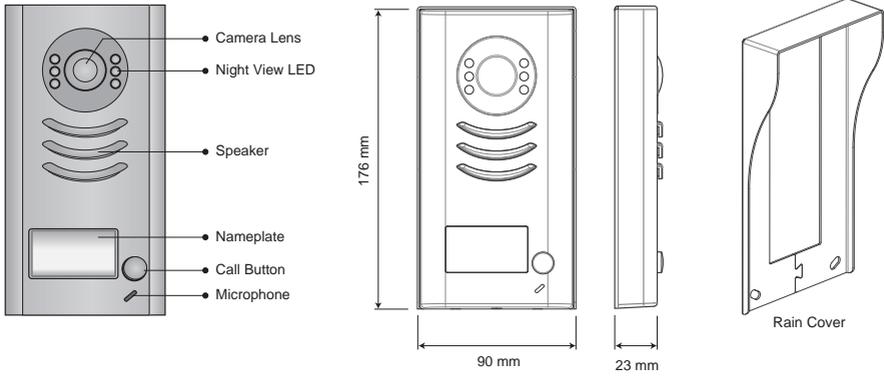# 2Easy 1 User Video Entry Kit

CDV4791/2

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.

1. CDV4791/2 KIT CONTENTS:

1 x CDV91/CDV92	-	1 or 2 Button Video Entry Panel
1 x CDV-PC6	-	Power/Bus Combiner
1 x CDV-47M	-	TFT Touch screen Internal Monitor
1 x 145mm Din Rail		
1 x CDV4791/92 Manual		

2: CDV91/92 Parts and Functions

- Camera Lens
- Night View LED
- Speaker
- Nameplate
- Call Button
- Microphone

176 mm

90 mm

23 mm

Rain Cover

2.1: Terminal Descriptions

1 2 3

ON

2

1

- Lock Control Jumper
- Doorstation Code DIP
- MIC adjustment
- SPK adjustment

BUS   PL S1+ S2+ S-

- Main Connect Port
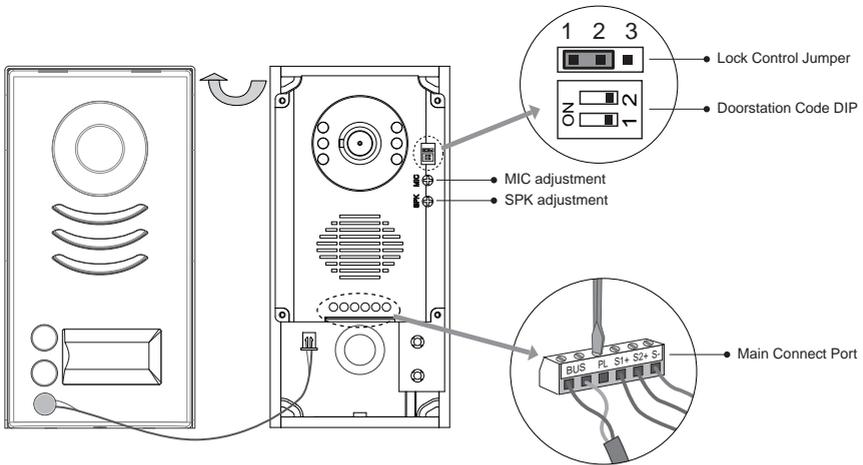
2.2: Installation & Adjustments

