



CDVI

Security to Access



2EASY



CDV-91S

2EASY 2-wire 1-button Video Door Station

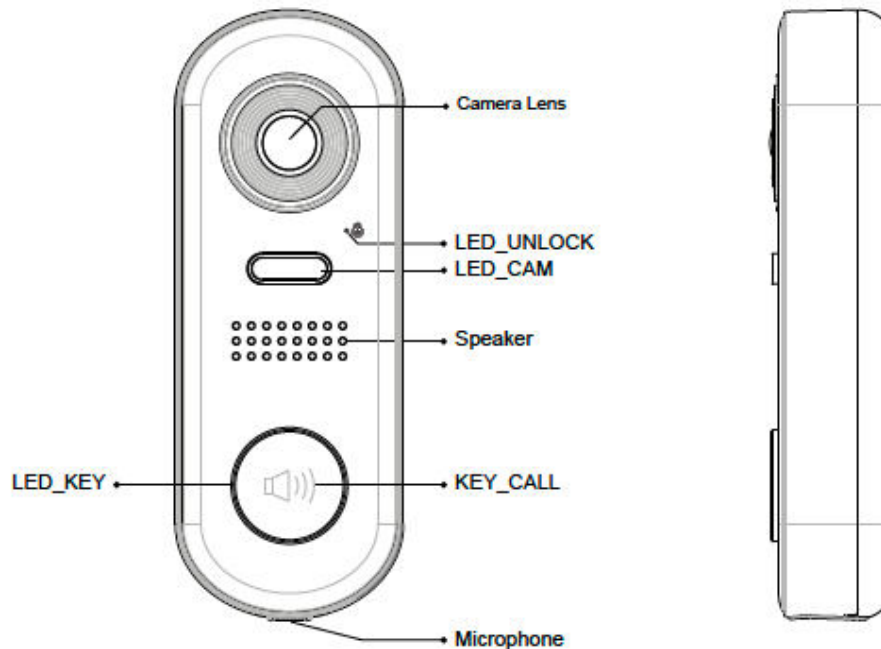


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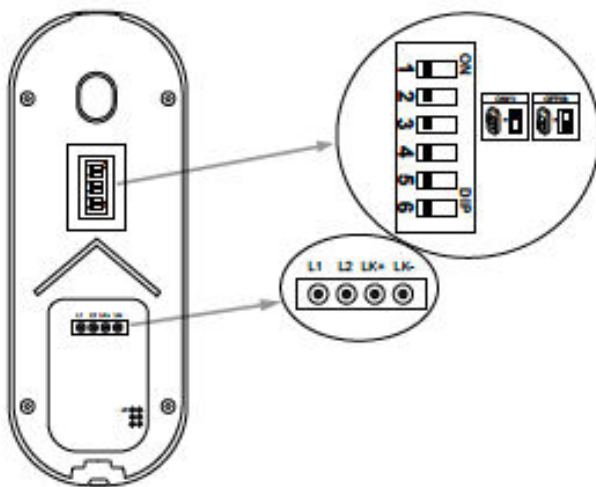
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2] PARTS AND FUNCTIONS



