CDV4791S-DX KIT MANUAL

IMPORTANT:

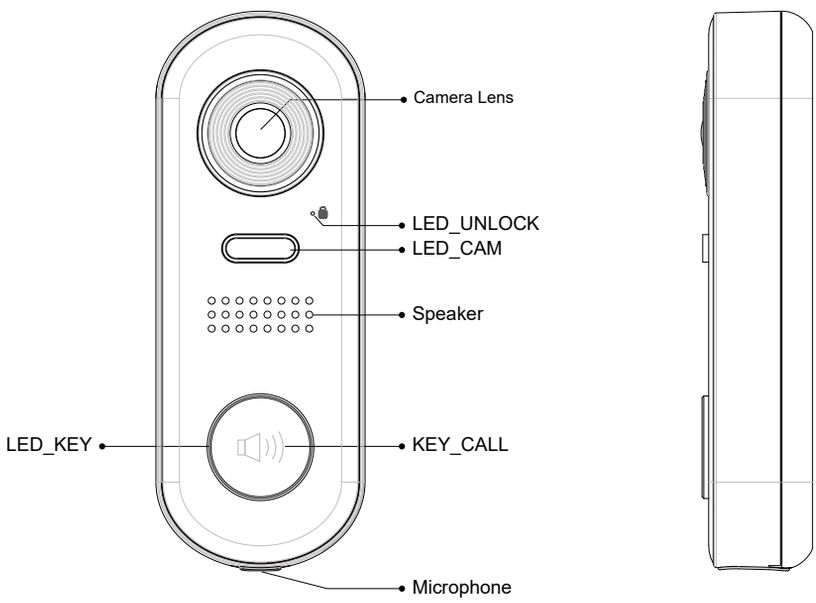
Limitations of this manual: This is provided to allow basic installation and set up of this kit, for advanced features please see device manuals included in each product box.

Note: For WiFi Set up please see the CDV47DX manual Pg. 21

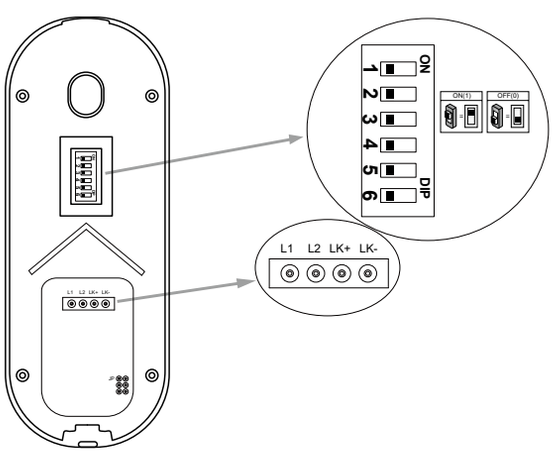
1. CDV4791S-DX KIT CONTENTS

1 x CDV91S - 1 or 2 Button Video Entry Panel
1 x CDV-PC6 - Power/Bus Combiner
1 x CDV47DX - TFT Touch screen Internal Monitor
1 x 145mm Din Rail
1 x CDV4791A-DX Kit Manual

2: CDV91S Parts and Functions



2.1: Terminal Descriptions



DIP:

Bit 1&2: sets the door station address, a total of 4 door stations can be supported. Please refer to door station address setting.

Bit 3&4: sets the unlock time for door station. Please refer to unlock time setting.

Bit 5: sets the unlock mode for door station (0(OFF):open/1 (ON):closed).

Bit 6: 0(OFF) --> 1(ON), to enter the setting mode.

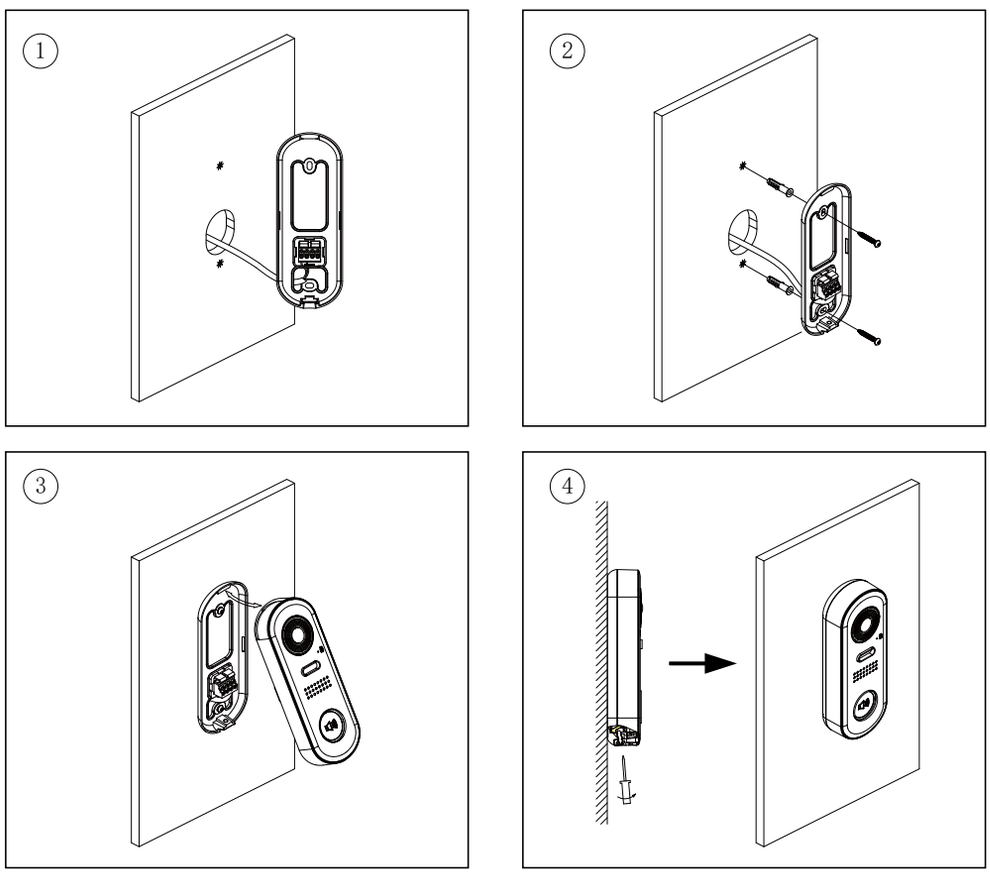
L1,L2: Connect to the bus line, no polarity.

