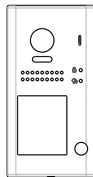


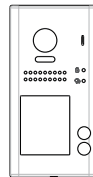
2-WIRE SERIES

MODEL DT607C

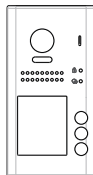
USER MANUAL



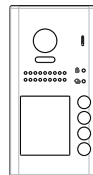
DT607C-S1



DT607C-S2



DT607C-S3



DT607C-S4

- Please read this manual carefully to ensure safe and correct operation
- Keep this manual for future reference

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SETUP INSTRUCTIONS

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WIRING

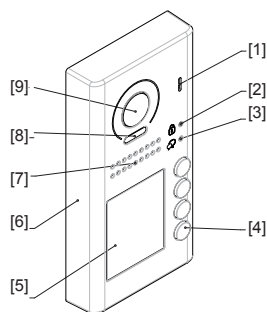
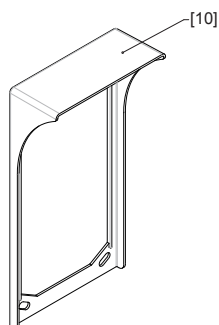
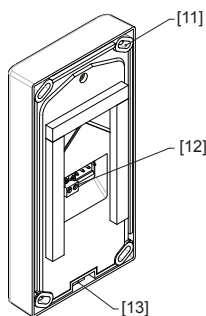
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PARTS AND FUNCTIONS

Parts Names



[1] Microphone

[2] UNLOCK indicator

[3] CALL indicator

[4] Call button

[5] Nameplate

[6] Front panel

[7] Speaker

[8] Night view LED

[9] Camera lens

[10] Rain cover

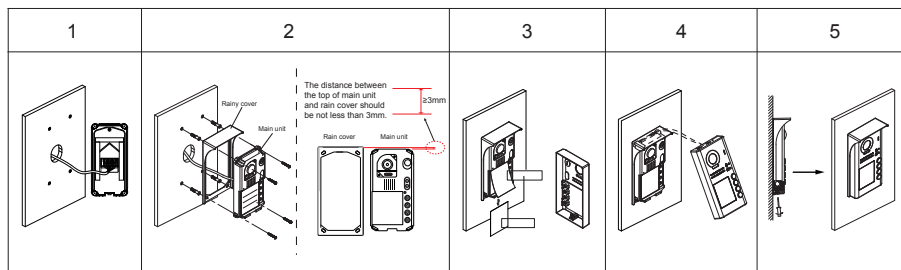
[11] Mounting hook

[12] Connection port

[13] Screw hole

Mounting

The installation height is suggested to 145~160cm



1. Connect the cable

2. Drill holes in the wall to match the size of screw stoppers, then attach the rain cover and main unit to the wall. Distance between the top of main unit and rain cover should be not less than 3mm

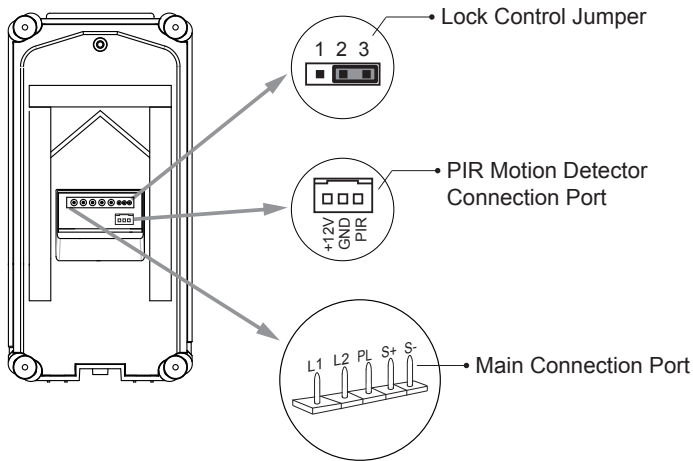
3. Install the name plate

4. Attach the front cover to the main unit

5. Use supplied allen key and the screws to fix the cover

PARTS AND FUNCTIONS

Terminals description



Lock Control Jumper: To set lock type

Motion Detector Connection Port: To connect external PIR motion detector

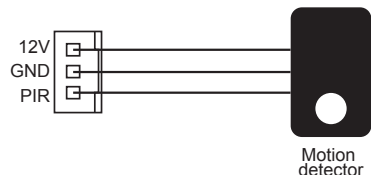
Main Connection Port: To connect the bus line and the electric lock