3] TERMINAL DESCRIPTIONS

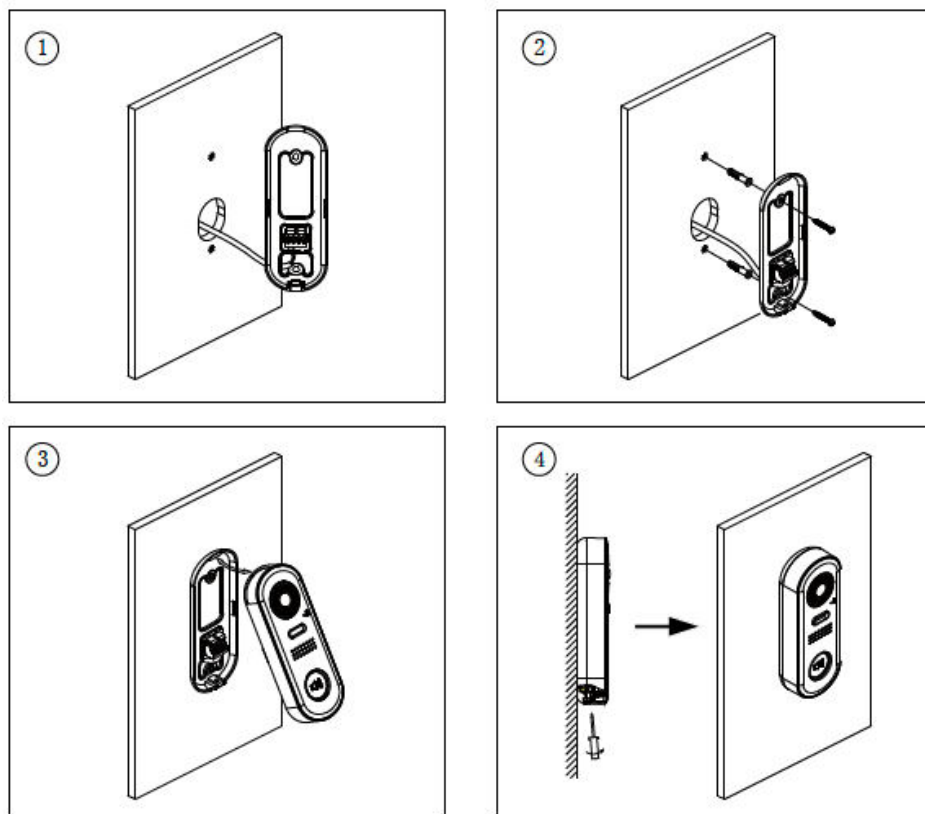


DIP:

- 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 the lock
- JP: Lock Control Jumper

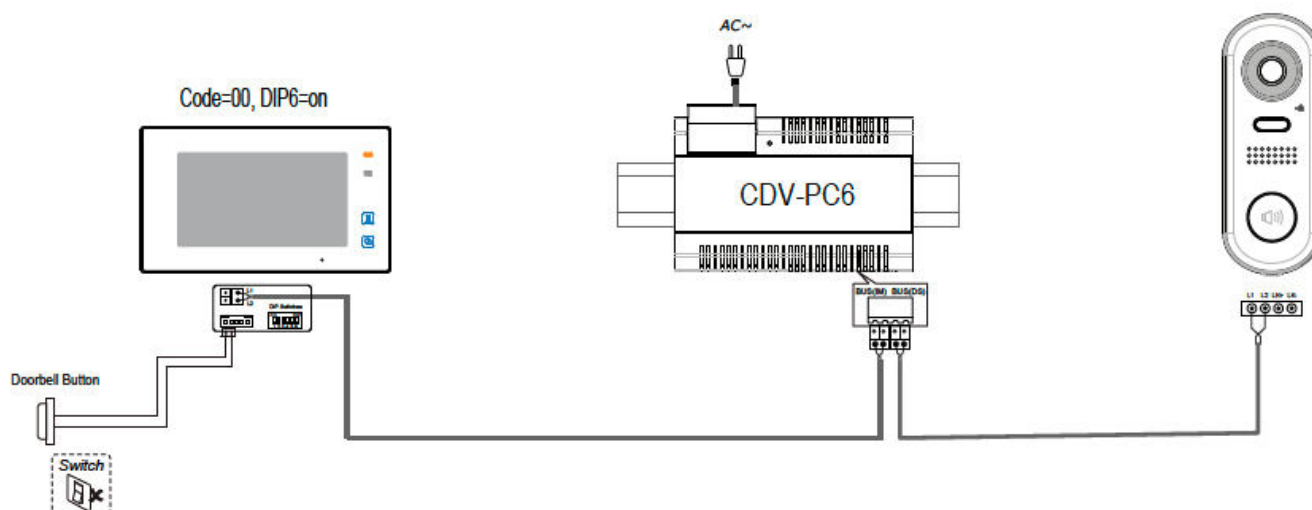
4] INSTALLATION



1. the recommended installation height for the door station is 145-160cm
2. Use screws to fix the back panel to the wall and connect the cables correctly.
3. Attach the front panel to the back panel, then use the screw to secure the panel.