LK+: Lock power(+) output.

LK-: Lock power (-) output, connect to the power (-) input of lock.

JP: Lock Control Jumper.

3: Mounting



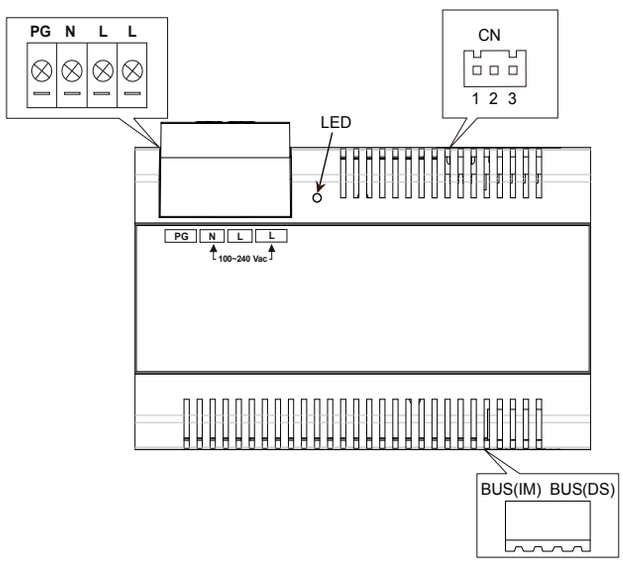
3: CDV-PC6A Parts and Functions

3.1: Description

The PC6A is a power/bus combiner unit, which is designed for the CDV 2Easy 2 wire system to supply power for the external station, internal monitor and other accessories on the bus. It can operate as a normal power/bus combiner or auxiliary PSU. The features are as follows:

- Universal AC input/full range
- Multi protection: short circuit, overload, over voltage
- Integrated with CDV-DPS (power separator)
- Support up to 4 to 8 monitors (dependent on models)
- DIN Rail Mounting

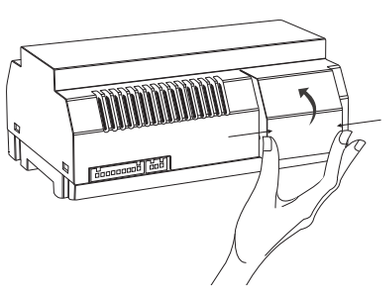
3.2: Terminal Descriptions

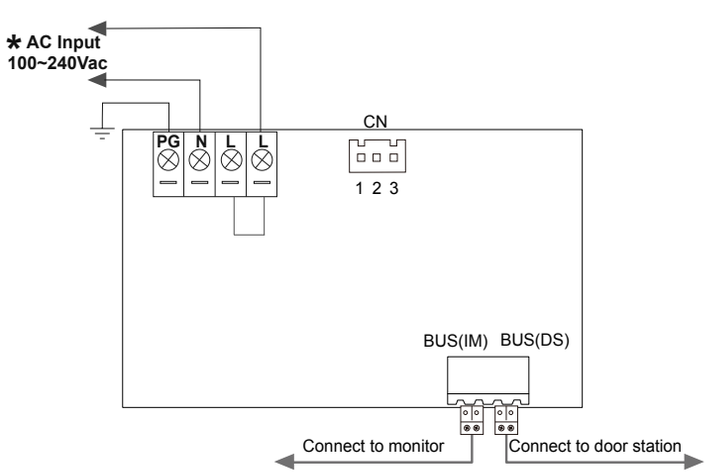


PG:	Earth ground terminal.
N:	AC input terminal.
L:	AC input terminal.
LED:	Power indicator, on when power connected.
CN:	Bus control terminal.
BUS(IM):	Indoor monitor connection terminal.
BUS(DS):	Door station connection terminal.

Open the AC cover:
1. Push the cover base towards the centre with your fingers;

2. Lift up and pull out the cover.
After connecting the AC cable, it is advised to replace the cover.





Note:
1. The AC cable is not included in the package, it must comply to the specific requirements of country where installed.

2. Pins 1&2 should be short-circuited with a C3-3P link (included in the package), if the unit operates as a standard power combiner. If operating as an auxiliary power combiner, the link should be removed.

4: CDV47 Parts and Functions

4.1: Terminal description

L1,L2: Bus line terminal.

SW+,SW-: Doorbell input connection port.

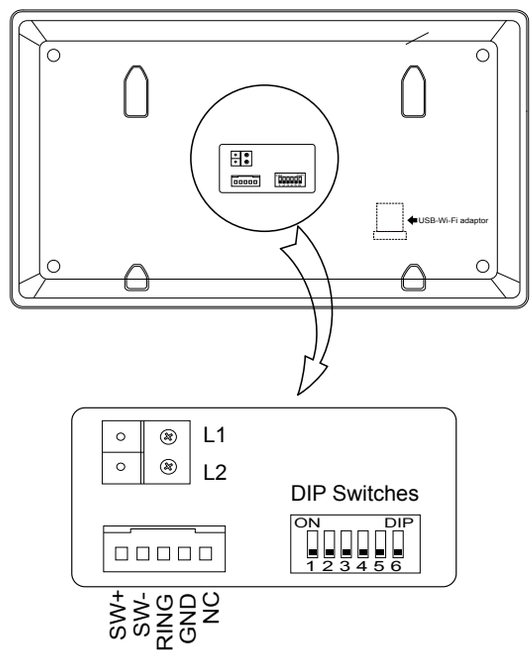
Ring,GND: Extension buzzer input connection port.

NC: Reserved.

