![CDVI — Security to Access logo]

2EASY

CDV-4791S-DXB, CDV-4791S-DXW

2EASY 2-wire, 1-way Kit Manual, Black or White Monitor

2 YEAR WARRANTY

CE

EN

1] CONTENTS

IMPORTANT

- This manual is limited in information. This manual gives basic installation requirements of the CDV-4791S-DS kit. For advanced features, see the device's full manuals on the CDVI UK website: www.cdvi.co.uk

- For WiFi setup of the kit, see the CDV-47DX manual.

2] PACKAGE CONTENTS

Door Station	Internal Monitor	Power/ Bus Combiner	145mm DIN Rail	Kit Manual
1	1	1	1	1

3] CDV-91S DOOR STATION - PARTS AND FUNCTIONS

Camera Lens
LED_UNLOCK
LED_CAM
Speaker
LED_KEY
KEY_CALL
Microphone

Terminal Description

L1 L2 LK+ LK-
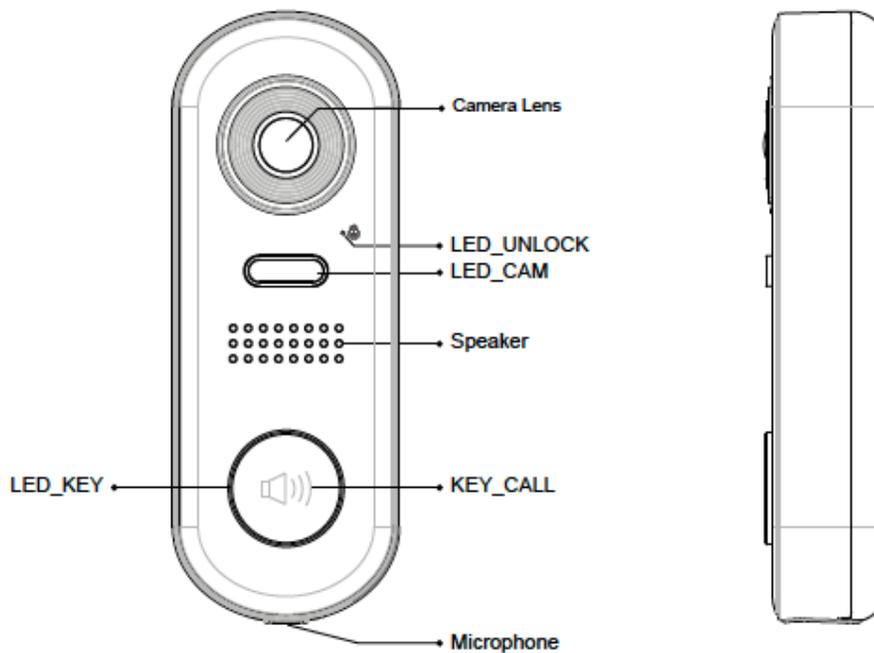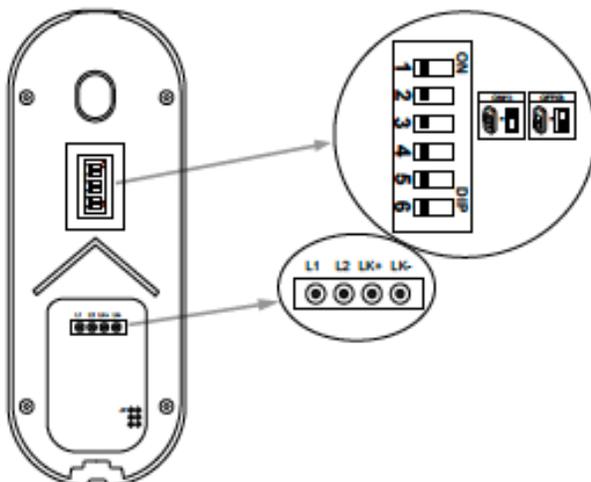
DIP:

- **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.

Terminal	Description
L1, L2	Connect to the Bus line, no polarity
LK+	Lock power (+) output
LK-	Lock power (-) ouput, connect to the power (-) inputs of the lock
JP	Lock Control Jumper