Mounting Without Rain Cover
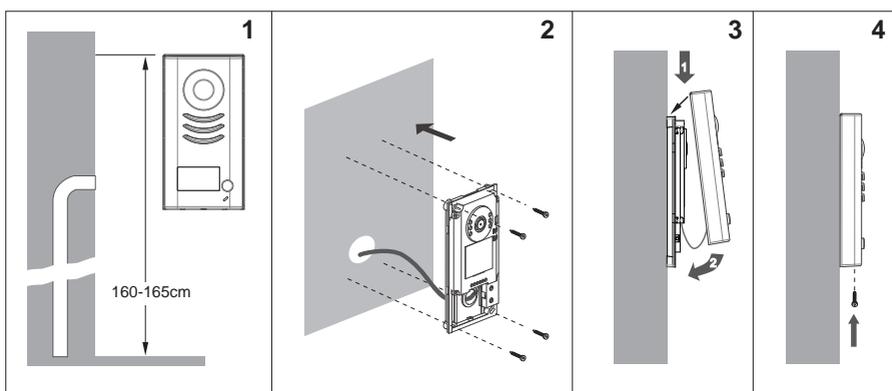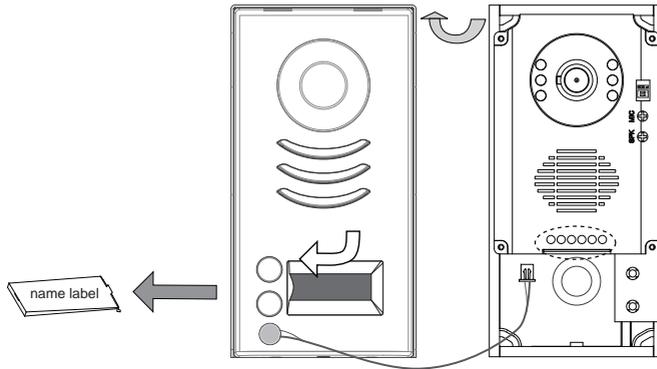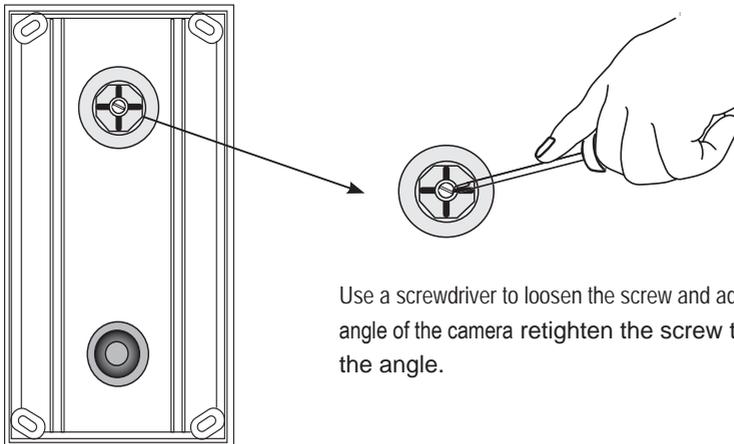

Mounting With Rain Cover
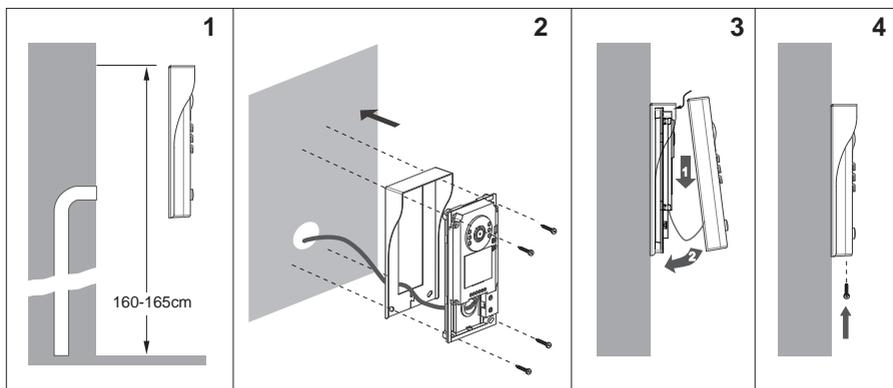
4.3 Fitting The Name Label

From the rear of the metal section of the CDV91/92 unclip the plastic to open the transparent name
 plate, insert a name label and replace the plastic cover.

name label

4.4 Adjusting Camera Angle

Use a screwdriver to loosen the screw and adjust the
angle of the camera retighten the screw to fix
the angle.