- **L1,L2:** Connect bus line, no-polarity
- **PL:** External lock power input, connect to the power positive (power +).
- **S+:** Lock power(+) output
- **S-:** Lock power(-) output, connect to the power(-) input of lock(only when lock is powered from the Door Station)

External Motion Detection

The door station is equipped with a terminal to connect external motion detector sensor

If the external motion detector is connected to the system and it detect someone passing by, it will turn on security light. Additional DT-RLC is required



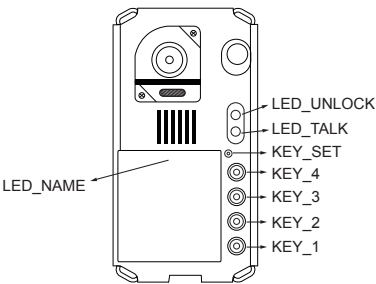
SETUP INSTRUCTIONS

Functions Setting Up

This section explains the settings of each function. Please refer to the following table.

To perform the settings for the function you want, you should remove door station cover plate

Each operation is indicated by the lighting up of the **LED** indicator on the unit and by the sounding of the buzzer.



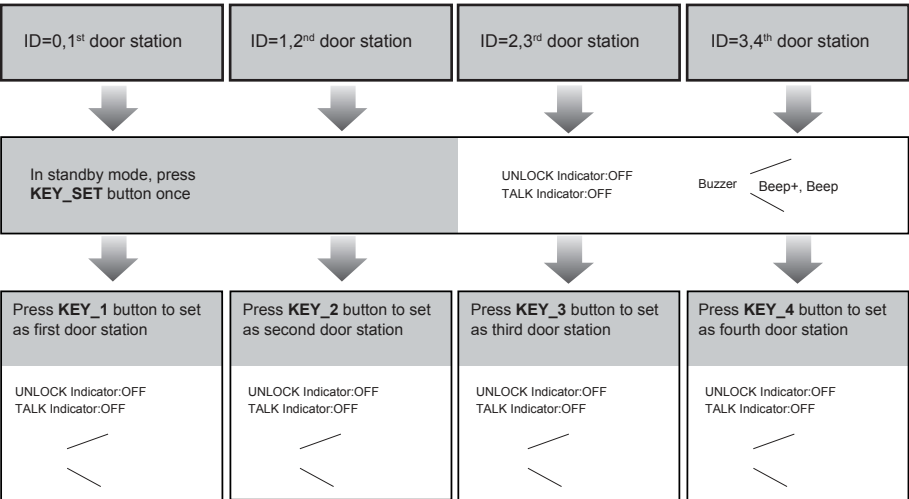
Order	Setting items	Setting range	Default value
1	Setting door station address	0~3	0
2	Setting door station calling mode	Standard/Group calling mode	Standard calling mode
3	Setting the unlock mode	0:opened/1:closed	0:opened
4	Setting the unlock time	01 to 99 seconds	1 seconds
5	Setting the nameplate illumination mode	On/Off/Auto	On
6	Setting night view LED illumination mode	On/Off/Auto	Auto
7	Setting ring-back tone	Ringing ones Ring continuously No ring-back tone	Ringing ones

SETUP INSTRUCTIONS

Setting Door Station Address

Total 4 addresses can be configured. It can be modified either before or after installation.