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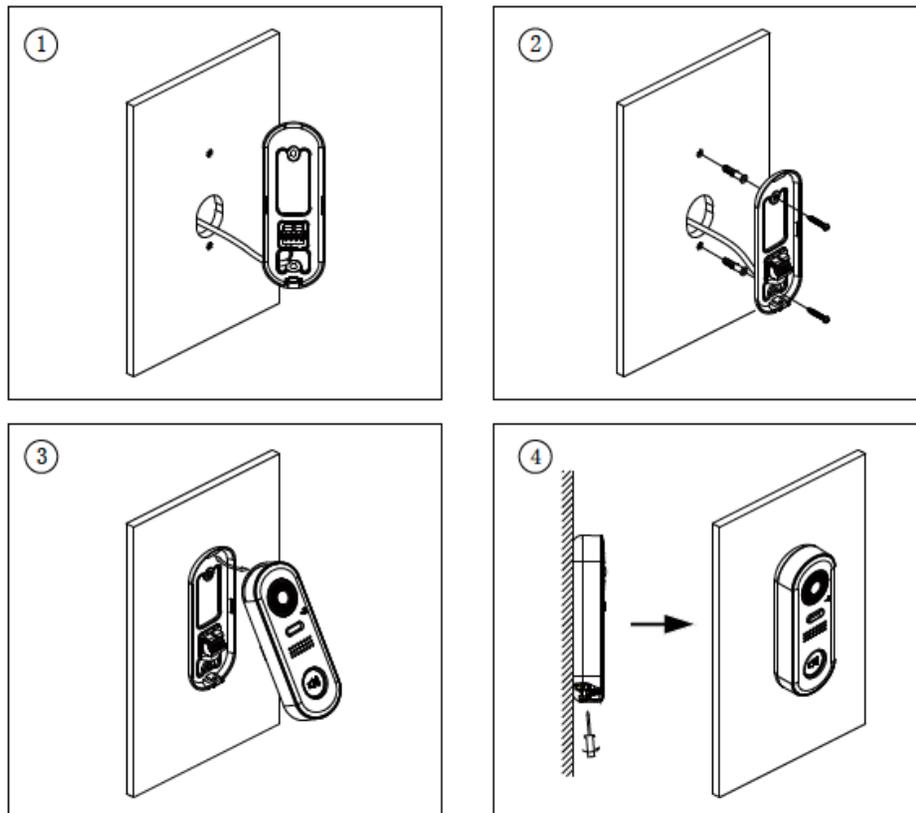
1. The recommended installation height for the door station is 145-160cm.
2. Use screws to fix the back panel to the wall and connect the cables correctly.
3. Attach the front panel to the back panel, then use the screw to secure the panel.

4] CDV-PC7 POWER COMBINER - PARTS AND FUNCTIONS

The CDV-PC7 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.

Note: See next page for details of connection as an end-of-line PSU.
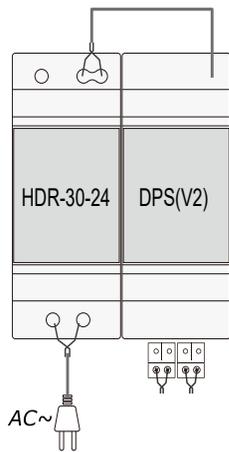
The features are as follows:

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

NOTE: If the CDV-PC7 is used as an end-of-line PSU, follow the steps below.

WARNING: TURN OFF THE MAINS INPUT BEFORE CONTINUING

1. Remove the CDV-PC7 from the DIN rail.	2. Unclick the base of the DPS side.	3. Remove the base.	4. Lift off the top and cut both ends of the resistor shown, remove the resistor.	5. Replace the top and base in reverse.

5] CDV-47DX MONITOR - PARTS AND FUNCTIONS

Terminal Description

Terminal	Description
L1, L2	Bus Line Terminal
SW+, SW-	Doorbell input connection port
Ring, GND	Extension buzzer input connection port
NC	Reserved
DIP Switched Bit1-Bit5 Bit6	Reserved Video impedance matching switch Set to ON if the monitor is at the end of the line or operates with CDV-DBC4A1, otherwise set to off

Installation

Mounting box
(size:86x86mm)

The unit

Mounting screw
x 2(included)

2 wire cable
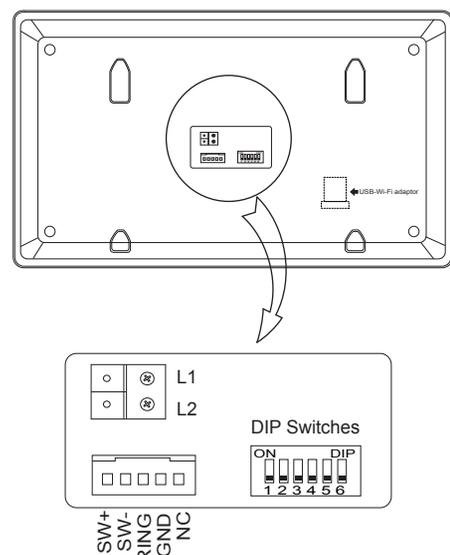
Mounting bracket
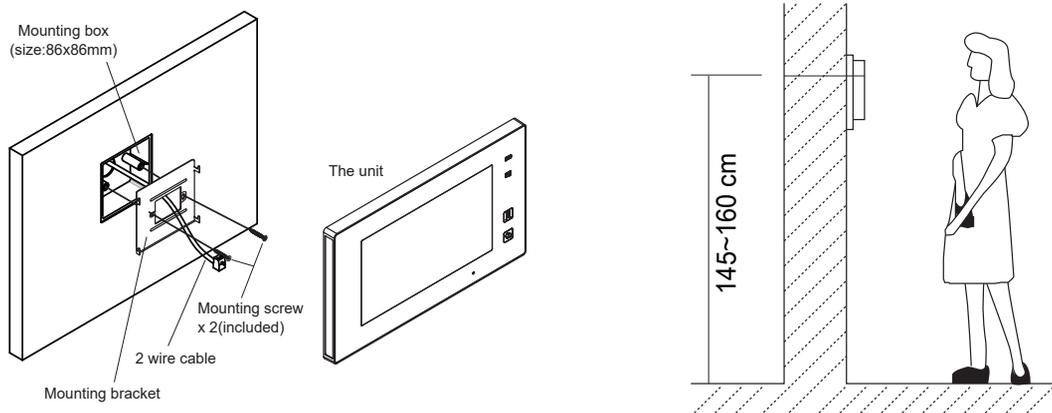
145~160 cm