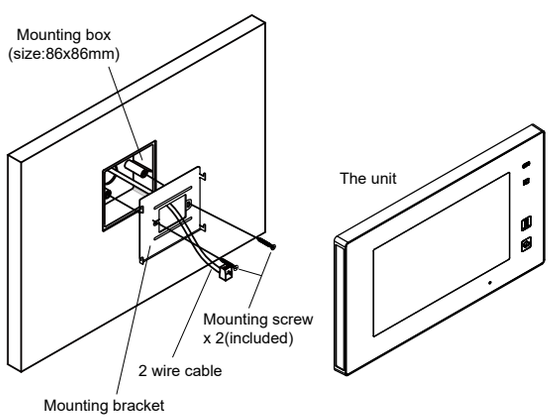
DIP switches Bit1~Bit5: Reserved.

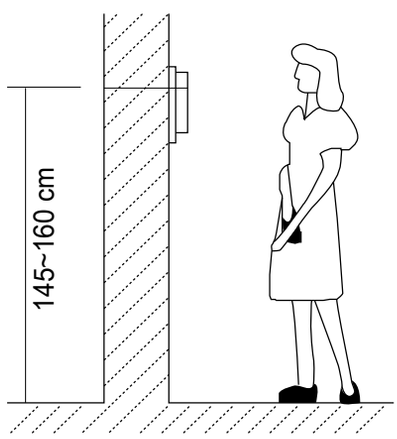
Bit6: Video impedance matching switch.

Set to ON if the monitor is at the end of the line or operates with CDV-DBC4, otherwise, set to OFF.



4.2: Mounting





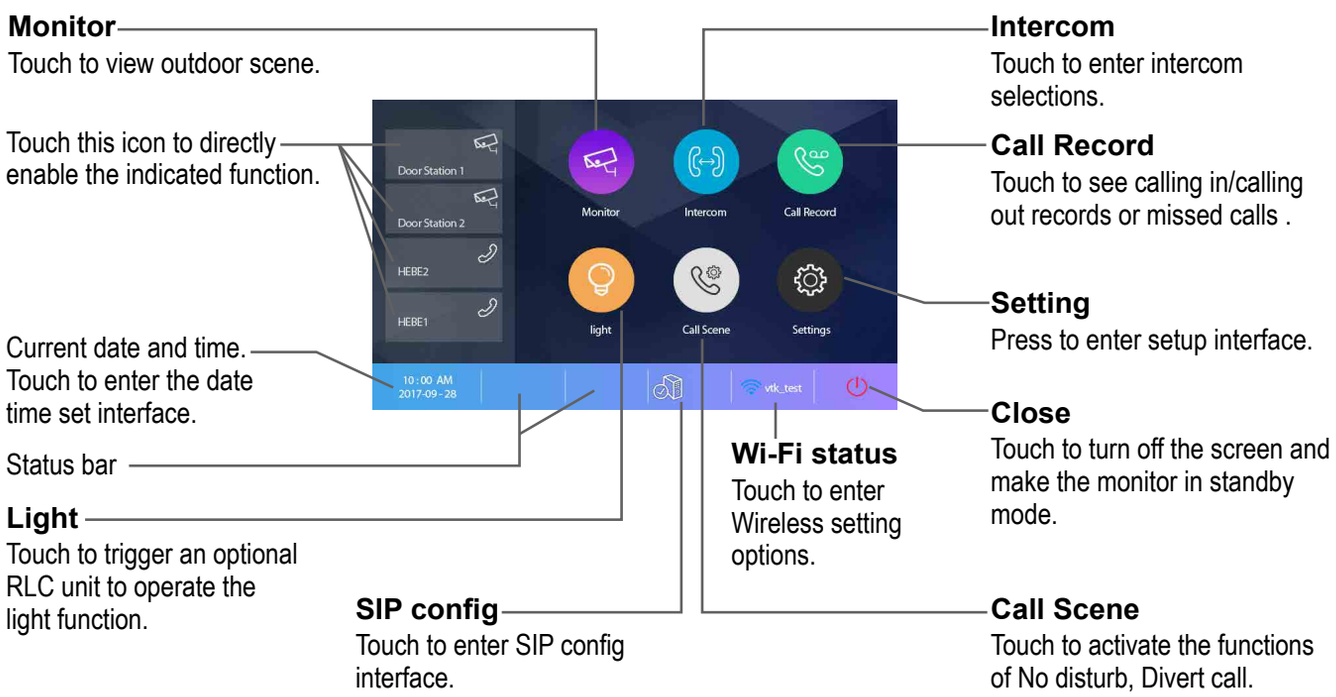
The installation height is suggested to 145~160cm.

1. Use screws to fasten the mounting bracket to the wall with a standard single gang flush light switch back box.
2. Connect the 2 wire cables to the unit.
3. Mount the unit to the mounting bracket, make sure the unit is securely attached to the mounting bracket.

4.3: Main Menu

The Main menu is your starting point for using all the applications on your monitor.

Touch **Unlock** button, or touch anywhere of the screen on monitor in standby mode, the Main menu will appear as follow:



Function status

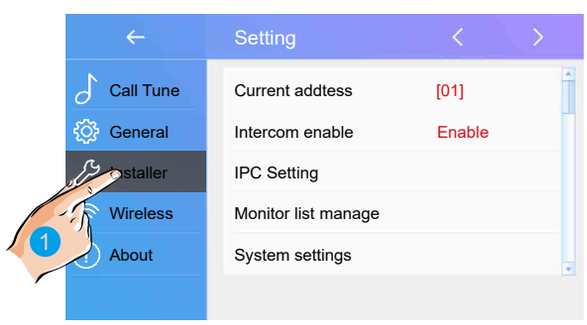
Icon	Meaning	Description
	Missed call	Displayed when there is missed call Touch to review the missed call in shortcut.
	No disturb	Displayed when the function activated Touch to enter Call Scene interface in shortcut.
	Call transfer	
	SIP server connection active and configured	Touch to enter SIP server information interface in shortcut.
	SIP server connection disabled	
	SIP server connection active and not connected	

Icon	Meaning	Description
	Wi-Fi connection active and not connected	Touch to enter Wi-Fi setting interface in shortcut.
	Wi-Fi connection disabled	
	Wi-Fi connection active and configured	