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 DT-DPS(power separator), Additional
  DT-DPS is not needed.
- Support up to 4~8 monitors(depend on models)
- DIN Rail Mounting

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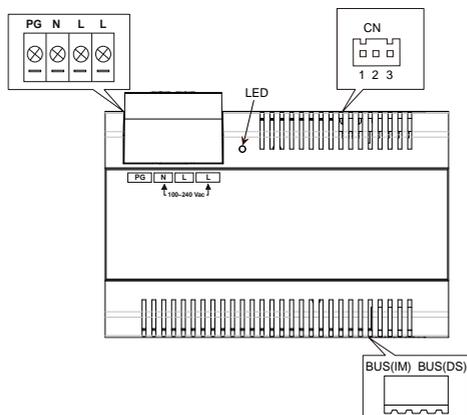
PG:	Earth ground terminal.
N:	AC input terminal.
L:	AC input terminal.
LED:	Power indicator, on when power connected.
CN:	Bus control terminal.
BUS(IM):	Indoor monitor connection terminal.
BUS(DS):	Door station connection terminal.

6

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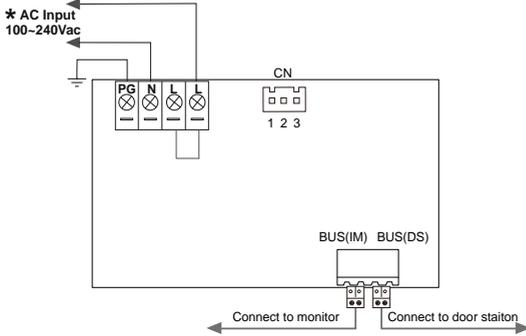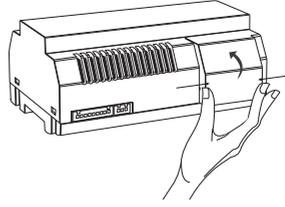
Note:
1. The AC cable is not included in the package, it must comply to the specific requirements of country where installed.

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.

✱ AC Input 100~240Vac

PG N L L

CN
1 2 3

BUS(IM) BUS(DS)

Connect to monitor   Connect to door staiton

4: CDV47 Parts and Functions

4.1: Terminals, Key Functions & Installation

- Digital TFT LCD Screen
- Emergency Button
- Message Indicator
- UNLOCK Button
- TALK/MON Button
- Microphone

- Mounting Hook
- Speaker
- Connection Port
- Mounting Hook
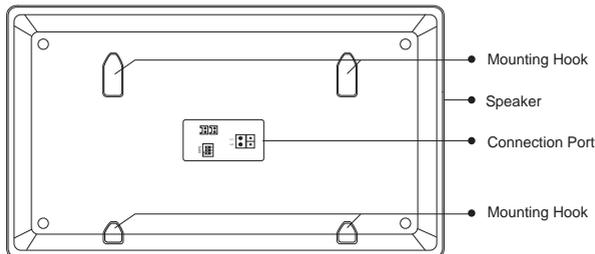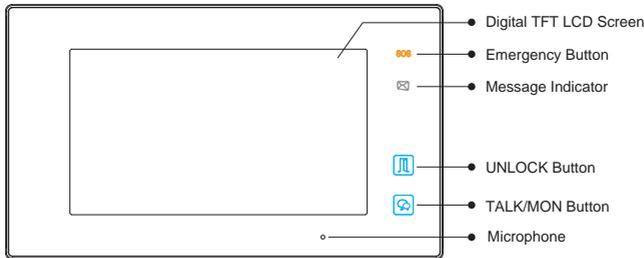
Key functions:

LCD screen	Displays the camera image
Emergency button	Press for 3 seconds to send an SOS message*
Message indicator	Indicates a new visitor call recording
Unlock button	Press to release the door
Talk/Mon button	Press to communicate with the visitor when called
	Press to display the camera view when in standby mode
Microphone	Transmits voice communication
Mounting hook	To secure monitor to wall bracket
Connection port	Bus connection. DiP switches and door bell input.
Speaker	Receives voice communication

DIP Settings:

Bit	Bit State	Description
DIP1&2		Reserved. left to default.
DIP3		Set to OFF. When the monitor is in the middle of the line in daisy chain connection.
		Set to ON. When the montior is at the end of the line.