5] SYSTEM WIRING AND CONNECTIONS

Single door station system wiring

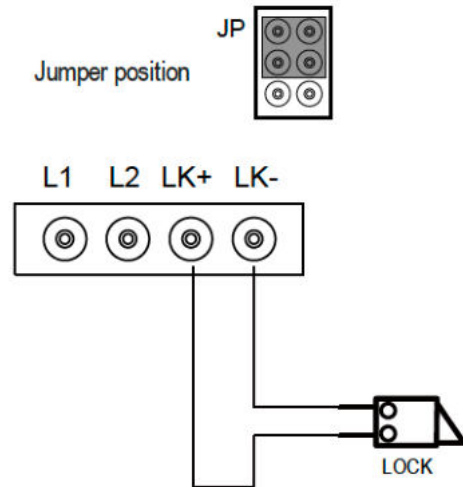


Electric lock connections

Door lock controlled with internal power

Notes:

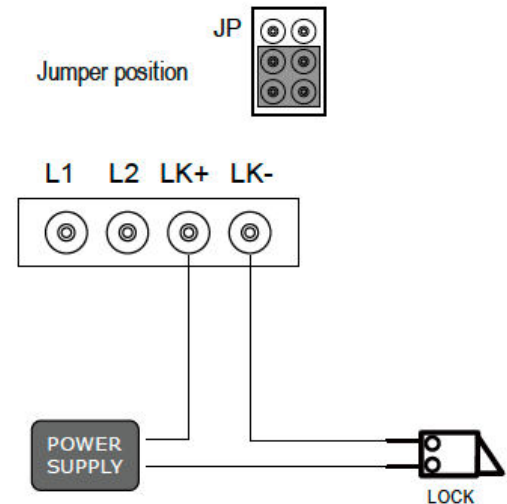
1. This mode only supports Fail Secure (power on to unlock) Strikes
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from Exit Button (EB).
4. The monitor's **Unlock Mode** parameter must be set to 0 (by default).



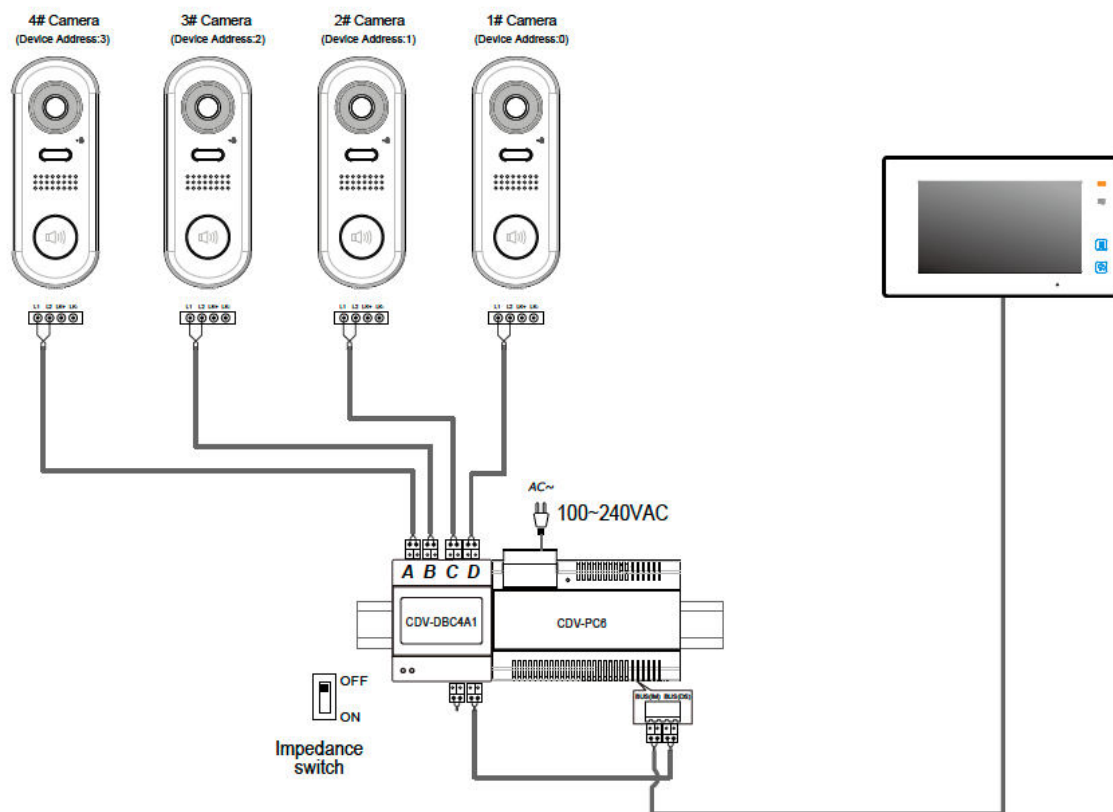
Door lock controlled with dry contact

Notes:

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. Remove jumper before connecting.
4. Setup the monitor's **Unlock Mode** for different lock types.
 - Power-on-to-unlock (fail secure): Unlock Mode = 0 (default)
 - Power-off-to-unlock (fail safe): Unlock Mode = 1

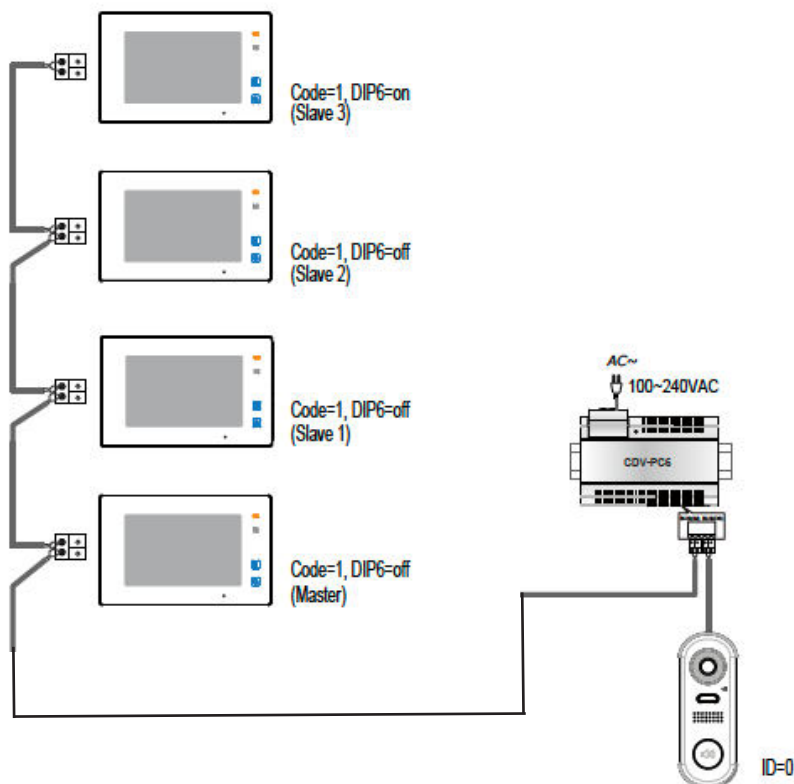


Multi door stations system wiring (4 max*)



Multidoor monitors system wiring (4 max*)