4.4: Installer Settings

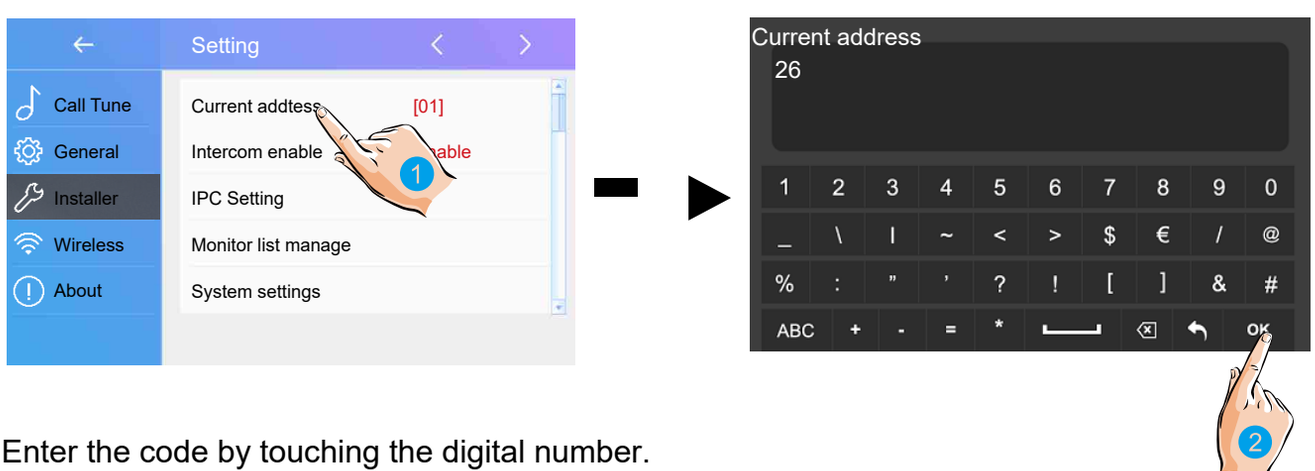
This section contains the device address setting and system settings.

1. Touch to enter installer setting interface.



4.5: Users code setting

Touch to set the user code for each monitor.

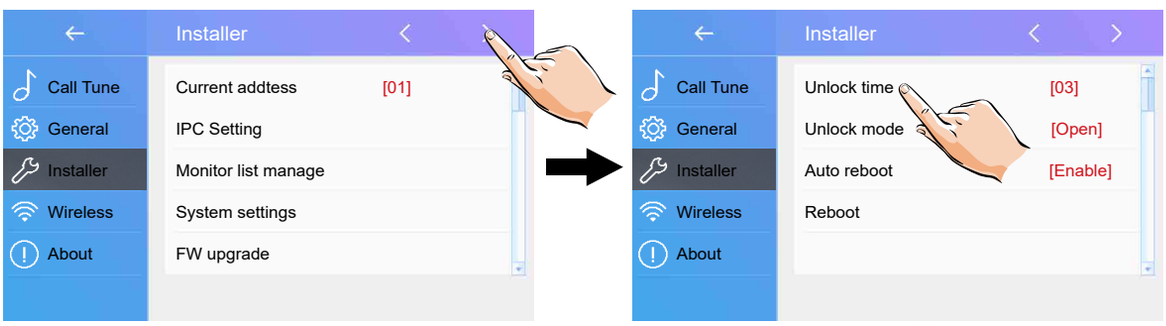


1. Enter the code by touching the digital number.
2. Touch "OK" to save the code setting, complete and exit.

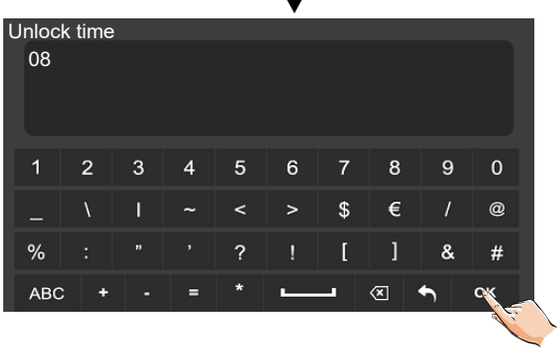
Notes:
1. If dip switches 1-5 are set the monitor will show the "Dip switch setting page"
2. A maximum of 32 ID's can be set; 0 to 31.

4.6: Unlock Time Setting

Setting the unlock time.

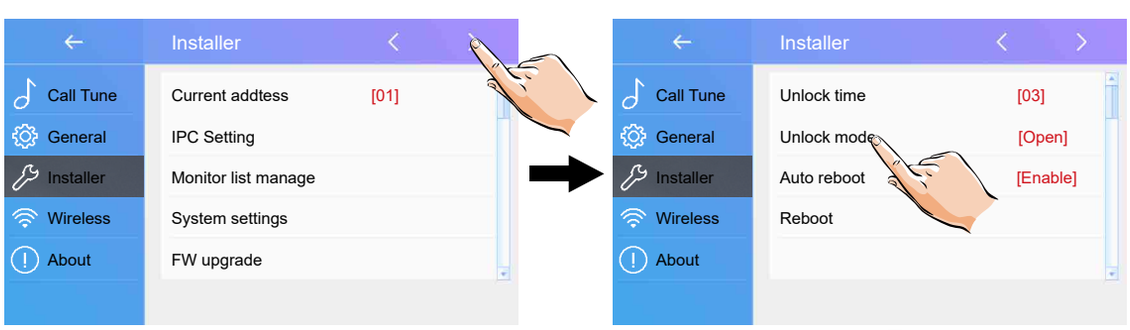


The unlock time can be changed by yourself at any time. It can be set from 01 to 99 seconds.

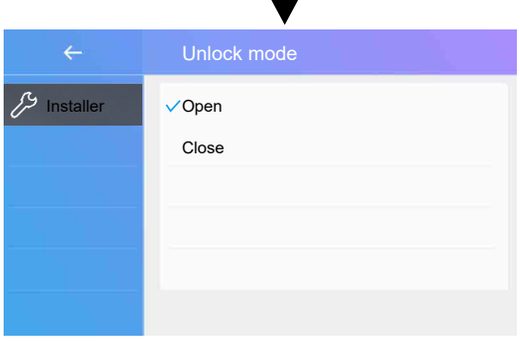


4.7: Unlock Mode Setting

Setting the unlock mode.

