



CDVI

Security to Access

2EASY



CDV-4796KPA-DXB, CDV-4796KPA-DXW

2EASY 2-Wire, 1-Way Kit, Black or White Monitor



EN

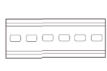
1] CONTENTS

Title	Page
2] PACKAGE CONTENTS	3
3] CDV-97KP DOOR STATION - PARTS AND FUNCTIONS	3
Terminal Description	3
Installation	4
4] CDV-PC7 POWER/BUS COMBINER - PARTS AND FUNCTIONS	5
5] CDV-470DX MONITOR - PARTS AND FUNCTIONS	6
Terminal Description	6
Installation	7
Main Menu	7
Settings	9
6] SYSTEM WIRING AND CONNECTIONS	11
Single Door Station System Wiring	11
Multi Door Stations System Wiring	11
Multi Monitors System Wiring	12
Electric Lock Connections	14
Cable Requirements	15
7] PRECAUTIONS	16
8] PRODUCT SPECIFICATIONS	17
CDV-97KP Door Station	17
CDV-470DX Monitor	17
CDV-PC7 Power, Bus Combiner	17

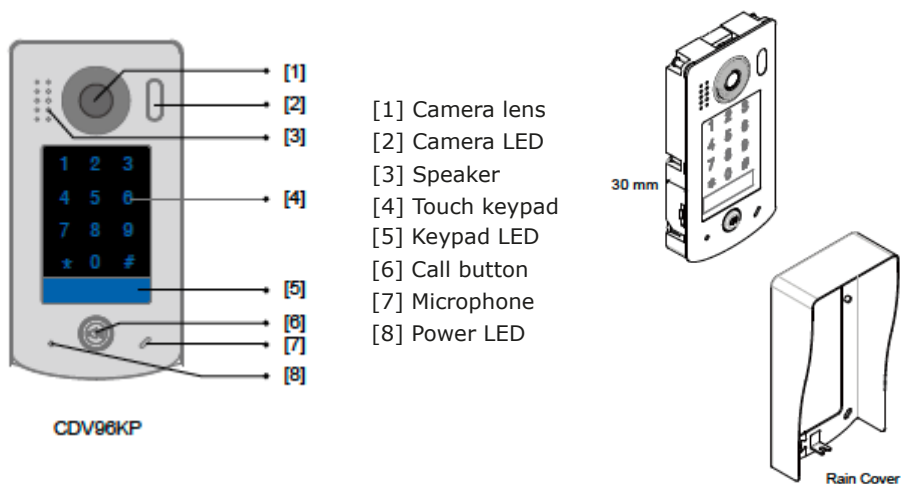
IMPORTANT

- This manual is limited in information. This manual gives basic installation requirements of the CDV-4796KPA-DX kit. For advanced features, see the devices' full manuals on the CDVI UK website: www.cdvi.co.uk.
- For WiFi setup of the kit, see the [CDV-470DX manual](#).