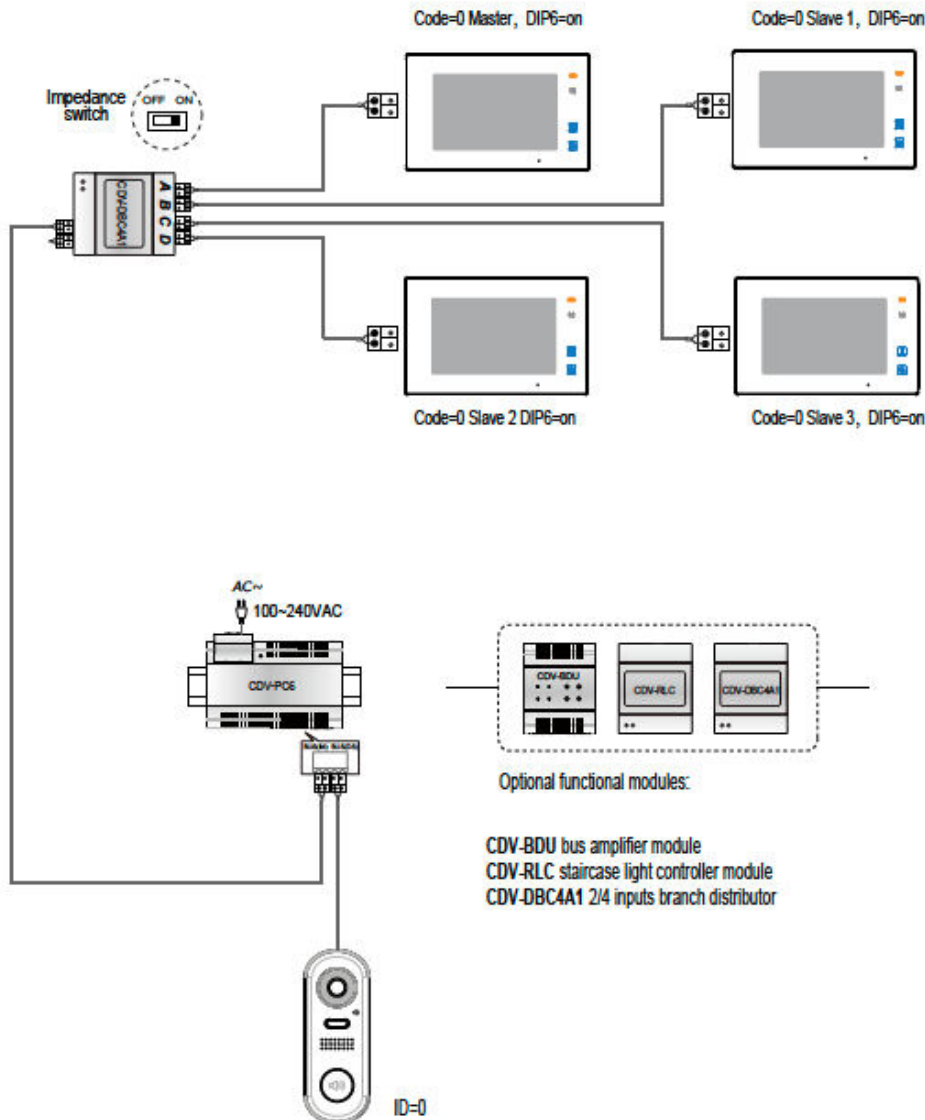
Standard IN-OUT wiring



- The door station is compatible with the 2EASY CDV-47 & CDV-47DX monitors from CDVI.

- For the last monitor connected to the system, DIP6 should be set to ON.

Star topology wiring with CDV-DBC4A1



The system can be extended by up to 3 slave monitors for each monitor. We recommend you use the CDVI distributor CDV-DBC4A for the extension.

***IMPORTANT: Subject to cable type. Please see cable distance chart on [pages 10-11](#).** For further help, call CDVI Technical Support on +44 (0) 1628 531300 or visit the [CDVI Support Centre](#).

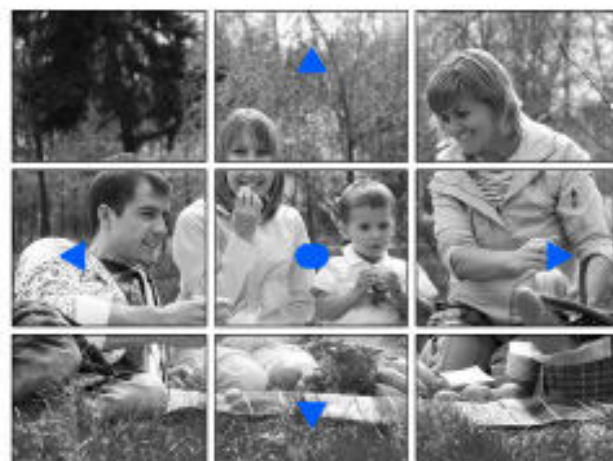
6] PANVIEW & ZOOM

Note: This function requires a monitor with fish-eye function to operate. (CDV-47 or CDV-47DX)

The display of the image of the fish-eye door station can be adjusted when answering a call by using the 5-direction pad button.

When a door station image is displayed, move to the desired position by touching ▲ ▼ ● ◀ ▶ on the screen to view the image in zoom mode.

Note: The edge of pantilt image will not be displayed.

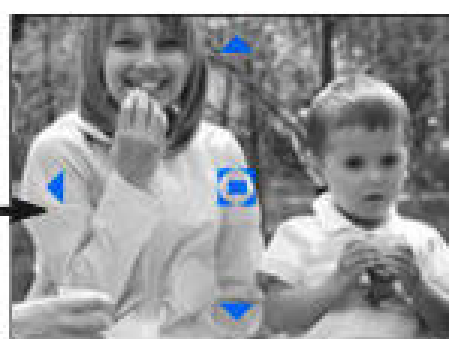


Screen of monitor

You can zoom in or zoom out to identify anyone at the entrance. Touch the ● icon to zoom to the center position.



Pressing any button of the 5-direction pad will enlarge the screen to full screen mode.