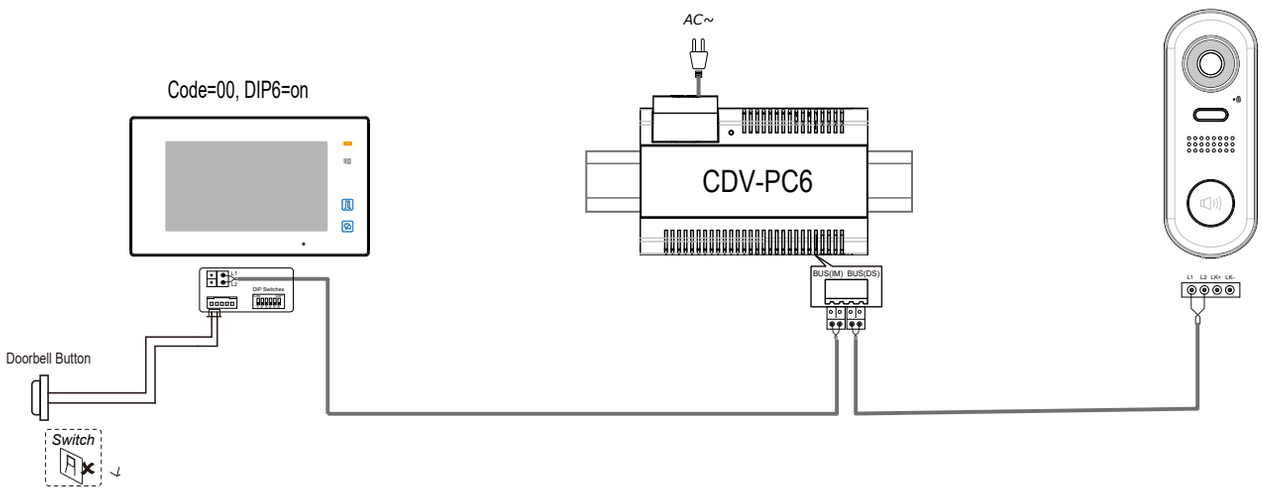


There are two unlock modes:
1.power-on- to-unlock type = Open
2.power-off-to-unlock = Close.