0 is default, to change the setting, please follow the steps:



- If setting mode has not been exited, you can change the address of door station by pressing KEY1~4
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button four times to exit the setting mode manually

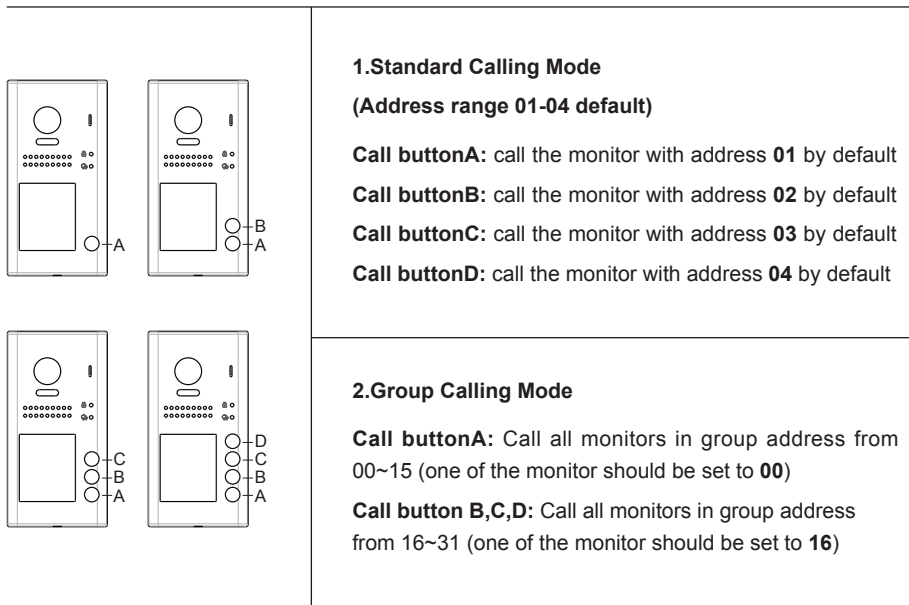
Setting Door Station Calling Mode

There are two calling modes for door station: **Standard calling** mode and **Group calling** mode

Standard Calling Mode is default

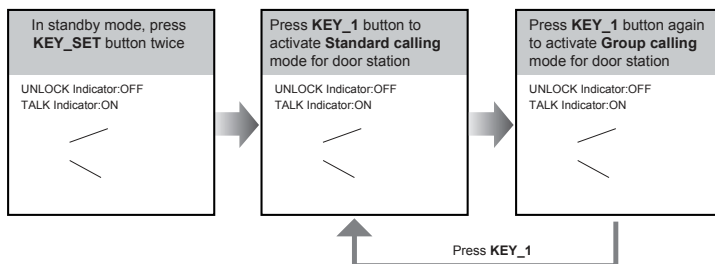
SETUP INSTRUCTIONS

Each call button will respond different addresses when set in different calling modes
Refer to the following for more information



Refer to the manual for Video Monitor for more info about monitor address setting

To change this setting, please follow the steps:



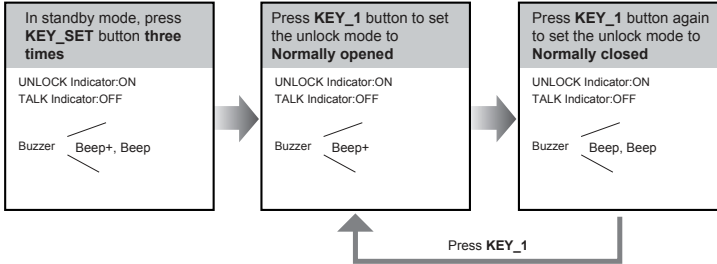
- If setting mode has not been exited, you can change the calling mode by pressing KEY1 circularly
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button three times to exit the setting mode manually

SETUP INSTRUCTIONS

Setting Unlock Mode

There are 2 unlock modes, **Normally opened** and **Normally closed**

Normally opened is default. To change it, please follow the steps:

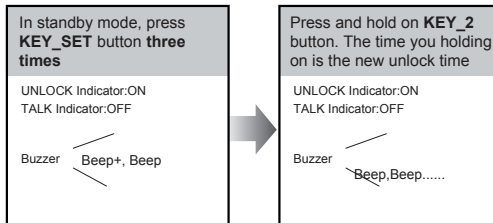


- If setting mode has not been exited, you can change the unlock mode by pressing KEY1 circularly
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button twice to exit the setting mode manually

Setting Unlock Time

Default unlocking time is 1s. Can be changed to anything from range 1s~99s

Follow the steps:



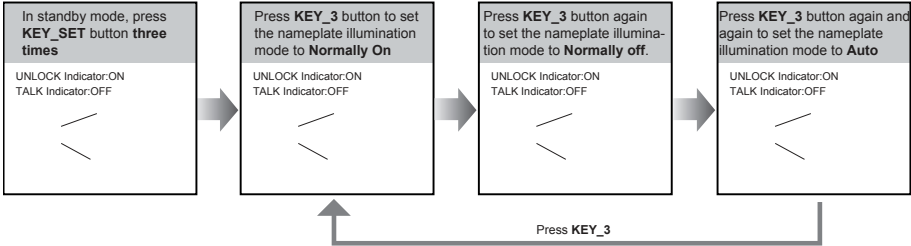
- When entering time delayed setting, the buzzer sounds ones per second
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button twice to exit the setting mode manually

SETUP INSTRUCTIONS

Setting Nameplate Illumination Mode

There are 3 illumination modes for nameplate: **Normally On**, **Normally Off** and **Auto**

Normally On is default. To change the setting, please follow the steps:

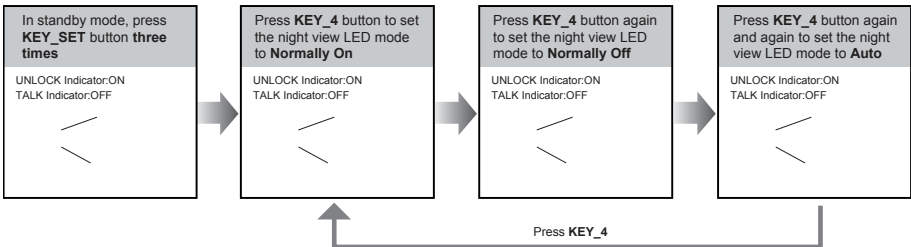


- If setting mode has not been exited, you can change the nameplate illumination mode by pressing KEY3 circularly
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button twice to exit the setting mode manually

Setting Night View LED Illumination Mode

There are 3 working modes for night view LED indicator: **Normally On**, **Normally Off**, **Auto**

Auto is default. To change the setting, please follow the steps:



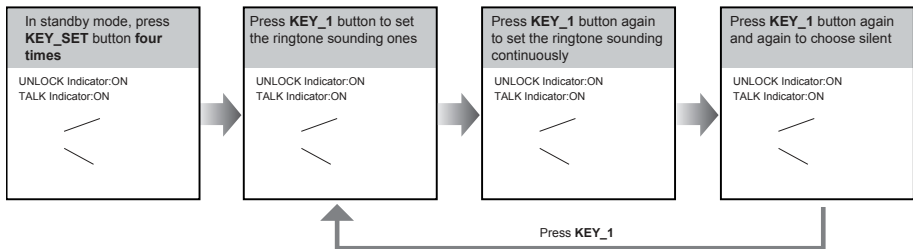
- If setting mode has not been exited, you can change the night view LED illumination mode by pressing KEY4 circularly
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button twice to exit the setting mode manually

SETUP INSTRUCTIONS

Setting Door Station Ringtone

There are 3 ringtone options available to choose from: **Ringing ones**, **Ringing continuously** and **No ringtone**

Ringing ones is default. To change the setting, please follow the steps:

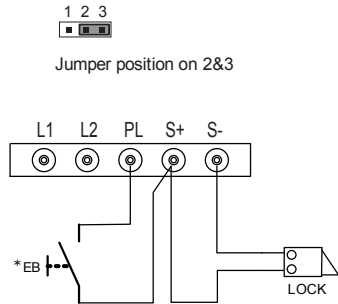


- If setting mode has not been exited, you can change the ringtone by pressing KEY1 circularly
- The **LED_NAME** indicator will blink until the setting mode is exited
- No operation for 10 seconds will exit the setting mode automatically
- Press **KEY_SET** button once to exit the setting mode manually

Connecting Electric Lock

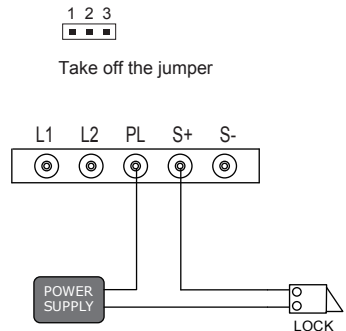
Door Lock Controlled with Internal Power

1. Electronic lock of Power-on-to-unlock type should be used
2. The door lock is limited to 12V, and **holding current must be less than 250mA**
3. The jumper should be placed on position 2 and 3 before connecting the lock
4. The door lock control is not timed from Exit Button(EB). Can be timed with additional RLC Lock Control Interface
5. The **Unlock Mode** must be set to 0 (default)



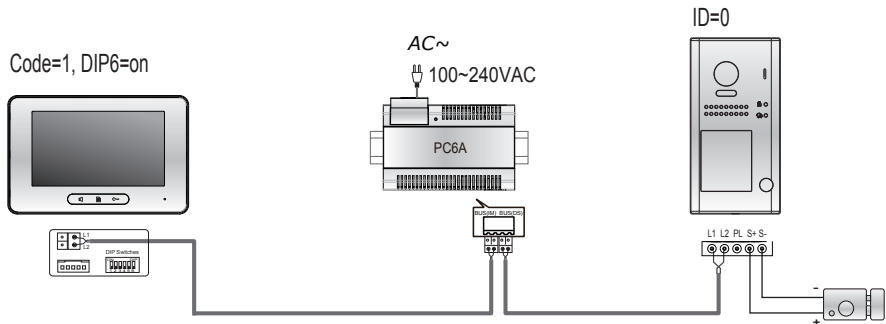
Door Lock Controlled with Dry Contact

1. The external power supply must be used according to the lock specs
2. The inside relay contact is restricted to 230Vac 1A or 24Vdc 1A
3. **The jumper must be taken off before connecting the lock**
4. Set the **Unlock Mode** according to different lock types:
 - Power-on-to-unlock type: Unlock Mode=0 (default)
 - Power-off-to-unlock type: Unlock Mode=1



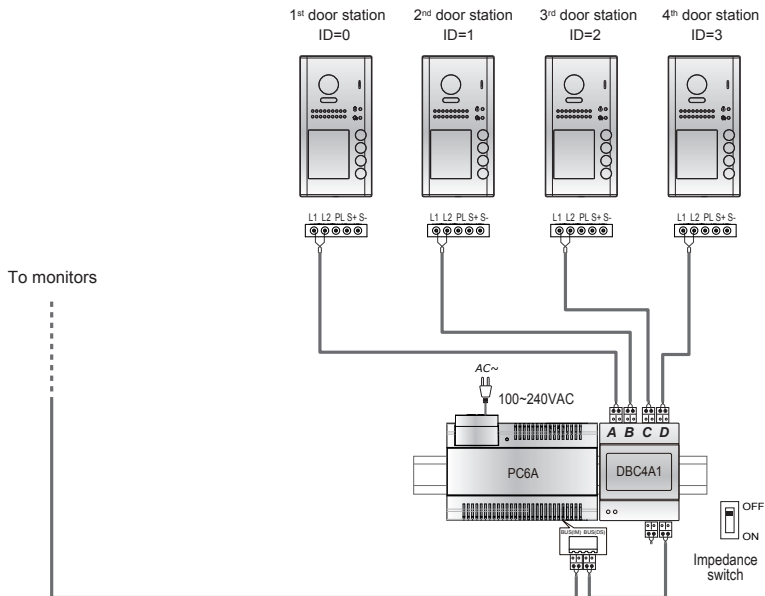
* DT-RLC Lock Control Interface is needed to connect second lock or to make EB timed