Mounting:
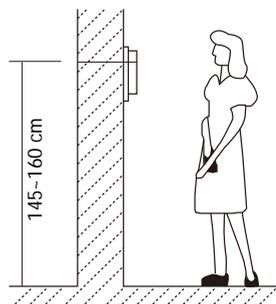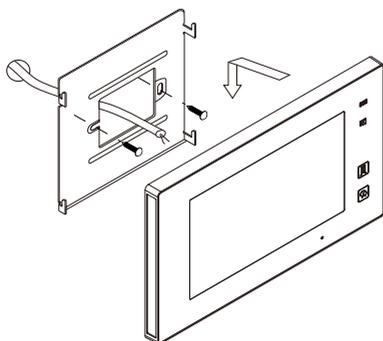
4.2: Main menu

Touch the screen anywhere on monitor
in standby mode, the main menu page
will be shown as follows:

4.3: Installer Set Up Menu

How to enter the installation setting page:

1.Touch [CDVI] icon on
main menu page.

2.Touch **UNLOCK**
button and hold for 2s.

3.A digital keypad
will be shown.

Setting the Slave address:

A maximum of 4 monitors can be connected in one apartment (call button), one
master monitor together with 3 slave monitors, the address must be set
correctly.(Note: one monitor to be set as master monitor - address 00)
The code of 8000 is used to set the master monitor.
The code of 8001 is used to set the first slave monitor .
The code of 8002 is used to set the second slave monitor .
The code of 8003 is used to set the third slave monitor .

Setting the slave monitor video on:

In default mode, when receive a calling the master and slave monitors will ring at the same time, however the master monitor will display the image while the slave monitors will not. This setting can be changed to allow all the slave monitors to display video from the panel at the same time when receiving a call, enter the code number of 8006 on each slave monitor. (Note: it is not recommended to have more than 2 monitors se to on when using cat5/6 cable).

Press call button
on door station

When reveiving calling,all monitors can display the image at the same time

Master monitor   #1st slave monitor   #2nd slave monitor   #3rd slave monitor

How to set date and time format:

The system offers two methods of date and time.
Code number of 8008 is used to set the date format as month/day/year.
Code number of 8009 is used to set the date format as day/month/year.
Code number of 8012 is used to set the time format as 12 hour system.
Code number of 8013 is used to set the time format as 24 hour system.

How to set the unlock parameter:

Unlock mode:

There are two unlock modes: 1.power-on- to-unlock type:unlock mode =0 (by default)
2.power-off-to-unlock:unlock mode = 1.

Code number of 8010 is used to set the unlock mode to 0
Code number of 8011 is used to set the unlock mode to 1

Unlock time:

The unlock time can be changed by yourself at any time.it can be set from 1 to 99 seconds.
The code number from 8401 to 8499 are used to set the unlock time to 1~ 99 seconds.

Setting the user code (address) for the monitor:

Input No.	User Code	Input No.	User Code	Input No.	User Code
8201	Code=1	8212	Code=12	8223	Code=23
8202	Code=2	8213	Code=13	8224	Code=24
8203	Code=3	8213	Code=14	8225	Code=25
8204	Code=4	8215	Code=15	8226	Code=26
8205	Code=5	8216	Code=16	8227	Code=27
8206	Code=6	8217	Code=17	8228	Code=28
8207	Code=7	8218	Code=18	8229	Code=29
8208	Code=8	8219	Code=19	8230	Code=30
8209	Code=9	8220	Code=20	8231	Code=31
8210	Code=10	8221	Code=21	8232	Code=32
8211	Code=11	8222	Code=22		

DiP Switch Address Settings:

Input No.	User Code	Input No.	User Code	Input No.	User Code
8201	Code=1	8212	Code=12	8223	Code=23
8202	Code=2	8213	Code=13	8224	Code=24
8203	Code=3	8213	Code=14	8225	Code=25
8204	Code=4	8215	Code=15	8226	Code=26
8205	Code=5	8216	Code=16	8227	Code=27
8206	Code=6	8217	Code=17	8228	Code=28
8207	Code=7	8218	Code=18	8229	Code=29
8208	Code=8	8219	Code=19	8230	Code=30
8209	Code=9	8220	Code=20	8231	Code=31
8210	Code=10	8221	Code=21	8232	Code=32
8211	Code=11	8222	Code=22		