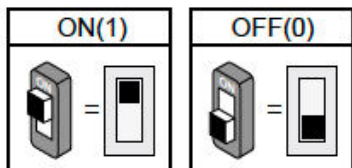
Press ◻ to return to the full screen mode
Press ◀ ▶ ▲ ▼ to navigate and see individuals up close.

7] LED STATUS

Refer to the table below, to understand the status of the monitor and its corresponding LED signal.

	LED_UNLOCK	LED_CAM	LED_KEY
Monitoring	-	Auto (by default)	ON (by default)
Calling	-	Auto (by default)	Flashing quickly
Talking	-	Auto (by default)	Flashing slowly
Unlock	ON	-	-
Upgrade	ON	-	-
Setup/ Initialisation	ON	-	-

8] SETTINGS



2 bits on the DIP switches can be configured. The switches can be modified either before or after installation.

Door station address settings

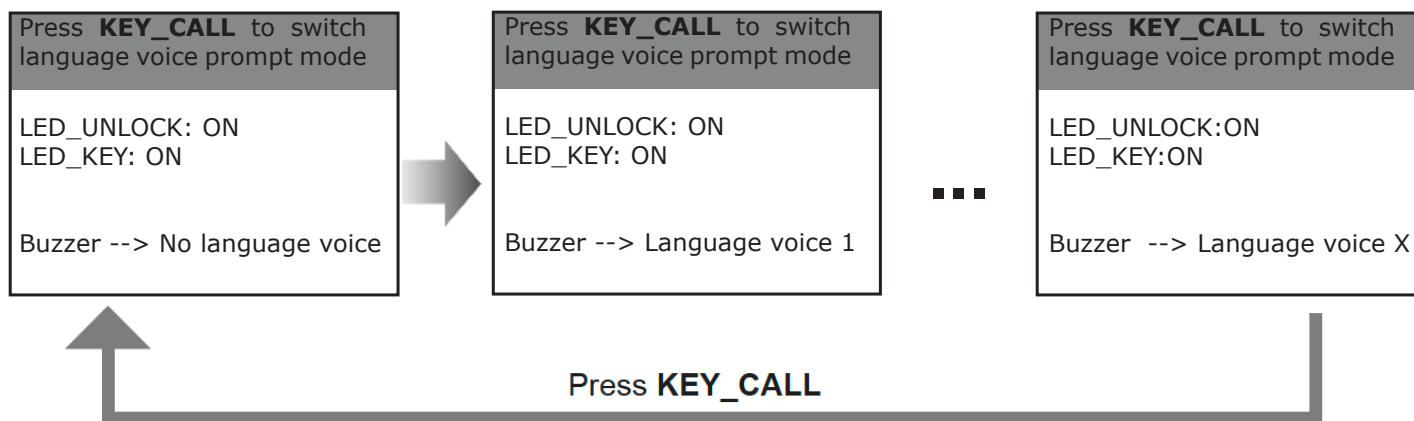
Bit State	Description
	Default setting, ID = 0(00), set to the first Door Station.
	ID = 1(10), set to the second Door Station.
	ID = 2(01), set to the third Door Station.
	ID = 3(11), set to the fourth Door Station.

Unlock time settings

Bit State	Description
	Default setting, unlock time is Xs
	Set the unlock time to 3s
	Set the unlock time to 5s
	Set the unlock time to 10s

Switch language voice

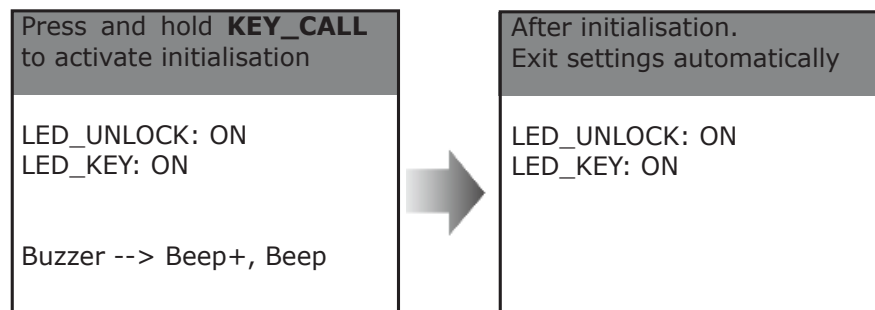
Set bit 6 to ON or connect power and within 10 secs, press and hold KEY_CALL to enter the settings mode.



