe and a			
button	Press to decrease the value.			
Up/Increase button	Press to increase the value.			
Speaker	Send out vioce from the visitor.			
T-11 /M 1 - 44	Press to communicate hands free with visitor;			
Talk/Mon button	Press to view the outdoor condition in standby mode.			
Unlock button	Press to release the door			
	In standby mode, pick up handset, then press Call button to			
Call button/Unlock	activate the inner call;			
2nd button	During calling/talking state, press Unlock 2nd button to			
	release the second door.			
Mounting hook	Use to hang up the monitor.			
Connection port	Bus terminal.			













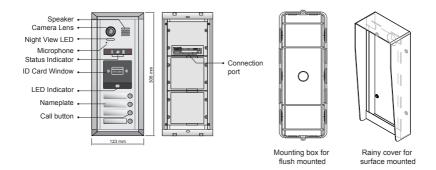






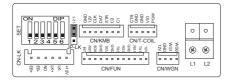






Note: Key A and key B will not be seen on the panel, they are cryptic. About activating key A and key B, please refer to Part 5.

4. Terminal Description For Outdoor Station



- +12V: 12VDC power output.
- LK-: Power ground.
- **LK+:** Common contact of the relay.
- **NO.:** Normally open contact of the relay
- **EB+:** Exit button positive connection port.
- **EB-:** Exit button negative connection port.
- **JP-LK:** For electronic lock safety type setting(refer to door lock connections).
- **SET**: DIP switches for system configurations.
- CN/KMB: Call button module connection port.
- CN/T-COIL: Reserved.
- CN/FUN: Touch sensor keypad module or TFT display module connection port.
- CN/WGN: Card reader module connection port.
- **Bus**(L1,L2): Non-polarity bus line connect to FVI-6017PC6(power comb unit).

























5. DIP Switches Settings Of Outdoor Station

Totally 6 bits can be configured by dip-switch. All switches can be modified either before or after installation, please restarting the power whenever the switches have been modified.







Bit definition	Bit state	Function Descriptions		
Bit-1 and Bit-2 (door station ID setting)	ON 123456	Default setting, ID = 0, setting for the first door station		
	ON 1 2 3 4 5 6	ID = 1, setting for the second door station		
	ON 123456	ID = 2, setting for the third door station		
	ON 1 2 3 4 5 6	ID = 3, setting for the fourth door station		
Bit-3 (single or double row button setting)	ON 1 2 3 4 5 6	Default setting ,set "OFF " when using a double row button do station		
	ON 123456	Set "ON" when using a single row button door station		
Bit-4 (button code select)	ON 1 2 3 4 5 6	Default setting, set "OFF " when using the default codes of the button		
	ON 123456	Set " ON " when using the programmed codes of the button.		
Bit-5 (unlock time quick setting)	ON 1 2 3 4 5 6	Default setting, unlocking time = 5 seconds.		
	ON 123456	Unlocking time = 10 seconds.(can be changed by door station or software)		
Bit-6 (cryptic key setting)	ON 1 2 3 4 5 6	Default setting, normally key A and key B is not useful(about the position of key A and key B,please refer to part 2)		
	ON 1 2 3 4 5 6	Activating the key A and key B is allowed.		













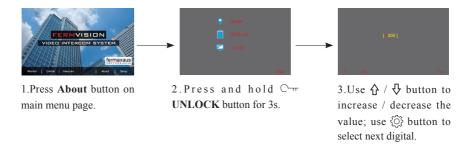






6. Indoor Unit Parameter Setting

How to enter the installation setting page



How to know the machine code

When you want to set the monitor parameter, you must to know the setting code.



Press? button on this page.

Use 介 / ♂ button to search the code you want.

























DIP Switches Settings Of Indoor Unit

In the DT system, every apartment must have a unique identification called User Code. The DIP swiches are used to configure the User Code for each Monitor.

- Bit-1 to Bit-5 are used to User Code setting. The value is from 1 to 32, which have 32 different codes for 32 apartments.
- When multi Monitors are installed in one apartment, these Monitors have to use the same User Code setting, and the Master/Slave mode should be set on the Monitor.
- · Bit-6 is line terminal switch, which have to be set to ON if the Monitor is in the end of the line(bus), otherwise set to OFF. The end of the line is terminal that no other section will start from it.

Bit-6 line terminal setting:







Bit state	Setting	Bit state	Setting
ON 123456	Monitor not at the end of the line.	ON 123456	Monitor at the end of the line.