5: Schematics & Wiring

5.1: Wiring & Cable Distances:

The maximum cable distance of the wiring is limited. Using different cables will also affect the maximum distance available from the 2Easy system.
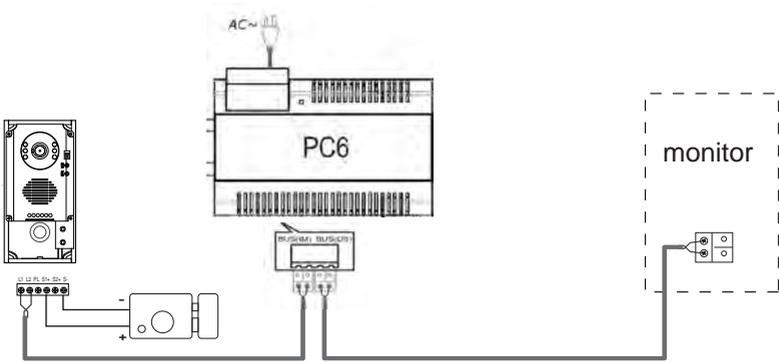

Farthest monitor

monitor

with two to four monitors

monitor

DBC4

B

C

DPS

A
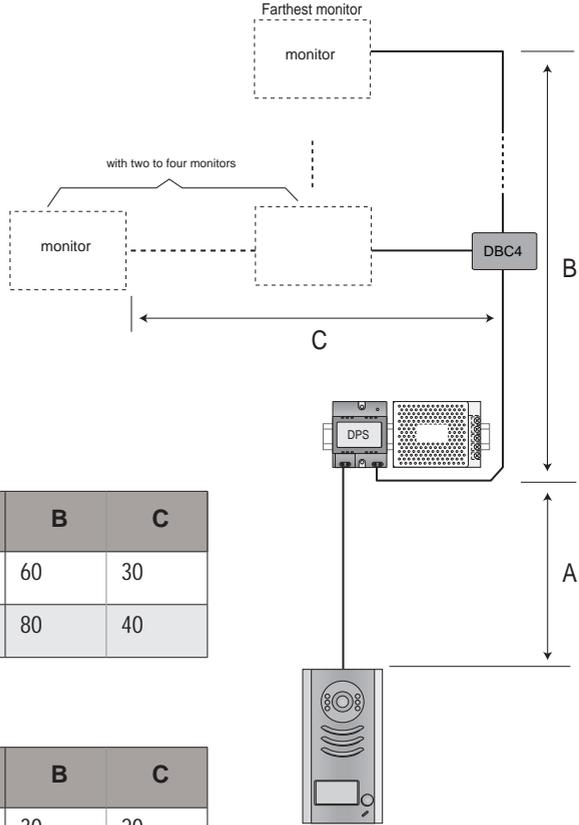
Monitor quantity < 20

Cable Usage	A	B	C
Twisted cable 2x0.75 mm^2	60	60	30
Twisted cable 2x1 mm^2	80	80	40