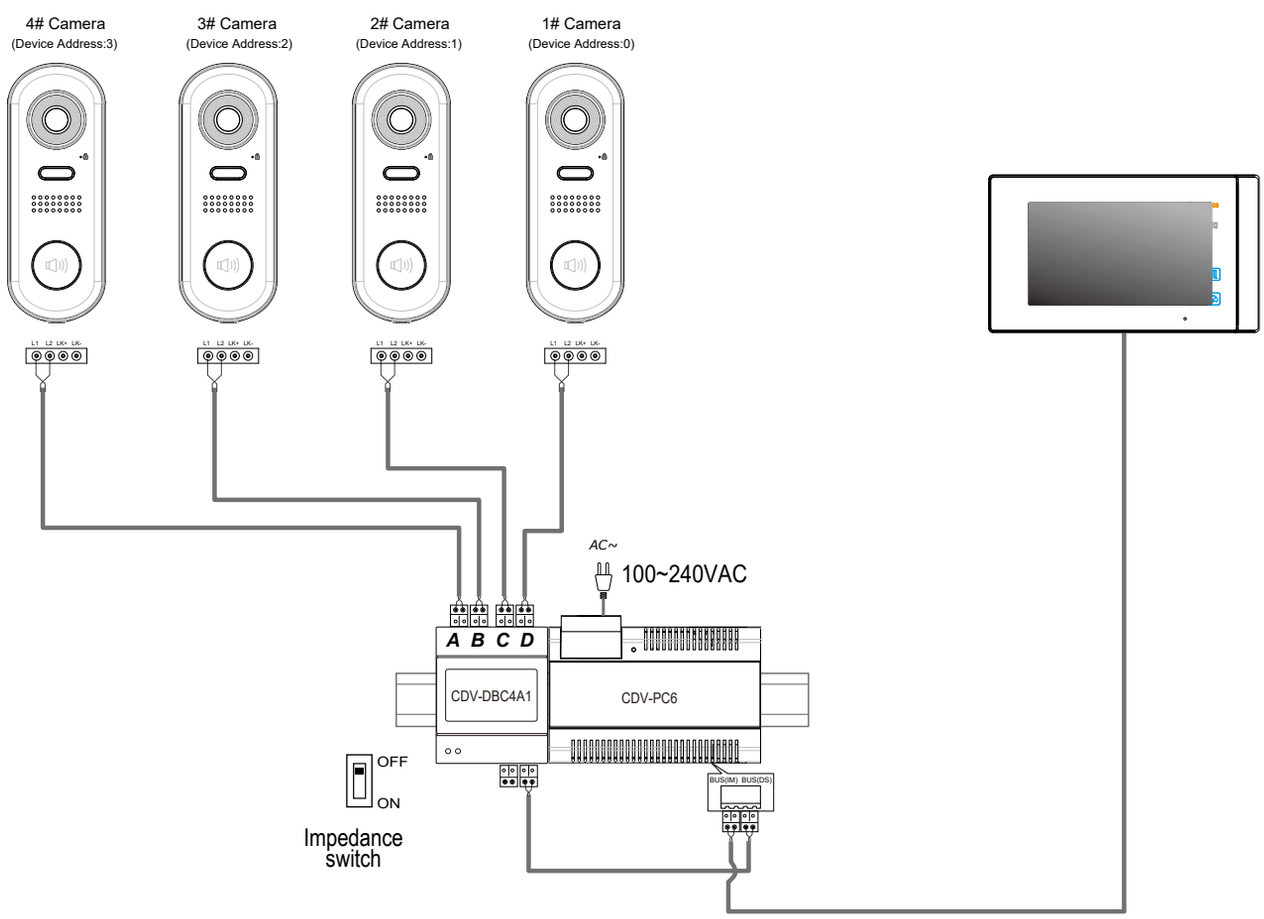


5: System Wiring and Connections

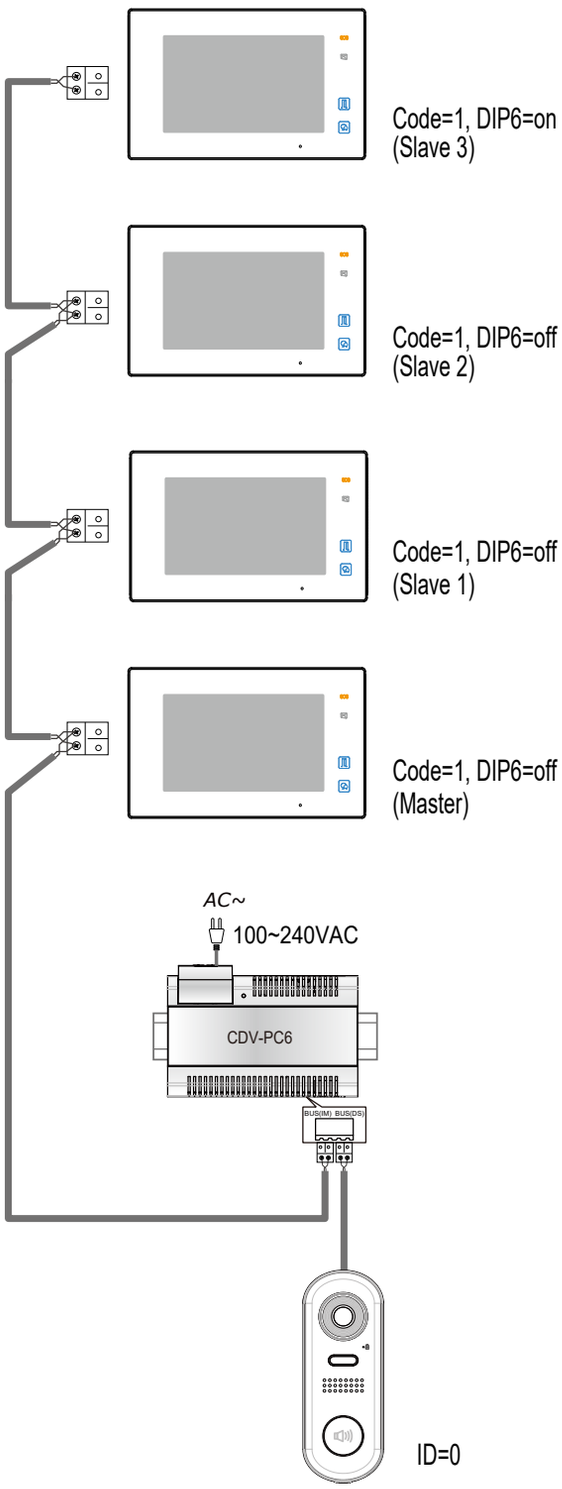
5.1: Basic Connection



5.2: Multi Door Stations Connection

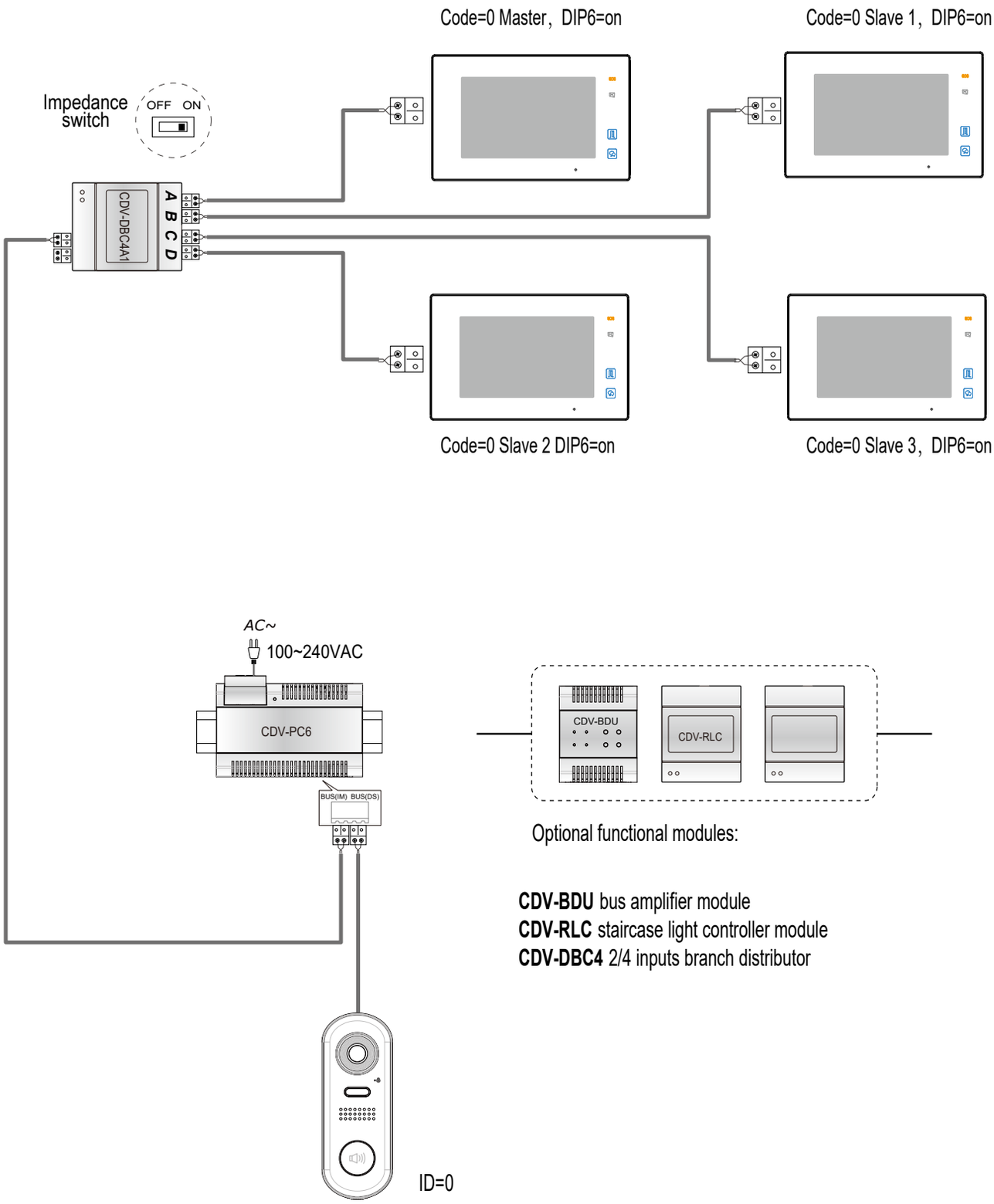


5.3: Basic IN-OUT Wiring in Standard Mode



- The door station is compatible with other monitors within the 2Easy range.
- Please set the door station into group calling mode if there are more than 4 monitors in villa (Refer to Page 8).
- For the last monitor connected to the system, DIP6 should be set to **ON**.