Note: If no operations are completed for 10 seconds, the panel will exit the settings mode automatically.

Initialisation

Set bit 6 to ON or connect power and within 10 secs, press and hold KEY_CALL to enter the settings mode.

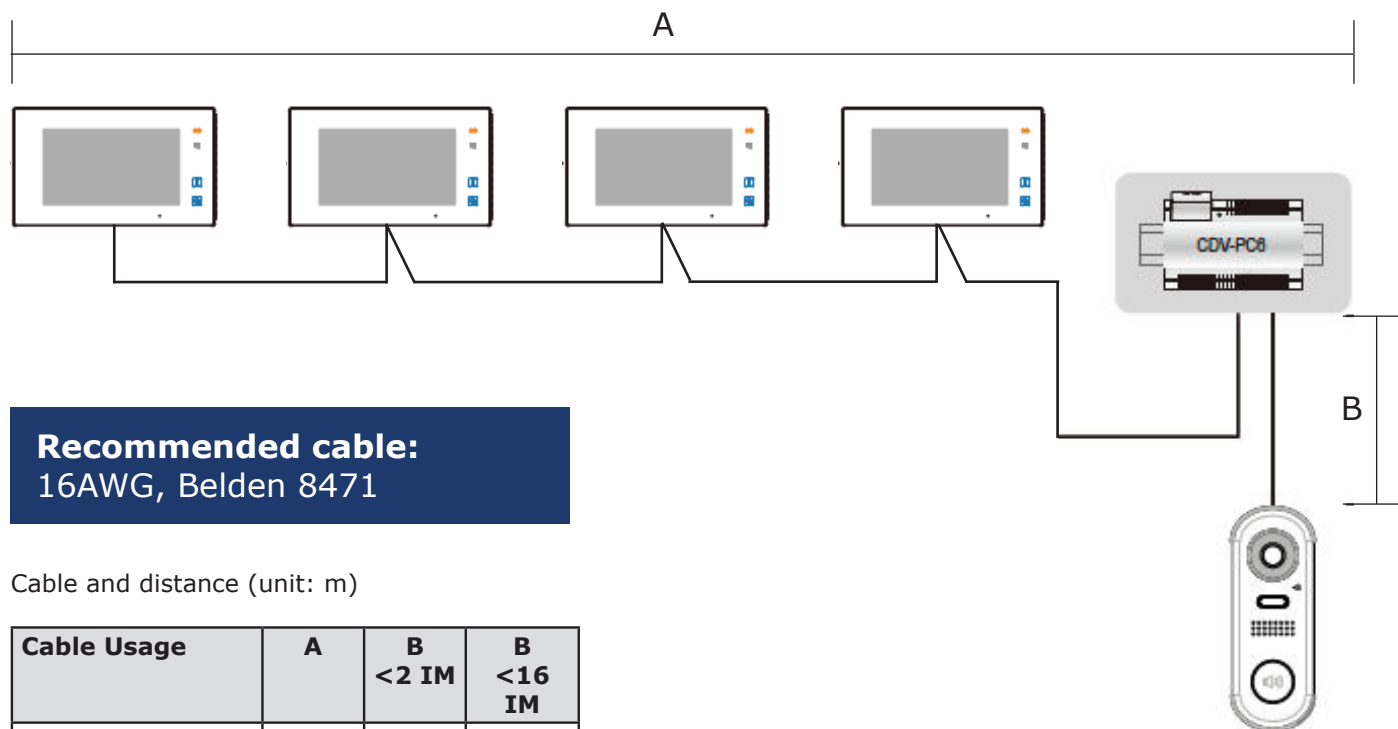


Note: If no operations are completed for 10 seconds, the panel will exit the settings mode automatically.

9] CABLE REQUIREMENTS

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.