Connecting 1- Monitor and 1-Door Station System



- The door station work in **Standard** mode in this situation. Refer to Page 8 for details

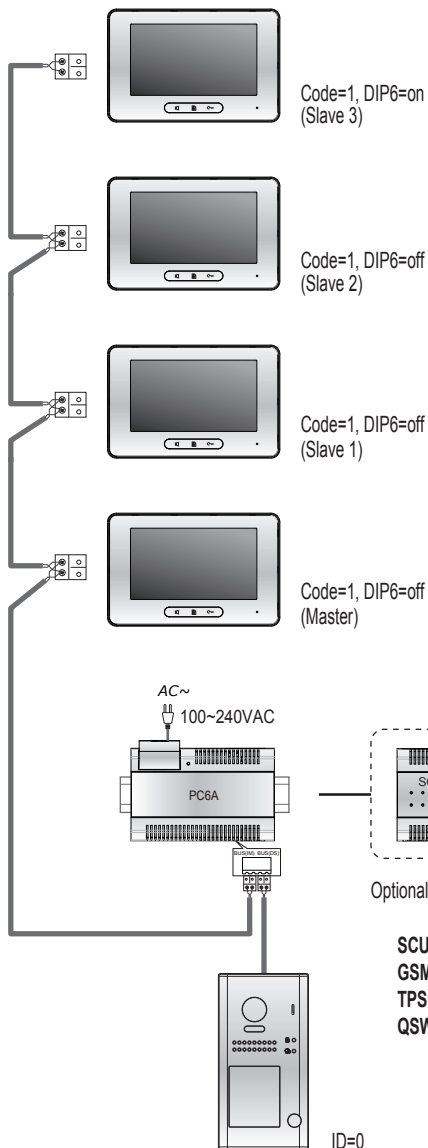
Connecting Multiple Door Stations



- Max.4 door stations can be connected to the system
- Ensure to set the correct address for each door station, Refer to Page 7 for more details about the door stations address settings