The installation height is suggested as 145~160cm.

1. Use screws to fasten the mounting bracket to the wall with standard single gang flush lightswitch box.
2. Connect the two wire cables to the unit.
3. Mount the unit to the mounting bracket, making sure the unit is securely attached to the mounting bracket.

Main Menu

The Main Menu is your starting point for using all the applications on your monitor. Touch the **Unlock** button, or touch anywhere on the screen when in standby mode - the Main Menu will appear as follows:

Monitor
Touch to view outdoor scene.

Touch this icon to immediately enable the indicated function.

Current date and time. Touch to enter the date time set interface.

Status bar

Light
Touch to trigger an optional RLC unit to operate the light function.

SIP config
Touch to enter SIP config interface.

Door Station 1

Door Station 2

HEBE2

HEBE1

Monitor

Intercom

Call Record

light

Call Scene

Settings

10:00 AM
2017-09-28

vtk_test

Intercom
Touch to enter intercom selections.

Call Record
Touch to see calling in/ calling out records or missed calls.

Settings
Press to enter setup interface.

Close
Touch to turn off the screen and put the monitor in standby mode.

Wi-Fi status
Touch to enter Wireless setting options.

Call Scene
Touch to activate the Do Not Disturb and Divert Call functions.

NB	Item	Description
☇	Missed call	Displays when there is a missed call. Touch to review the missed call in shortcut.
🔇	Do not disturb	Displays when the function is 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	
📶	WiFi connection active and not connected	Touch to enter the Wi-Fi settings interface in shortcut.
📶	WiFi connection disabled	
📶	WiFi connection active and configured	

Installer Settings

Entering the Interface

The Installer Settings page contain the device address setting and system settings.

1. Touch to enter the Settings interface.

2. Touch to enter the installer settings interface.

User Code Settings

Touch to set the user code for each monitor.
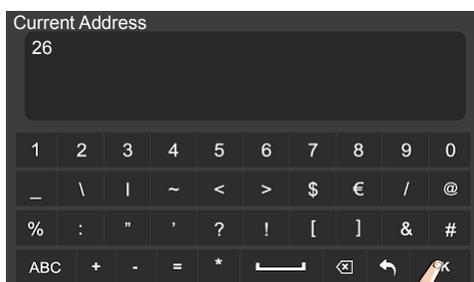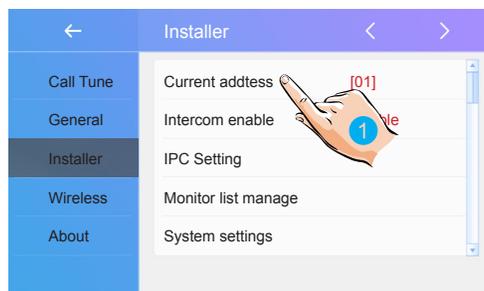
1. Enter the code by typing in the number.

2. Touch "OK" to save the code setting, complete and exit.

Note:
If dip switches 1-5 are set the monitor will show the "Dip switch setting" page.
A total of 32 numbers can be set, from 0-31.

Unlock Time Setting

Setting the unlock time.
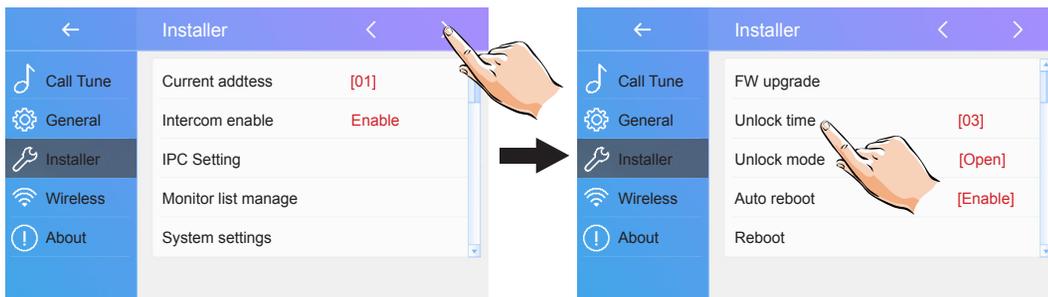
You can change the unlock time at any time. It can be set from 1 to 99 seconds.
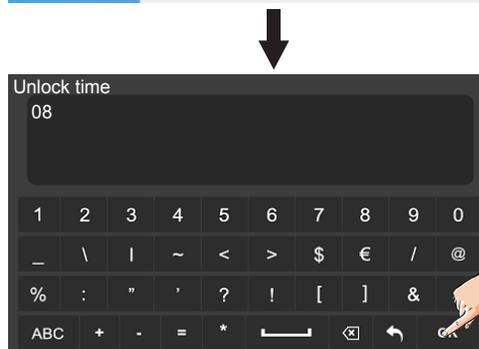
Unlock Mode Setting