5.4: Star Topology Wiring With CDV-DBC4A1 in Standard Mode



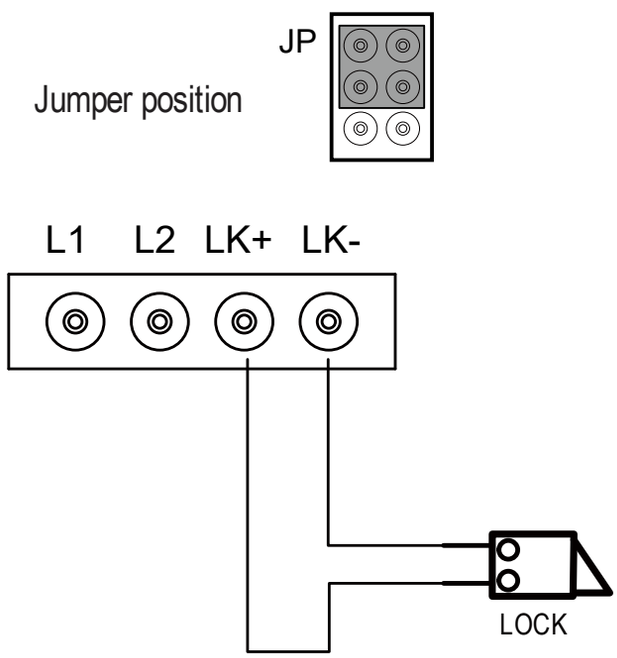
- The system can be extended by up to 3 slave monitors for each monitor. It is recommended to use a distributor CDV-DBC4 for the extension.

5.5: Electric Lock Connection

Door Lock Controlled with Internal Power

Note:

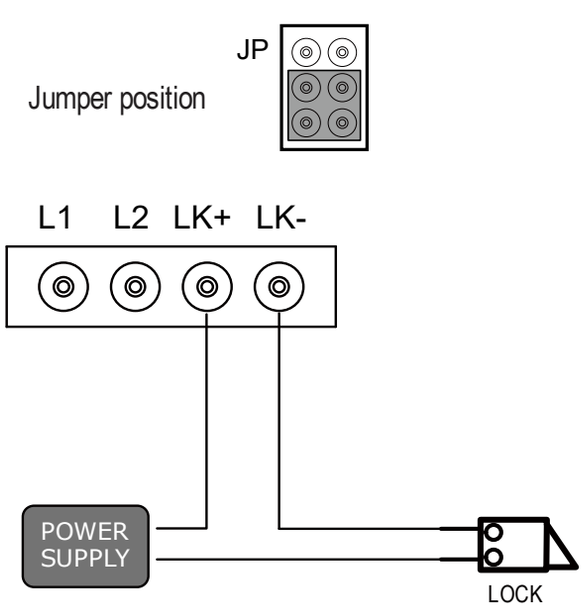
1. This mode only supports strike type locks.
2. Strike type locks of Power-on-to-unlock (fail secure) type should be used.
3. The door lock is limited to 12V, and holding current must be less than 250mA.
4. The **Unlock Mode** Parameter of the Monitor must be set to 0 (default).



Door Lock Controlled with Dry Contact

Note:

1. An external power supply must be used according to the lock power requirements.
2. The internal relay contact is restricted to AC or DC Max 24V/1A.
3. Setup the Unlock Mode of Monitor for different lock types.
   - Power-on-to-unlock (Fail Secure) type: Unlock Mode=0 (default)
   - Power-off-to-unlock (fail safe) type: Unlock Mode=1



6: Specifications:

6.1: CDV91S Specifications

- Power Supply : DC 24V
- Power Consumption: Standby 14mA; Working status 122mA
- Camera: Color CMOS, 2.0 Mega pixel
  1/2.7'' fisheye camera,170^{0} wide angle
- Lock Power supply: 12Vdc, 250mA(Internal power)
- Mounting: Surface mounting
- Working temperature: -15^{o}C to +55^{o}C
- Dimension: 160(H)×60(W)×31.5(D)mm

6.2: CDV-PC6 Specifications

- Input Voltage: 100~240Vac
- Input Frequency: 50~60Hz Rated
- Output Voltage: DC 28V+2VRated
- Output Current: 1.5A
- Working Temperature -10^{o}C to +50^{o}C
- Input Voltage: Max 230vac, 2A
- Dimension: 140 x 90 x 60mm