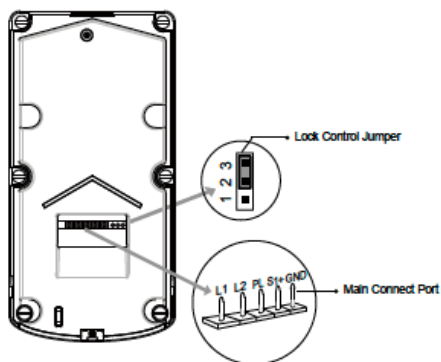
2] PACKAGE CONTENTS

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

3] CDV-97KP DOOR STATION - PARTS AND FUNCTIONS



Terminal Description



Lock Control Jumper: To select the lock type

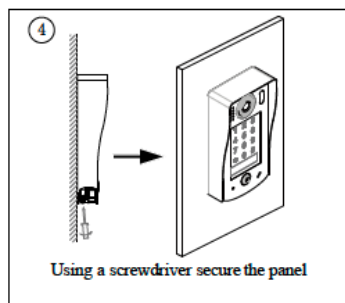
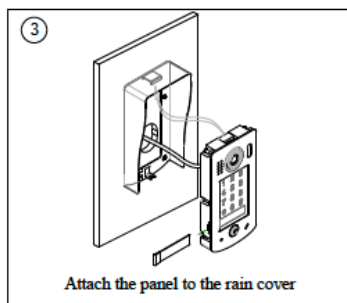
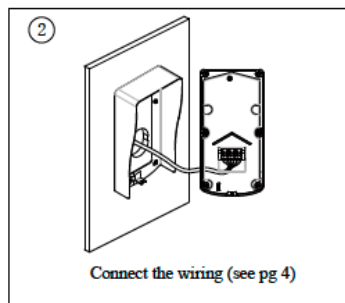
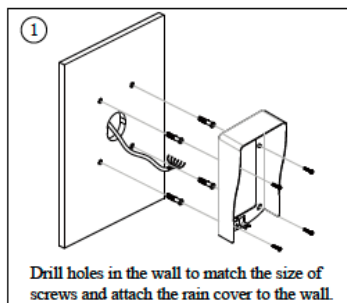
Main Connect Port: For connection of the bus line and the electronic locks

L1, L2: Bus line connection, no polarity

PL: External lock power input

S1+, GND: Lock power connection port

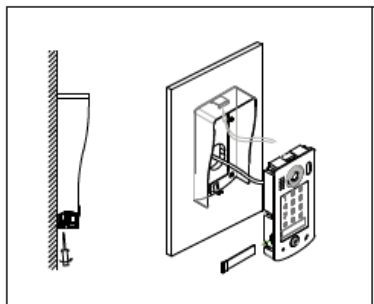
Installation



The recommended installation height for the door station is 145-160cm.

Name label placement

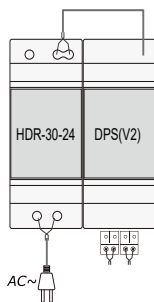
Use a screwdriver to remove the screw holding the panel in place. Slide out the name label as shown.



4] CDV-PC7 POWER/BUS 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.

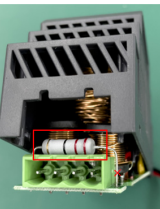
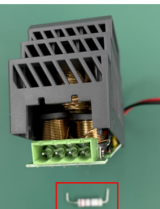


The features are as follows:

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

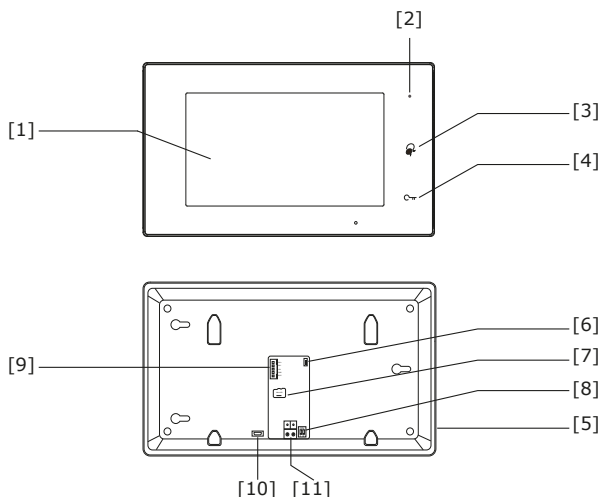
NOTE: If the CDV-PC7 is used as an end-of-line PSU, follow the steps below.

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.

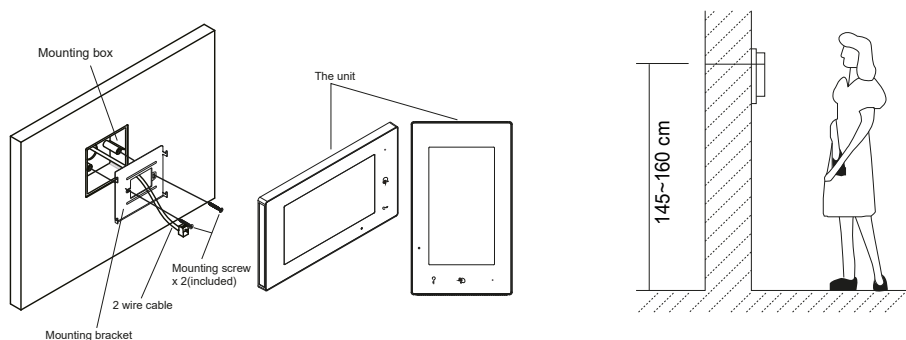
5] CDV-470DX MONITOR - PARTS AND FUNCTIONS