Setting the unlock mode.
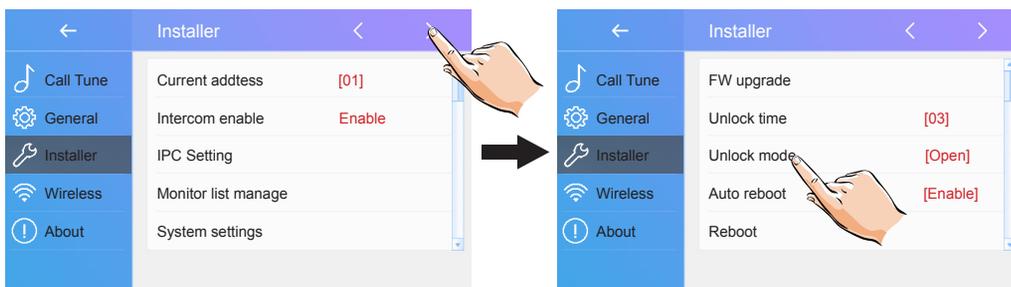
There are two unlock modes:
1. Power-on-to-unlock type = Open
2. Power-off-to-unlock type = Close
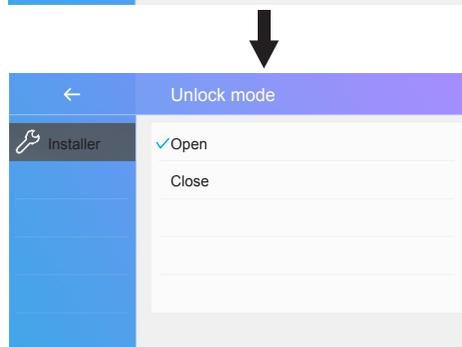
6] SYSTEM WIRING AND CONNECTIONS

Single Door Station System Wiring

Code=00, DIP6=on

HDR-30-24   PC7

AC~
100-240VAC

Doorbell Button

Switch
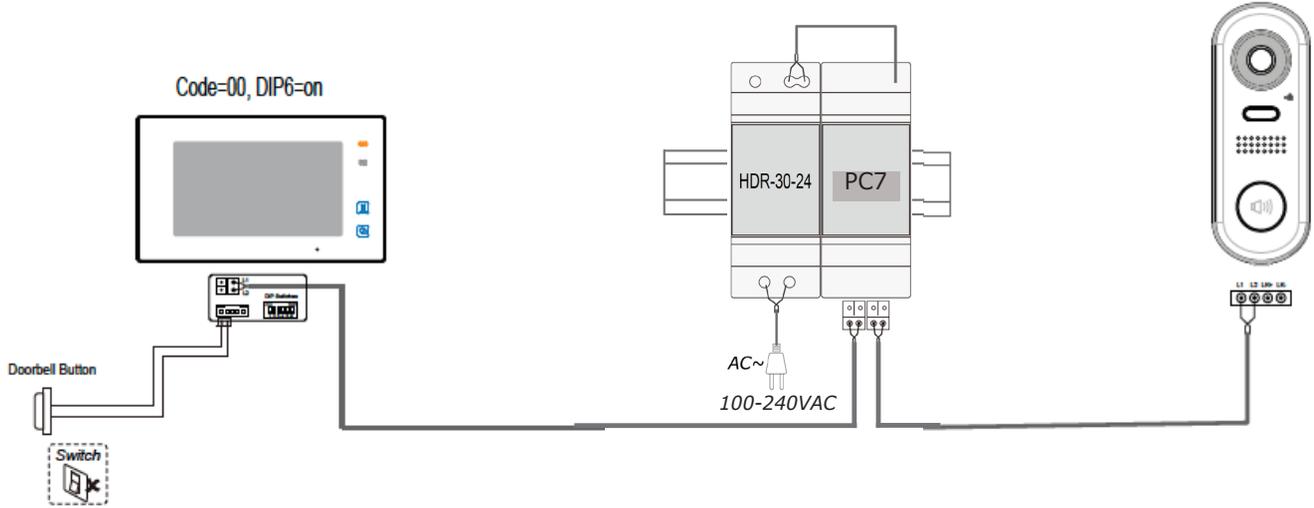
Multi Door Stations System Wiring (4 max*)