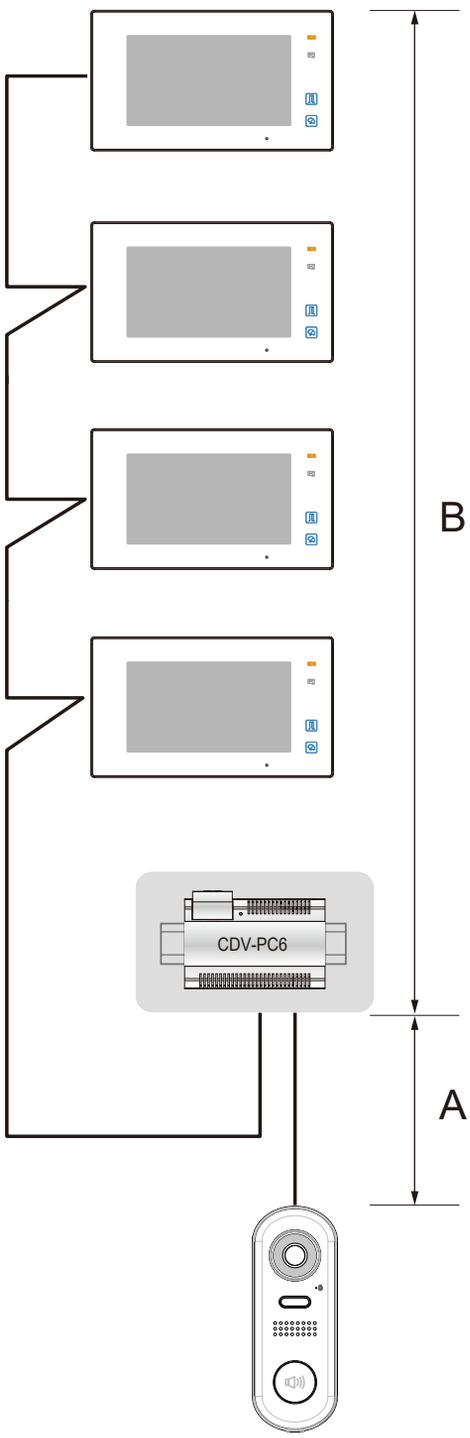
6.3: CDV-47DX Specifications

- Power supply: DC 20~28V
- Power consumption: Standby 0.3W; Working 7W
- Monitor screen: 7 Inch digital color TFT
- Display Resolutions: 800*3(R, G, B) x 480 pixels
- Video signal: 1Vp-p, 75Ω, CCIR standard
- Wiring: 2 wires, non-polarity
- Dimension: 132(H)×226(W)×18(D)mm

7: System Wiring and Connections

The maximum distance of the wiring is limited in the 2Easy system. Using different cables may also affect the maximum distance which the system can reach.

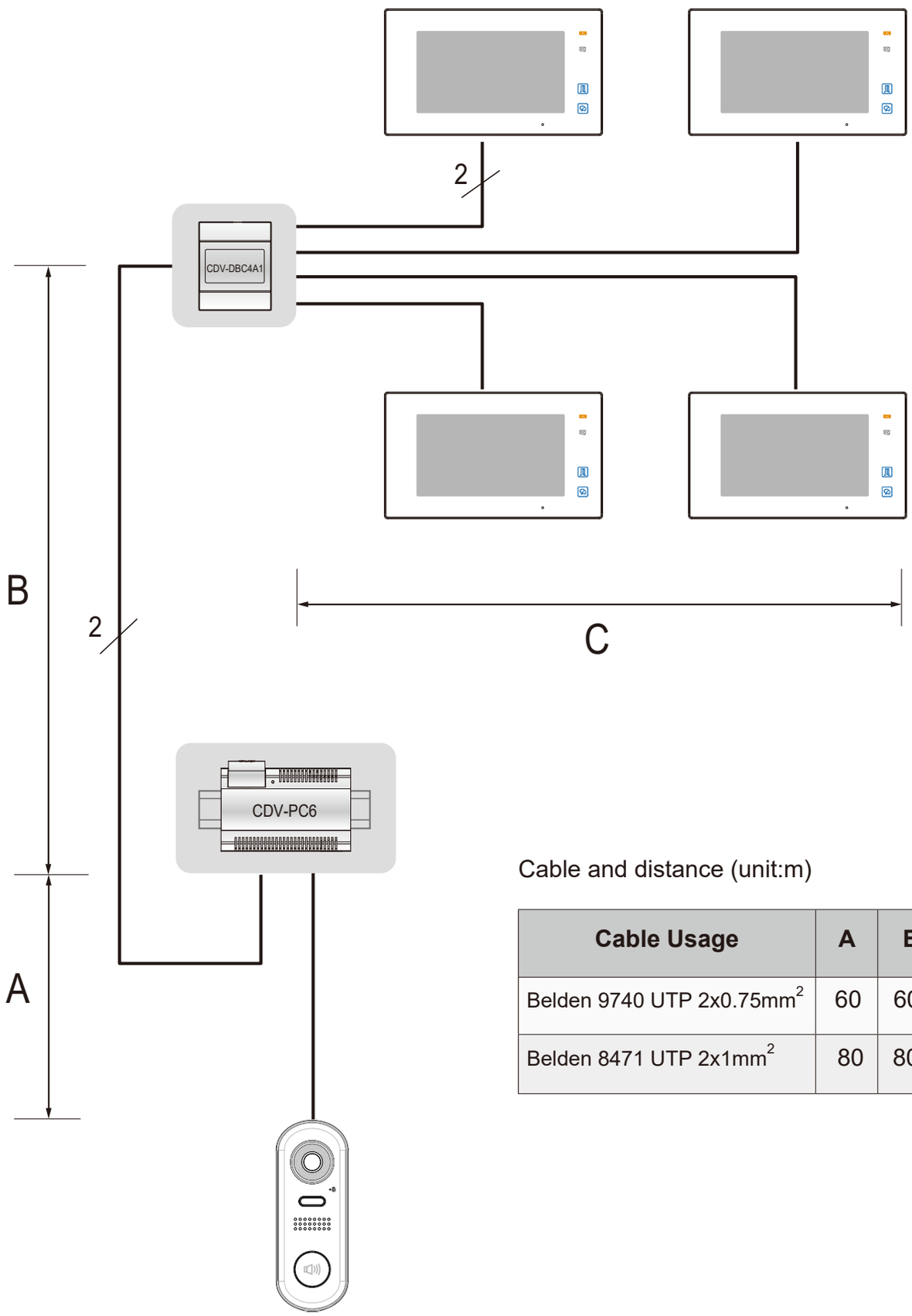
Basic IN-OUT Wiring Mode



Cable and distance (unit:m)

Cable Usage	A	B ⩽2 IM	B ⩽16 IM
Belden 9470 UTP 2x0.75mm^2	60	100	40
Belden 8471 UTP 2x1mm^2	80	120	60

Star Topology Wiring Mode With CDV-DBC4



Cable and distance (unit:m)

Cable Usage	A	B	C
Belden 9740 UTP 2x0.75mm^2	60	60	30
Belden 8471 UTP 2x1mm^2	80	80	40