Monitor quantity > 20

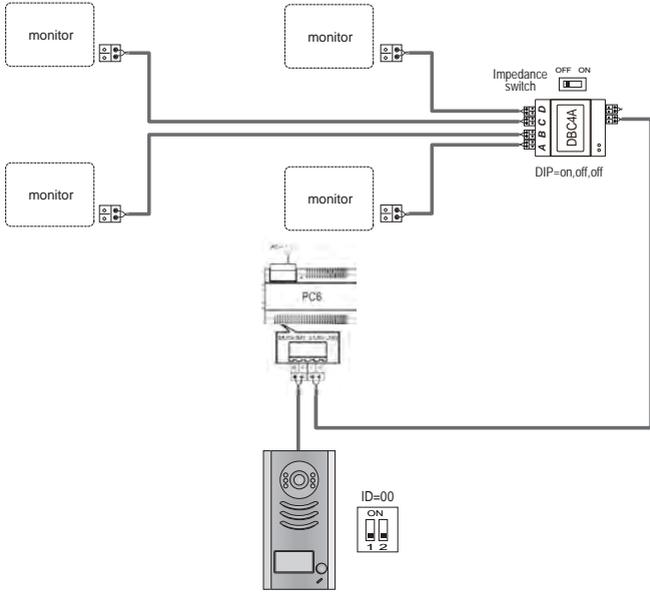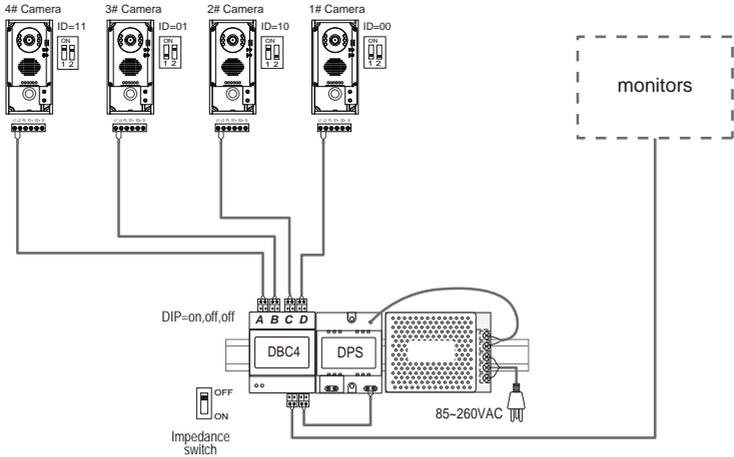| Cable Usage	A	B	C
Twisted cable 2x1 mm^2	70	30	20
Twisted cable 2x1.5 mm^2	70	50	30

5.2 Basic Wiring Configurations

'Daisy Chain Connection:
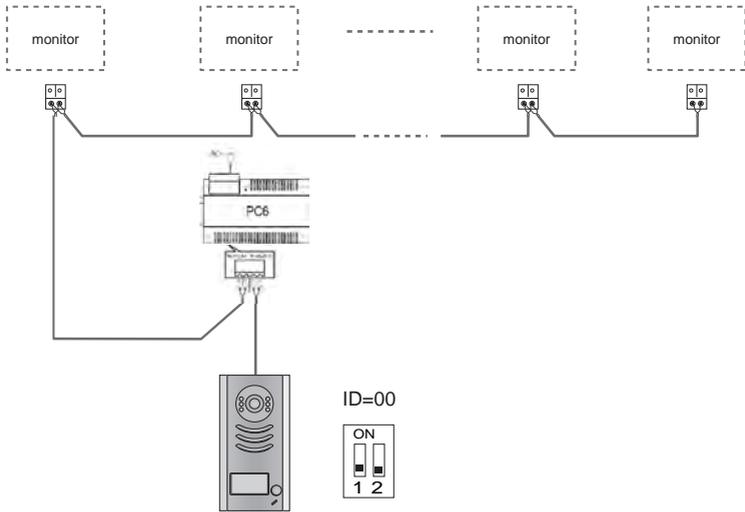
Star Connection with CDV-DBC4A:

Multiple Door Station Connection

14

5.3 Electric Lock Connection
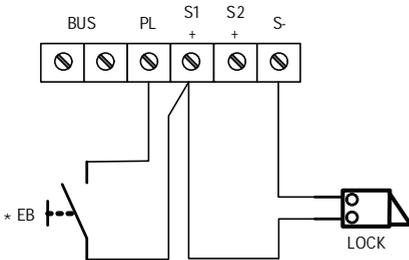
Lock connection using internal power output:

Note:

1. Electric locks must be Power-on-to-unlock.
2. The door lock output is limited to 12V with holding current maximum of 250mA.
3. The door lock output is not timed from the Exit Button(EB).
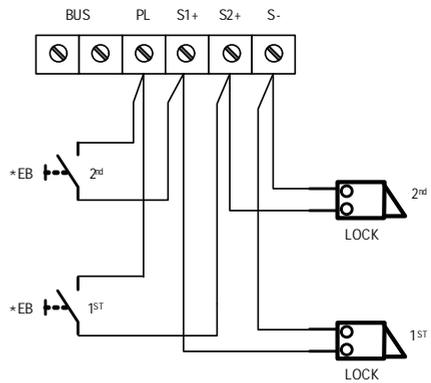4. The unlock parameter of the monitor must be set to 0 (default).