4# Camera
(Device Address:3)

3# Camera
(Device Address:2)

2# Camera
(Device Address:1)

1# Camera
(Device Address:0)

A B C D

CDV-DBC4A1

HDR-30-24   PC7

OFF

ON

Impedance
switch

AC~
100-240VAC
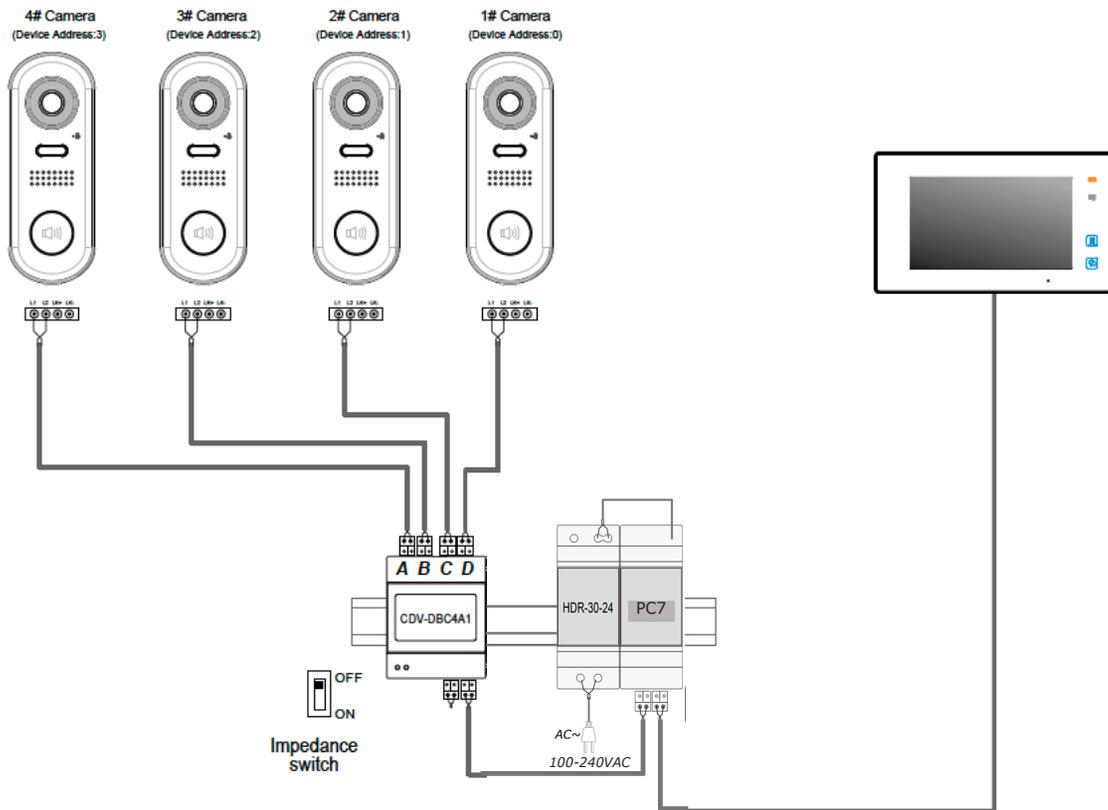
Multi Monitors System Wiring (4 max*)

Standard IN-OUT wiring

Code=1, DIP6=on
(Slave 3)

Code=1, DIP6=off
(Slave 2)

Code=1, DIP6=off
(Slave 1)

Code=1, DIP6=off
(Master)

HDR-30-24   PC7

AC~
100-240VAC

ID=0
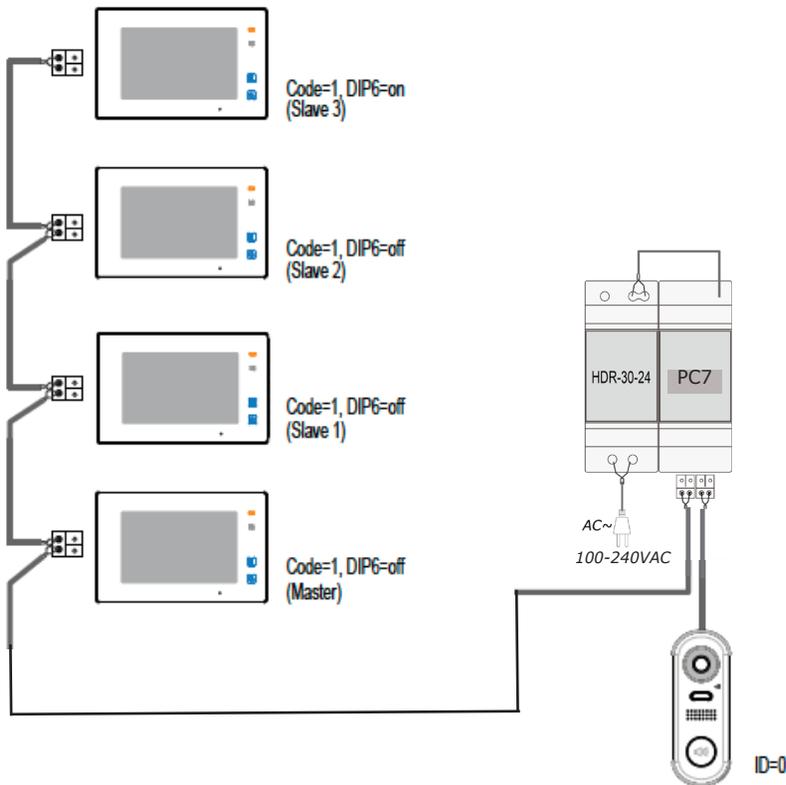
• The door station is compatible with the 2EASY CDV-47 & CDV-47DX monitors from CDVI.