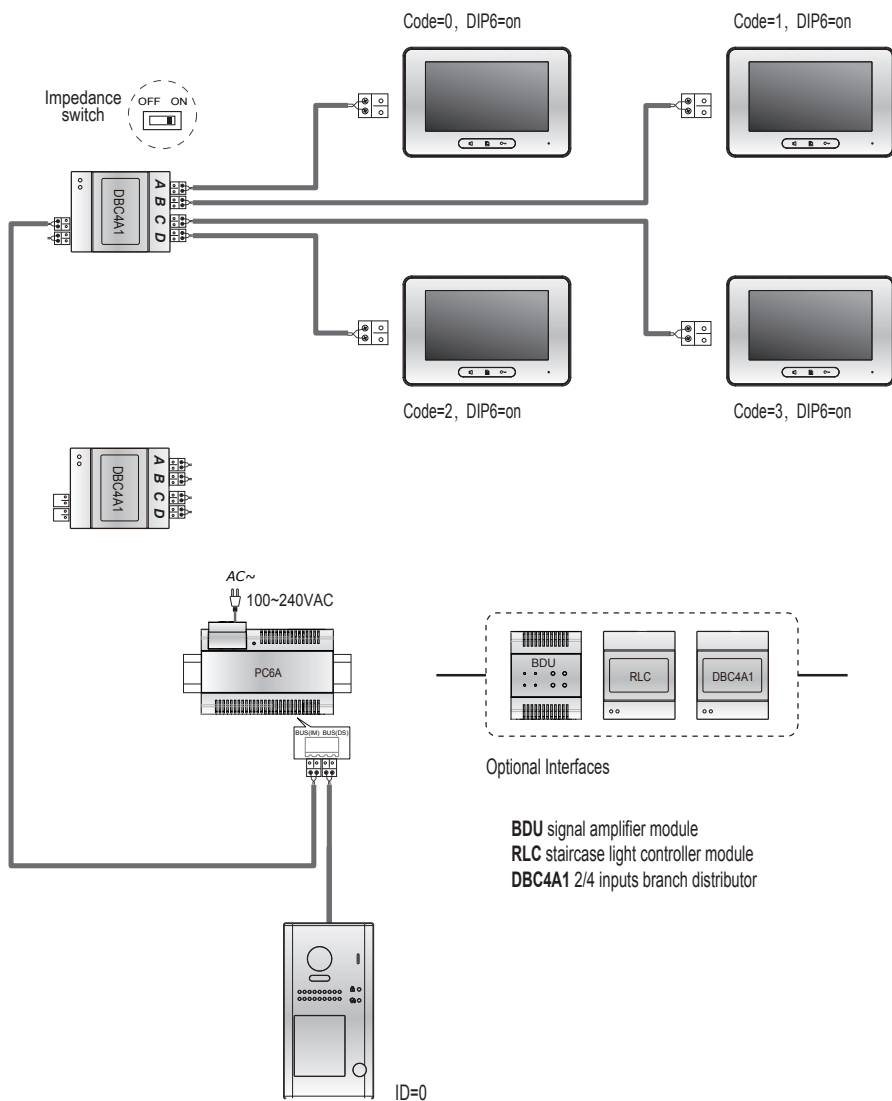
Connecting Multiple Monitors

Daisy Chain In-Out Wiring Door Station in Standard Mode



- Recommended for up to 4-Monitors system
- All monitors in the system should have same User code 1
- Program first monitor as 'Master' and others as 'Slave' 1, 2 and 3
- Flip DIP-6 on the last monitor to On (end of line)

Star Wiring Door Station in Group Calling Mode



- Recommended for systems with up to 15 video monitors
- All video monitors must have a unique User Code starting with Code 0-15

APPENDIX

Precautions

- Please clean the unit with soft cotton cloth, don't use the organic impregnant or chemical clean agent. If necessary, please use a little pure water or dilute soap water to clean the dust
- The unit is weather resistant. However do not spray high pressure water onto door station directly. Excessive moisture may cause problems
- You must use only original Intelligent Power supply which is supplied or approved by the manufacturer
- Pay attention to the high voltage inside the products, please refer service only to a trained and qualified professional

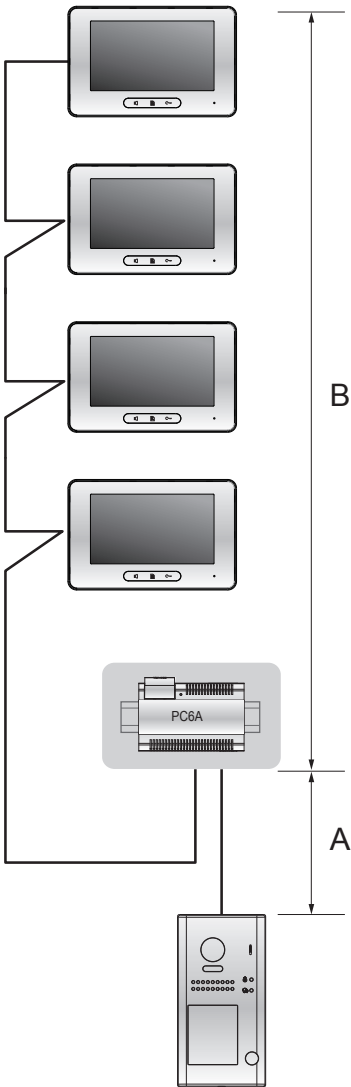
Specification

Power supply:	DC 24V
Power consumption:	Standby 0.8W; Working 3W
Camera lens:	Color CMOS, 520TVL 1/4" camera, 105° angle of view
Lock Power supply:	12Vdc, 280mA (Internal Power);
Number of relay circuits:	2 (second lock need external power supply)
Mounting:	Surface mount
Working temperature:	-20°C ~ +55°C
Protection:	IP54
Material:	Zinc alloy
Wiring:	2 wires, no-polarity
Dimension:	H176×W90×D24mm