Connecting one lock:

Jumper position in 1 & 2

Connecting two locks:


Jumper position in 1 & 2

15

Lock connection using external power supply:

Note:

1.   The external power supply must be rated according to the lock consumption.

2.   The jumper must be removed before connecting.

3.   Set up the unlock mode for the monitor for lock type:

> 8010 - Power-on-to-unlock type:Unlock Mode=0 (default)
> 8011 - Power-off-to-unlock type:Unlock Mode=1

Connecting one lock

Connecting two locks
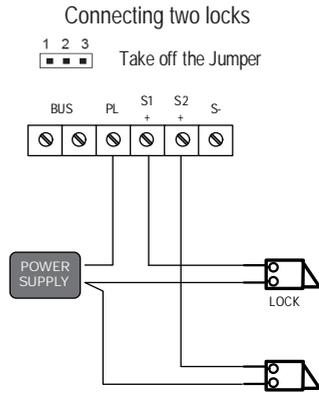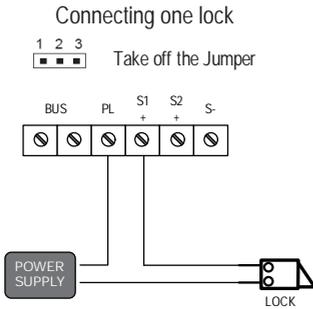
7: Specifications:

CDV91/92

Power Supply :	DC 24V (supplied by PS1-24V or PS5-24V)
Power Consumption:	Standby 50mA;
Operating Current:	200mA
Camera:	Pinhole Sharp Color CCD; 420 TV Lines
Unlocking time:	1-9S, set by monitor Lock
Power supply:	12Vdc, 300mA(Internal Power)
Temperature:	$-10^0C \sim +45^0C$
Wiring:	2 wires - Unscreened twistedpair(non-polarity)
Dimension:	176(H)×90(W)×24(D)mm

CDV-PC6A

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

CDV-47M

Input Power:	20-28vdc
Standby Current:	12.4mA
Operating Current:	270mA
Screen:	7" digital colour LCD
Display Resolution:	800 x 3(RGB) x 480 pixels
Video Signal:	1v p-p, 75 ohm, CCIR
Wiring:	2 wires UTP, non-polarity
Dimensions:	225 x 131 x 18mm

1) All components should be protected from shock or vibration, and be careful the products are not impacted, knocked or dropped.

2) Please clean with a soft cotton cloth, please do not use a chemical cleaning agent. If necessary, please use a little pure water or dilute soapy water to clean.

3) Image distortion may occur if the video monitor is mounted too close to a magnetic feld eg microwaves, TV's, computers etc.

4) Please do not subject the monitor to wet, high temperature, dust, caustic and oxidation gas environments, any of which could cause unpredictable damage.

5) Please use the right adaptor which is supplied by the manufacturer, or approved by the manufacturer.

6) Pay attention to the high voltage inside the products, please refer service only to a trained and qualifed professional.

Precautions

1) All components should be protected from shock or vibration, prevent impacts and sharp knocks. Do not drop

2) Please clean with a soft cotton cloth, please do not use a chemical cleaning agent. If necessary, please use a little pure water or dilute soapy water to clean.

3) Image distortion may occur if the video monitor is mounted too close to a magnetic feld eg microwaves, TV's, computers etc.

4) Please do not subject the monitor to wet, high temperature, dust, caustic and oxidation gas environments, any of which could cause unpredictable damage.

5) Please use the right adaptor which is supplied by the manufacturer, or approved by the manufacturer.

6) Pay attention to the high voltage inside the products, please refer service only to a trained and qualifed professional.