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

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

Star topology wiring with CDV-DBC4A1
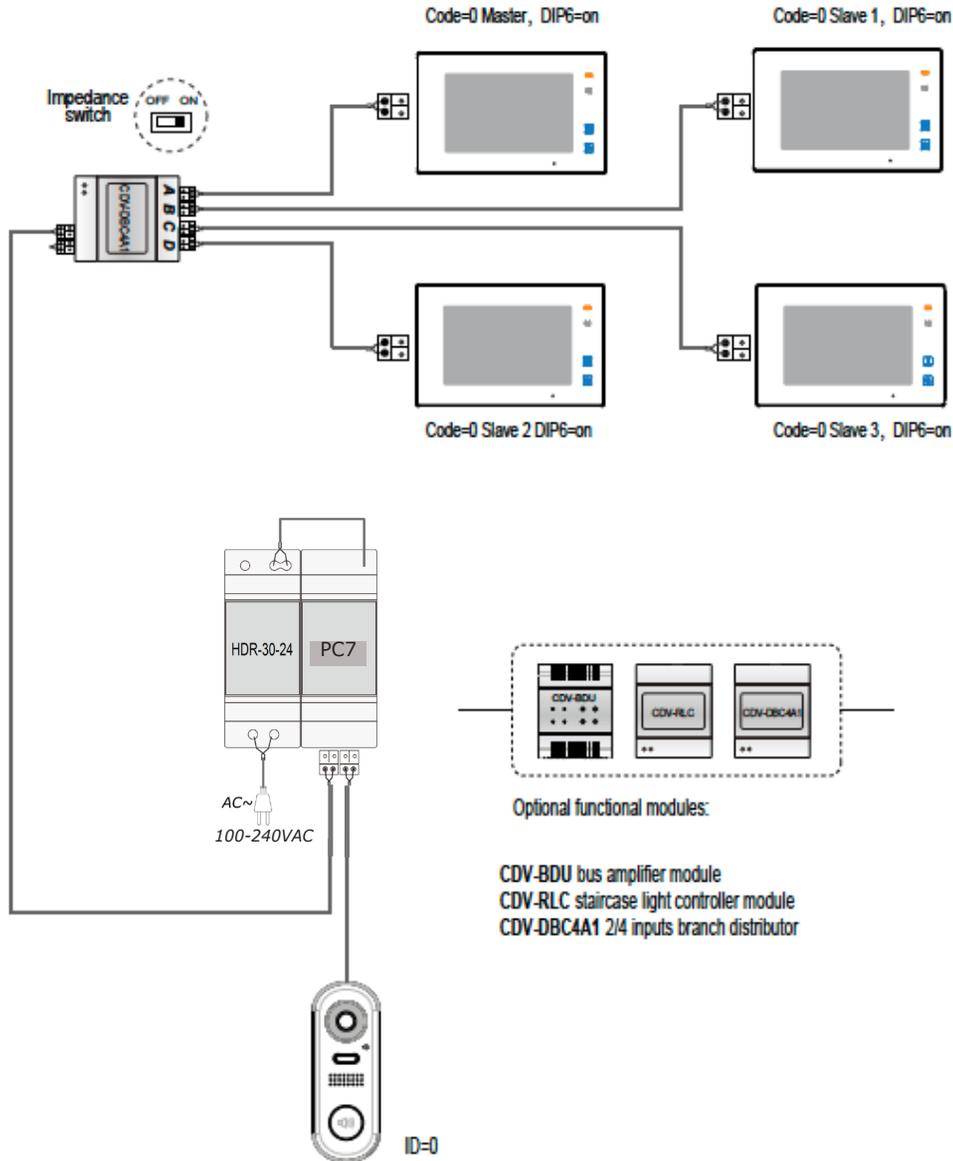
The system can be extended by up to 3 slave monitors for each monitor. We recommend you use the CDVI distributor CDV-DBC4A for the extension.