Terminal Description



NB	Item	Description
[1]	Digital LCD touch screen	See next page for details. Display the visitor's image.
[2]	Power/ Do Not Disturb	Shows the power status of the system. Shows the Do Not Disturb status.
[3]	Talk button	Touch to communicate hands free with visitors. Touch to view through the door station camera in standby mode.
[4]	Unlock button	Touch to release the door.
[5]	Speaker	For audio, ringtones and alerts
[6]	Upgrade button	Use to upgrade the software
[7]	SD card slot	Use to insert micro-SD card
[8]	Connection port	2 Wire Bus Terminal, Inputs/Outputs & DiP Switches
[9]	Terminal connections	SW+,SW-: Additional doorbell input connection port GND,BUS: Used to connect 24V local power supply
[10]	Micro USB socket	For data transfer
[11]	2-wire connection	Used for 2-wire systems

Installation

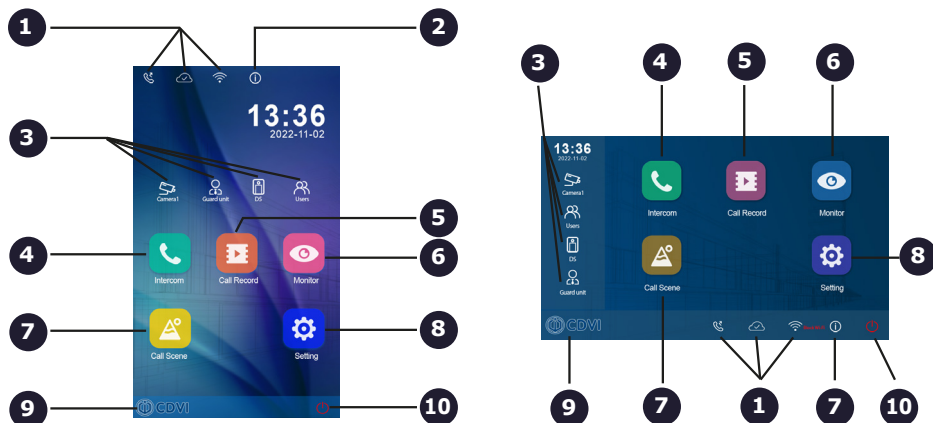


The installation height is suggested as 145 to 160cm.

1. Use screws to fasten the mounting bracket to the wall with a standard single gang flush lightswitch box.
2. Connect the 2-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:



- 1 **Status bar**
Displays icons that indicate the indoor monitor's status (see **Status bar icons** below).
- 2 **About icon**
Allows you to view information about the device.
- 3 **Shortcut windows**
Touch to navigate directly to the corresponding items.
- 4 **Intercom icon**
Allows you to call other indoor monitors.
- 5 **Call Record icon**
Allows you to view the call record.
- 6 **Monitor icon**
Allows you to monitor the door stations and cameras.
- 7 **Call Scene icon**
Allows you to activate the No Disturb and Divert functions.
- 8 **Setting icon**
Use to change the indoor monitor's settings.
- 9 **Logo**
Shows the company brand CDVI by default.
- 10 **Close icon**
Touch to turn off the screen.

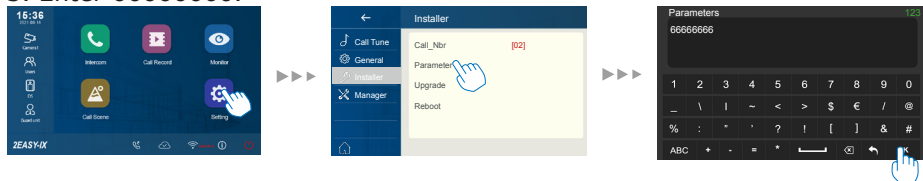
Status bar icons

Icon	Description	
	Missed call	Displays when there is a missed call. Touch to review the missed call.
	Do not disturb	Indicates the device is in "Do Not Disturb" mode.
	Call transfer	Indicates the device is in "Divert Call" mode.
	Device online	Indicates the device is online, but not connected to the internet.
	Cloud server is working	Indicates the device is connected to the cloud server.
	No cloud server	Indicates the device is not connected to the cloud server.
	Cloud server anomaly	Indicates the device cloud server connection is abnormal, i.e. no internet.
	Mute	Indicates the device is in "Mute" mode.
	Recording	Indicates the device is recording.
	Talking	Indicates the device is in "Talking" status.
	Unlock	Indicates that the corresponding door is unlocked.