Cables and Requirments

The maximum distance of the wiring is limited in the DT system. Using different cables may also affect the maximum distance which the system can reach

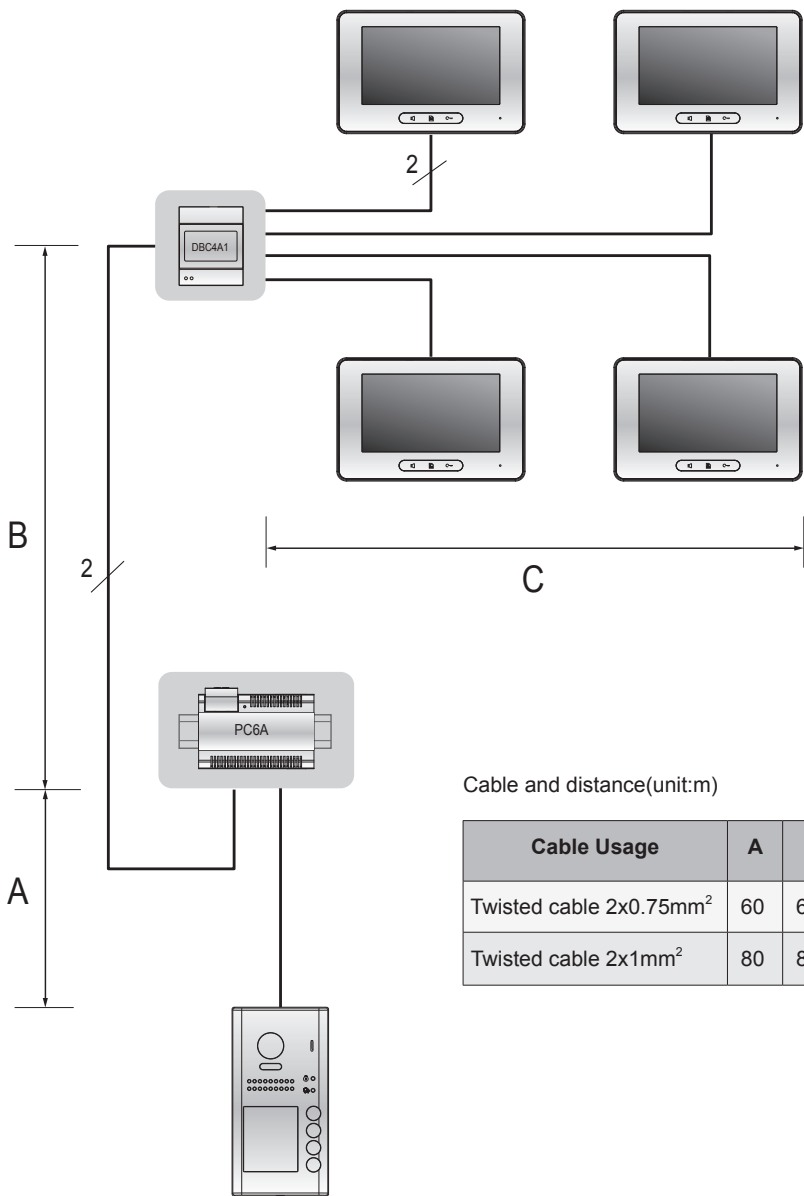
Basic IN-OUT Wiring Mode



Cable and distance(unit:m)

Cable Usage	A	B	B
		≤2 IM	≤16 IM
Twisted cable 2x0.75mm ²	60	100	40
Twisted cable 2x1mm ²	80	120	60

Star Topology Wiring Mode With DBC4A1



Cable and distance(unit:m)

Cable Usage	A	B	C
Twisted cable 2x0.75mm ²	60	60	30
Twisted cable 2x1mm ²	80	80	40

Note

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