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).

JP
Jumper position

L1 L2 LK+ LK-
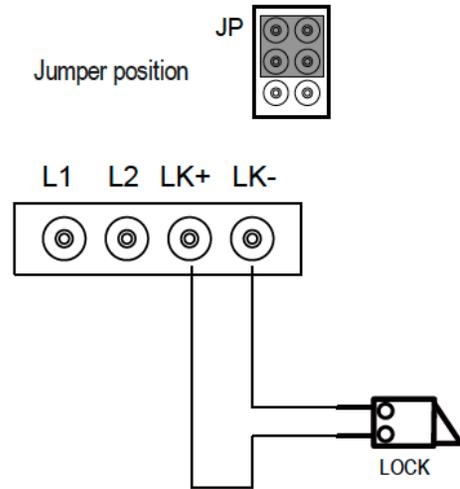
LOCK

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

JP
Jumper position

L1 L2 LK+ LK-

POWER
SUPPLY

LOCK
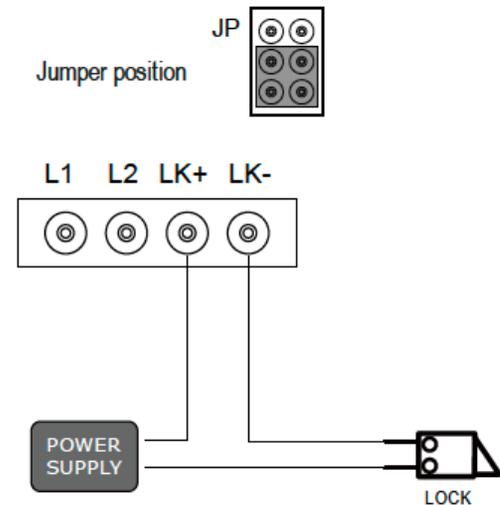
Cable Requirements

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
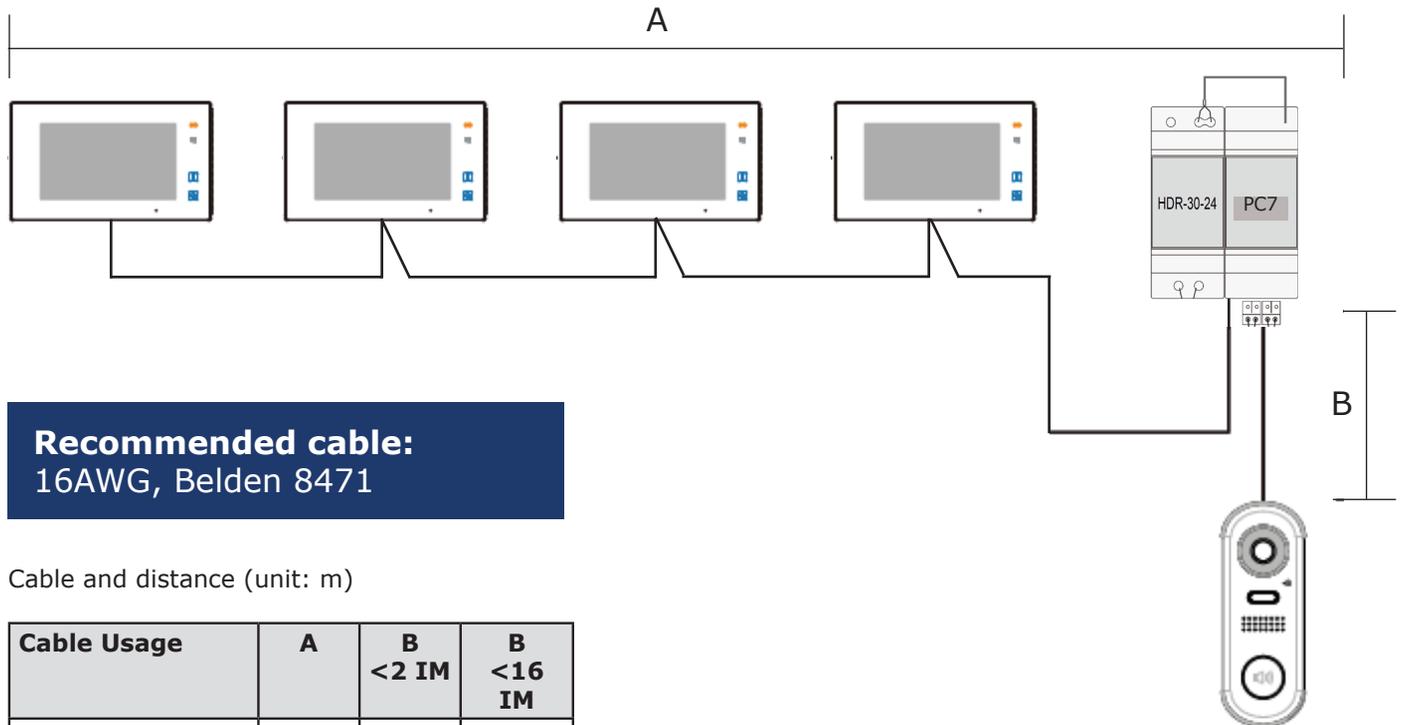
Recommended cable:
16AWG, Belden 8471