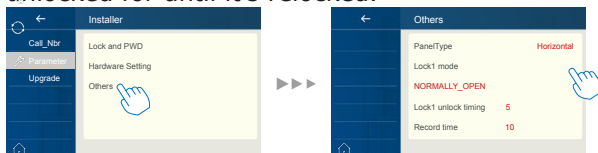
Settings

Unlock Mode & Timing

- From the main menu, tap the **Settings** icon.
- A list of available settings is displayed.
- Select **Installer**, and then tap **Parameters**.
- Enter 66666666.

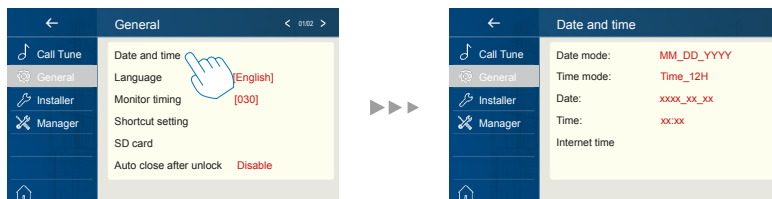


- Click on Others.
- Click on Lock1 mode to change the locking mode.
- Click on Lock1 unlock timing to change the time the door should stay unlocked for until it's relocked.



Date and time

- From the main menu, tap the **Settings** icon.
- A list of available settings is displayed.
- Select **General**, and then tap **Data and time** to update your device's data and time.



- **Date mode:** Select between two display options: month/date/year or date/month/year
- **Time mode:** Select between two display options: HOUR_12 or HOUR_24
- **Date:** Set the date.
- **Time:** Set the time.
- **Internet time:** Synchronise the time of the system.

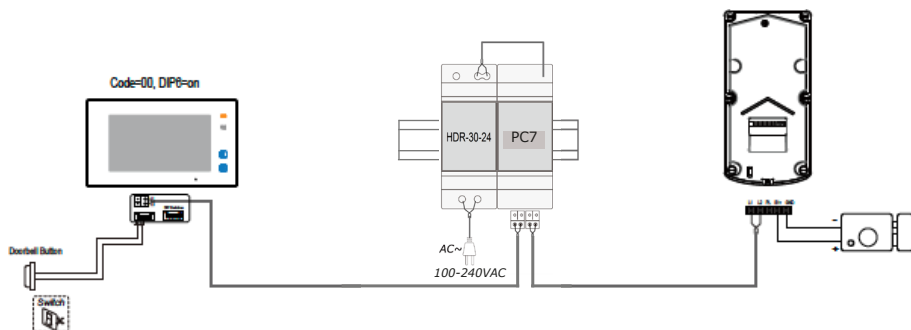
Address Set-up

1. From the main menu, tap the **Settings** icon.
 - A list of available settings is displayed.
2. Select **Installer**, and then tap **Call_Nbr**.
3. Input the room number.