Bit state	User Code	Bit state	User Code	Bit state	User Code
ON 1 2 3 4 5 6	Code=1	ON 1 2 3 4 5 6	Code=12	ON 1 2 3 4 5 6	Code=23
ON 1 2 3 4 5 6	Code=2	ON 1 2 3 4 5 6	Code=13	ON 1 2 3 4 5 6	Code=24
ON 1 2 3 4 5 6	Code=3	ON 1 2 3 4 5 6	Code=14	ON 1 2 3 4 5 6	Code=25
ON 1 2 3 4 5 6	Code=4	ON 123456	Code=15	ON 1 2 3 4 5 6	Code=26
ON 1 2 3 4 5 6	Code=5	ON 12 3 4 5 6	Code=16	ON 1 2 3 4 5 6	Code=27
ON 1 2 3 4 5 6	Code=6	ON 12 3 4 5 6	Code=17	ON 1 2 3 4 5 6	Code=28
ON 1 2 3 4 5 6	Code=7	ON 1 2 3 4 5 6	Code=18	ON 1 2 3 4 5 6	Code=29
ON 1 2 3 4 5 6	Code=8	ON 1 2 3 4 5 6	Code=19	ON 1 2 3 4 5 6	Code=30
ON 1 2 3 4 5 6	Code=9	ON 1 2 3 4 5 6	Code=20	ON 1 2 3 4 5 6	Code=31
ON 1 2 3 4 5 6	Code=10	ON 1 2 3 4 5 6	Code=21	ON 1 2 3 4 5 6	Code=32
ON 1 2 3 4 5 6	Code=11	ON 1 2 3 4 5 6	Code=22		



















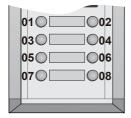
7. Call codes

The door station automatically assigns the call codes to the connected module's buttons. Regardless of the structure of the call button module, the button numbers are listed from the top to bottom and from left to right (in the case of double row buttons):

In the case of double row buttons:

DIP3 switch set to off





In the case of single row buttons:

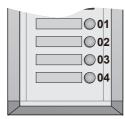
DIP3 switch set to off





DIP3 switch set to on























8. Basic Door Release Operation

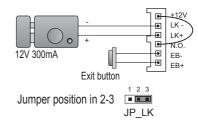
- Press CALL button on outdoor station, the Monitor rings, at the same time, the screen displays the visitors' image.
- Press TALK/MON Button on monitor, you can communicate hands free with the visitor for 90 seconds. After finishing communication, press TALK/MON button again to end the communication. If nobody answers the phone, the screen will be turned off automatically after 40 seconds.
- During talking state, Press C--- UNLOCK Button to open the door for the visitor.(if two locks are connected to door camera, press $\mathbb{Q}^{(n)}/\mathbb{Q}_{\pi}^2$ unlock 2nd Button to release the second lock)
- When the monitor is in standby mode, press TALK/MON Button, or press Monitor button on main menu, the screen can display the view of outside. At this time, if multi door stations are installed, you can use 介 / ♥ Button to switch the door station or CCTV camera you want.

9. Electric Lock Connection

1) Door Lock Controlled with Internal Power

- 1. The door lock is limited to 12Vdc, and holding current must be less than 250mA when using internal power supply mode.
- 2. The Unlock Mode Parameter must be set to 0 (by
- 3. Jumper set to 1-2 position for power-off-to-unlock safety type(Normally closed mode); set to 2-3 position for power-on-to -unlock type(Normally open mode).
- 4. If different unlocking time is needed, change the unlock time on door station, detail information refer to DT system technical guide.

Power-on-to-Unlock type:





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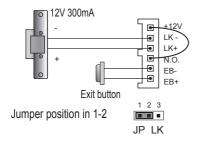








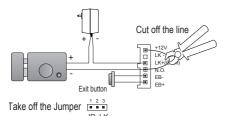
Power-off-to-Unlock type:



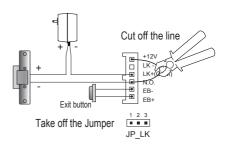
2) Door Lock Controlled with External **Power**

- 1. The external power supply must be used according to the lock.
- 2. The jumper must be taken off before connecting.
- 3. Setup the Unlock Mode Parameter for different lock types
- Power-on-to-unlock type:Unlock Mode=0(by default)
- Power-off-to-unlock type:Unlock Mode=1
- 4. If different unlocking time is needed, change the unlock time on door station, detail information refer to DT system technical guide.

Power-on-to-Unlock type:



Power-off-to-Unlock type:



10. Specification

Power supply: 26Vdc

Power Consumption Of Outdoor Station:

1W in standby;

5W in working.

Power Consumption Of Indoor Unit:

0.2W in standby;

6.2W in working.

Unlock Power output: 12Vdc.250mA

1~99s Unlock timing:

 $-20^{\circ}\text{C} \sim +55^{\circ}\text{C}$ Working temperature:

Wiring: 2 wire, non-polarity

Dimension:

 $140(H)\times220(W)\times17.5(D)$ mm(Indoor Unit)

 $313(H)\times128(W)\times63(D)mm(flush)$

 $313(H)\times128(W)\times70(D)$ mm(surface)