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
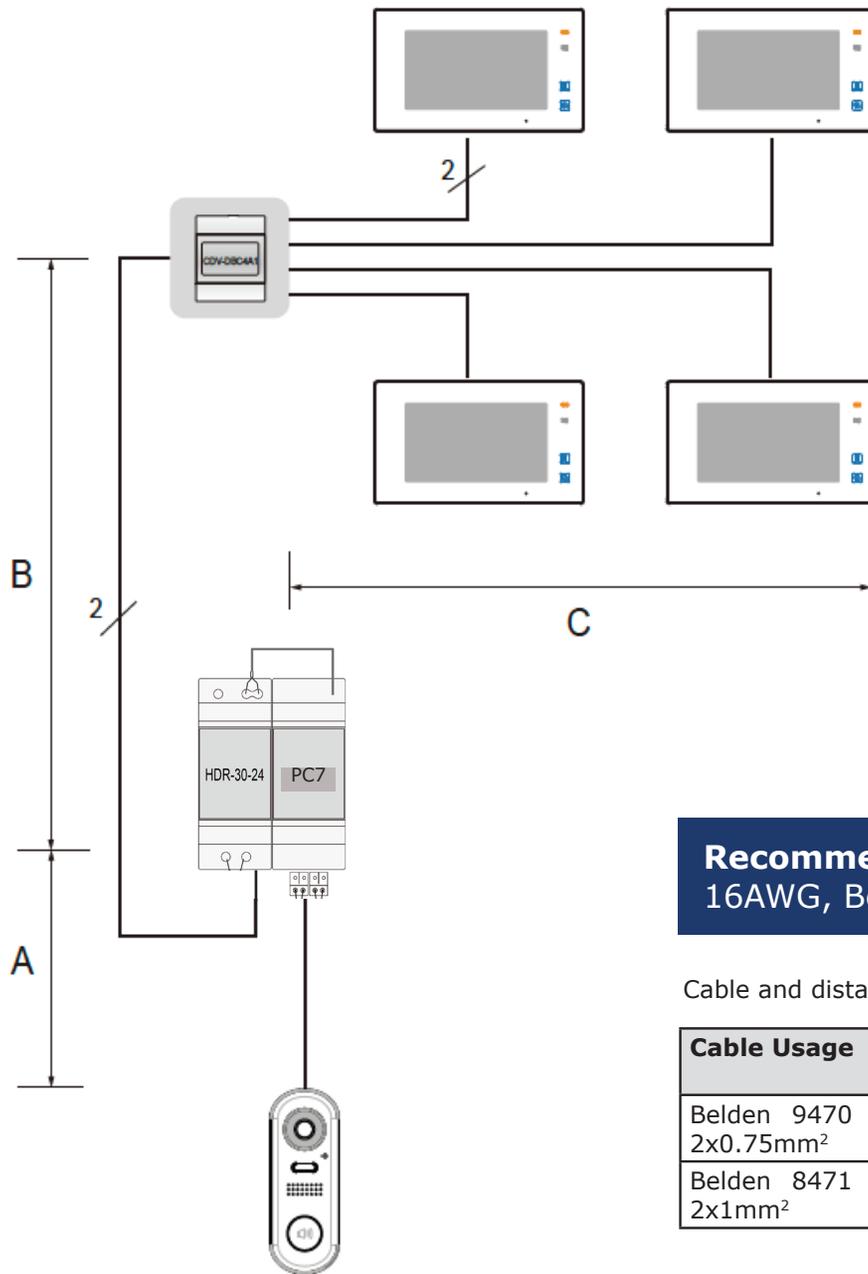
Recommended cable:
16AWG, Belden 8471

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

7] PRODUCT SPECIFICATIONS

CDV-91S Door Station

Feature	Description
Power Supply	24 Vdc
Power Consumption	Standby: 14mA, Working: 122mA
Camera	Color CMOS, 2.0 megapixel 1/2.7'' fisheye camera, 170° 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

CDV-47DX Door Station

Feature	Description
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
Dimensions	132(H) × 226(W) × 18(D) mm

CDV-PC7 Power/ Bus Combiner

Feature	Description
Input Voltage	100-240Vac
Input Frequency	50-60Hz
Rated Output Voltage	28Vdc
Rated Output Current	1.5A
Operating Temperature	$-10^0C \sim 50^0C$
SW Port Input Voltage	Max 230Vac, 1.5A
Dimensions	70(H) x 98(W) x 59(D) mm

CDV-4791S-DX V02

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