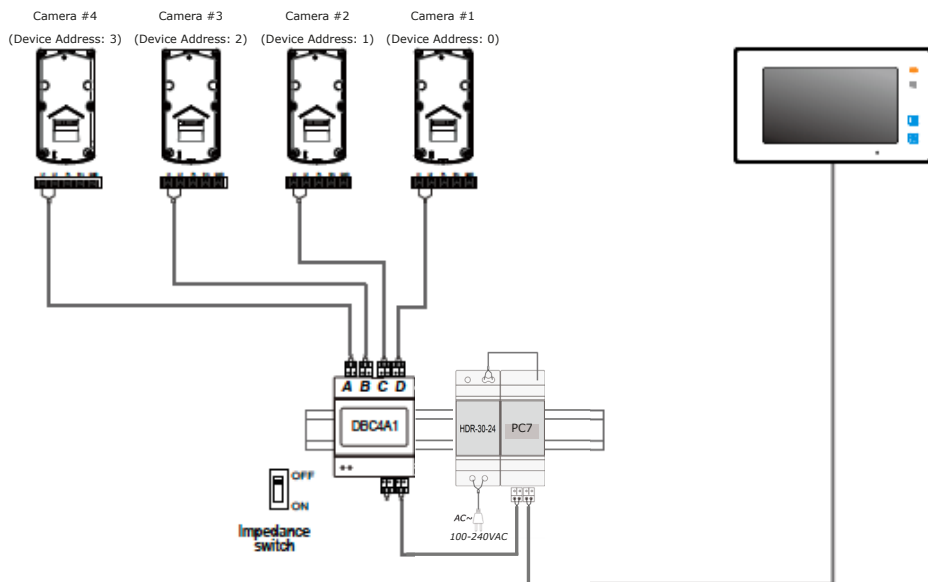


6] SYSTEM WIRING AND CONNECTIONS

Single Door Station System Wiring

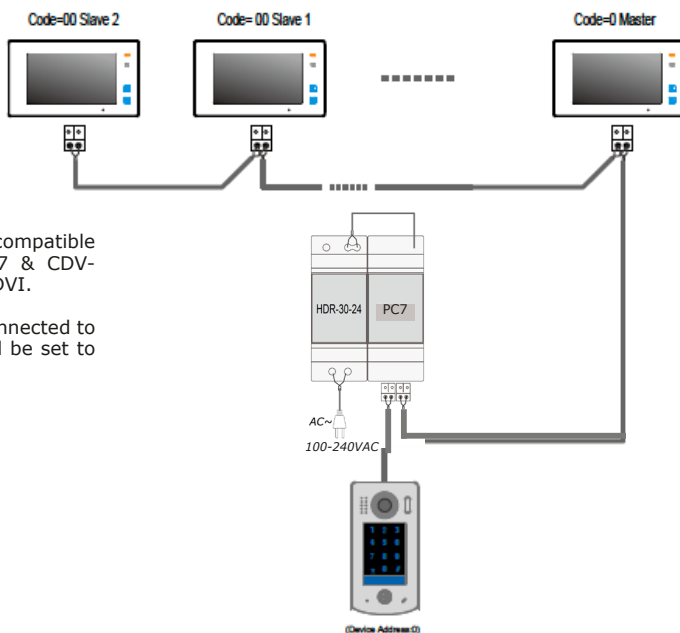


Multi Door Stations System Wiring (4 max*)



Multi Monitors System Wiring (4 max*)