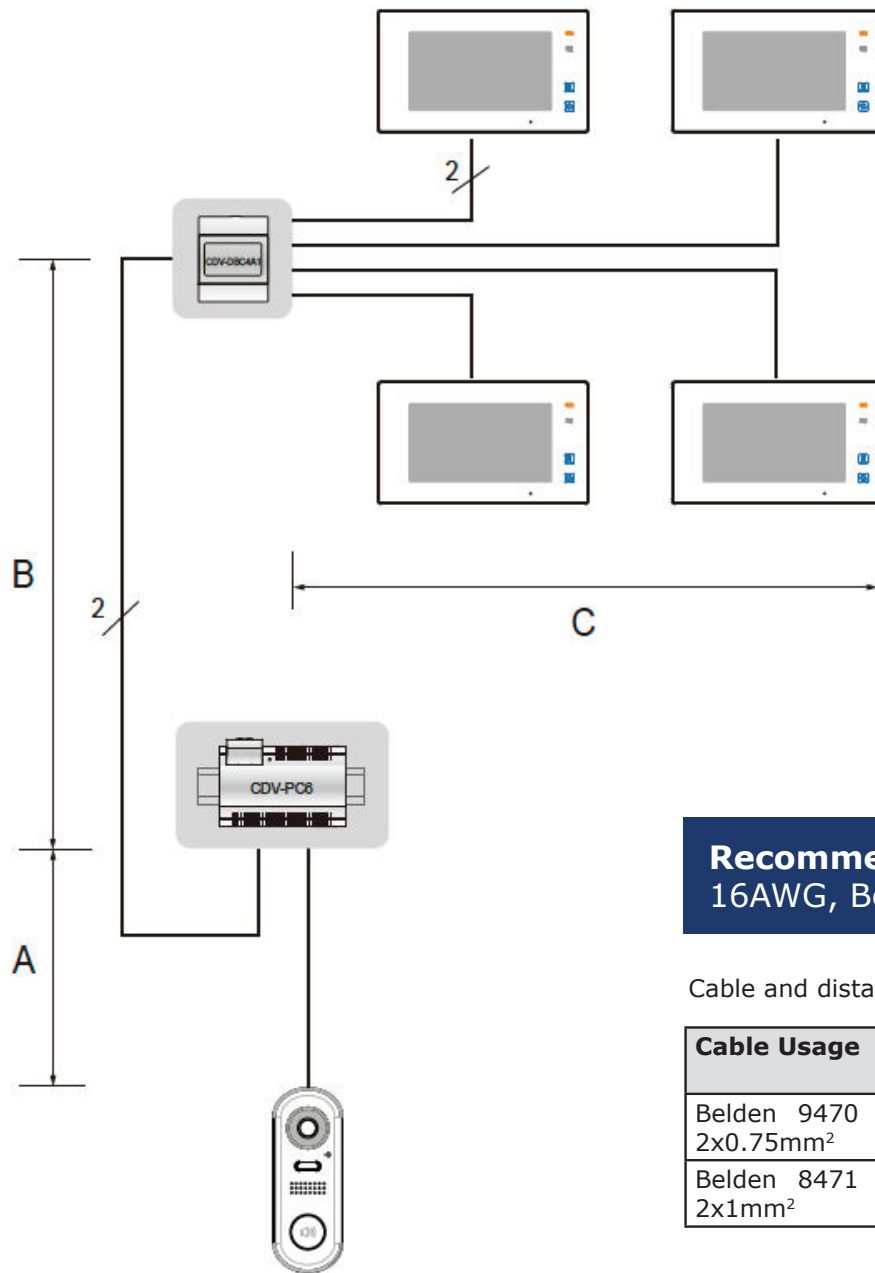
Standard IN-OUT wiring



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 with CDV-DBC4A1



Recommended cable:
16AWG, Belden 8471

Cable and distance (unit: m)

Cable Usage	A	B	C
Belden 9470 UTP 2x0.75mm ²	60	60	30
Belden 8471 UTP 2x1mm ²	80	80	40

10] PRODUCT SPECIFICATIONS

Feature	Description
Power Supply	24 Vdc
Power Consumption	Standby: 14mA, Working: 122mA
Camera	Color CMOS, 2.0 Mega pixel 1/2.7" fisheye camera, 1700 wide angle
Lock Power Supply	12 Vdc, 250mA (internal Power)
Operating Temperature	-15°C - +55°C
Dimensions	160(H) x 60(W) x 31.5(D) mm
IP Rating	IP44

11] PRECAUTIONS

- Please clean the unit with soft cotton cloth. Do not use wet wipes or cloth or chemical cleaning agent. If necessary, use a little pure water or diluted soapy water to clean the dust.
- The unit is weather resistant. However do not spray high pressure water on access control keypad directly. Excessive moisture may cause problems with the unit.
- You must use the the correct power adapter 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.

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