Standard IN-OUT wiring

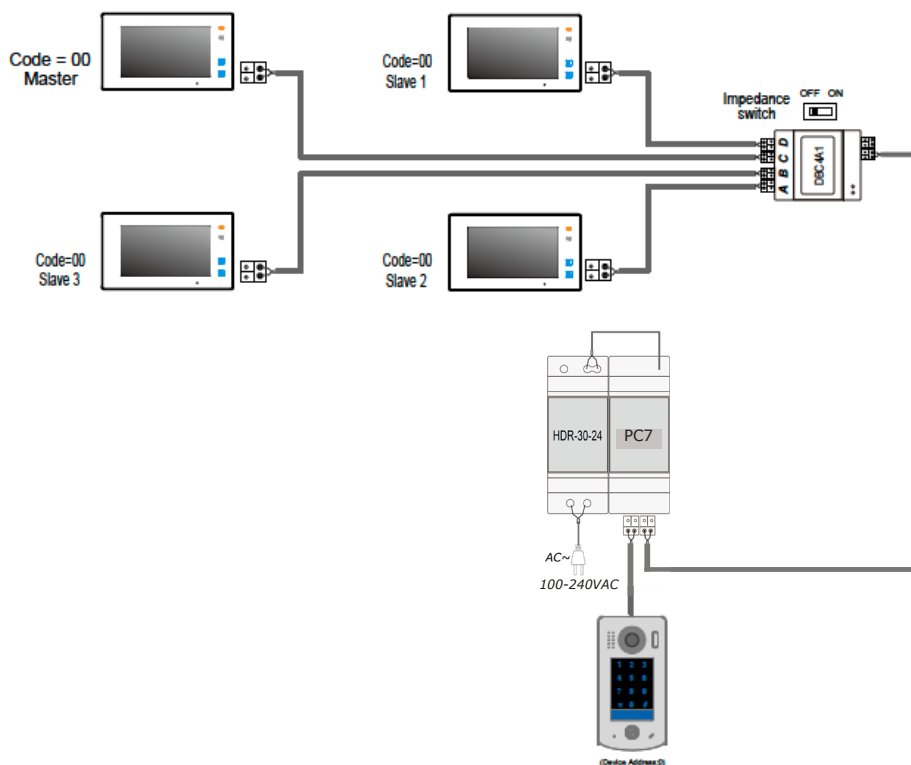


- The door station is compatible with the 2EASY CDV-47 & CDV-470DX monitors from CDVI.

- 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 [page 15](#).** For further help, call CDVI Technical Support on +44 (0) 1628 531300 or visit the [CDVI Support Centre](#).

Star topology wiring with CDV-DBC4A1



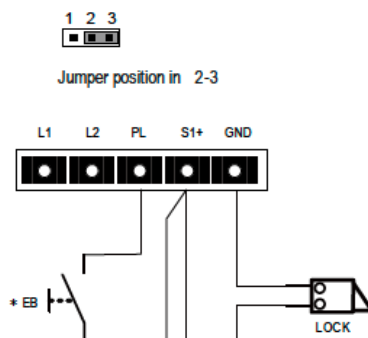
The system can be extended by up to 3 slave monitors for each monitor. We recommend you use the CDVI distributor CDV-DBC4A for the extension.

Electric Lock Connections

Door lock controlled with internal power

Notes:

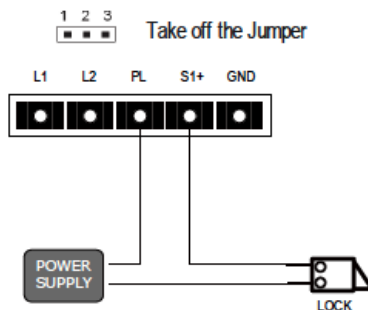
1. This mode only supports fail secure (power on to unlock) Strikes.
2. The door lock is limited to 12V, and holding current must be less than 250mA.
3. The door lock control is not timed from the exit button (EB).
4. The monitor's **Unlock Mode** parameter must be set to 0 (by default).



Door lock controlled with dry contact

Notes:

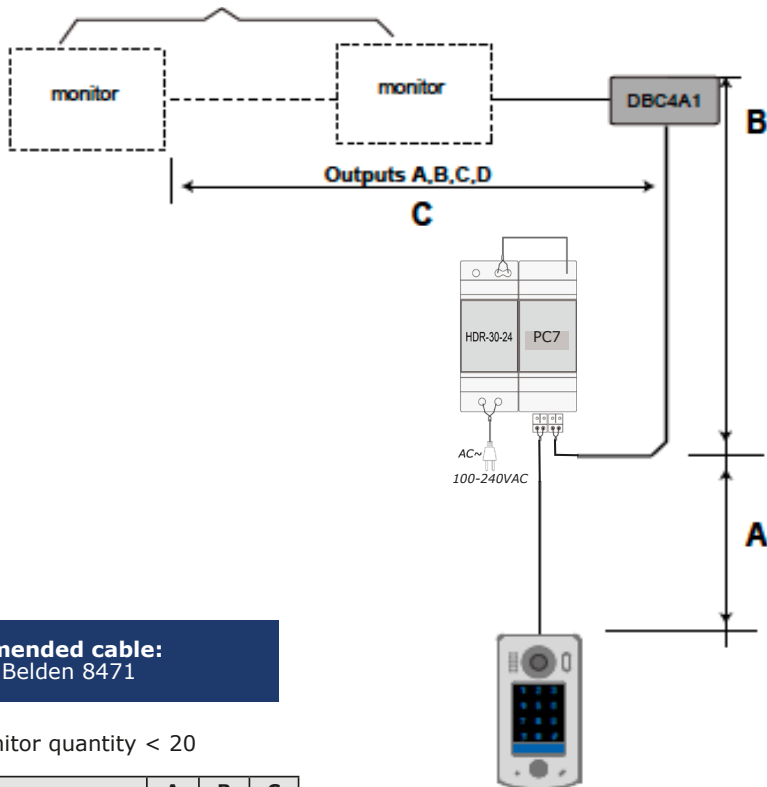
1. An external power supply must be used according to the lock power requirements.
2. The internal relay contact is restricted to AC or DC Max 24V/1A
3. Remove jumper before connecting.
4. Set up the monitor's **Unlock Mode** for different lock types.
 - Power-on-to-unlock (fail secure): Unlock Mode = 0 (default)
 - Power-off-to-unlock (fail safe): Unlock Mode = 1



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.

Two to four monitors from outputs A, B, C & D of DBC4A



Recommended cable:
 16AWG, Belden 8471

When monitor quantity < 20

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

When monitor quantity > 20

Cable Usage	A	B	C
Twisted cable 2x1mm ²	70	30	20
Twisted cable 2x1.5mm ²	70	50	30

7] PRECAUTIONS

- Please clean the unit with soft cotton cloth, don't use any wet wipes, 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 directly onto the keypad. Excessive moisture may cause problems with the unit.
- You must use the correct power adapter which is either 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.

8] PRODUCT SPECIFICATIONS

CDV-96KP Door Station

Feature	Description
Power Supply	24 Vdc
Power Consumption	Standby: 15mA Working: 105mA
Camera	Color CMOS, 2.0 mega pixel 1/2.7" fisheye camera, 170° wide angle
Lock Power Supply	12 Vdc, 280mA (internal power)
Relay Circuits	2 (the second lock requires external device support)
Operating Temperature	-15°C to 55°C
Dimensions	182(H) x 93(W) x 44(D) mm
IP Rating	IP54

CDV-470DX Monitor

Feature	Description
Power Supply	20-28Vdc
Power Consumption	Standby: 1.7W Working: 8.2W
Monitor Screen	7-inch IPS full view angle digital color TFT
Display Resolutions	1024 x 600 pixels (R, G, B)
Operating Temperature	- 10 to 50°C
Wiring	2 wires non-polarity, 100m
Dimensions	174(H)×161(W)×22(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°C to 50°C
SW Port Input Voltage	Max 230Vac, 1.5A
Dimensions	70(H) x 98(W) x 59(D) mm

CDVI Group

FRANCE (Headquarters)

Phone: +33 (0) 1 48 91 01 02

.....

CDVI FRANCE + EXPORT

+33 (0) 1 48 91 01 02

www.cdvi.fr

CDVI AMERICAS [CANADA - USA]

+1 866 610 0102

www.cdvi.ca

CDVI BENELUX [BELGIUM - NETHERLANDS - LUXEMBOURG]

+32 (0) 56 73 93 00

www.cdvi benelux.com

CDVI GERMANY

+49 (0) 251 798477 0

www.cdvi.de

CDVI TAIWAN

+886 (0) 42471 2188

www.cdvi china.cn

CDVI SUISSE

+41 (0) 21 882 18 41

www.cdvi.ch

CDVI WIRELESS

+39 (0) 438 450860

www.erone.com

CDVI IBÉRICA [SPAIN - PORTUGAL]

+34 (0) 935 390 966

www.cdvi iberica.com

CDVI ITALIA

+39 (0) 321 90 573

www.cdvi.it

CDVI MAROC

+212 (0) 5 22 48 09 40

www.cdvi.ma

CDVI NORDICS [SWEDEN - DENMARK - NORWAY - FINLAND]

+46 (0) 31 760 19 30

www.cdvi.se

CDVI UK [UNITED KINGDOM - IRELAND]

+44 (0) 1628 531300

www.cdvi.co.uk

CDVI POLSKA

+48 (0) 12 659 23 44

www.cdvi.com.pl

All the information contained within this document (pictures, drawings, features, specifications and dimensions) could be perceptibly different and can be changed without prior notice. - May 2023