# DPC-D247

2-wired door station

User´s manual

Introduction

The door station is designed with high resolution color CCD camera, it provides wide angle of 105^0 for DT 2-wire intercom system. The high white LED for night view makes the door station working efficiently at night.

The front panel is made of medical stainless steel with a thickness of 2.5 mm for better protection against vandalism and cauterization. The call button is made of durable zinc alloy with white backlight for illumination. The name label with orange backlight is covered by a fully secured and flameproof glass plate.

Parts and Function
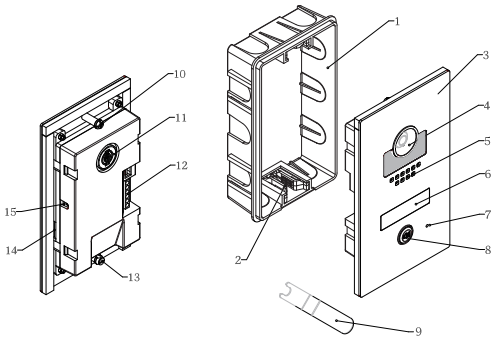
1	Mounting box	9	Spanner
2	Plastic bracket	10	Fixed axis B
3	Front panel	11	Camera adjustment
4	Camera lens	12	Connection port
5	Speaker	13	Fixed axis A
6	Name label	14	Name plate hole
7	Microphone	15	Signal adjustment
8	Call button		

Terminal Description

Doorstation Code DIP

T/R+ T/R-

Lock Control Jumper

Main Connect Port

BUS PL S1+ S2+ S-
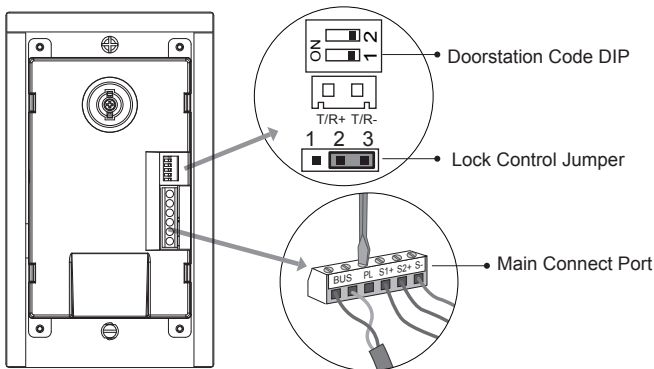
Lock Control Jumper: To select the lock type.

Door Station Code DIP: Total 4 door stations can be supported.

T/R+,T/R-: USB-RS485 communication terminal.

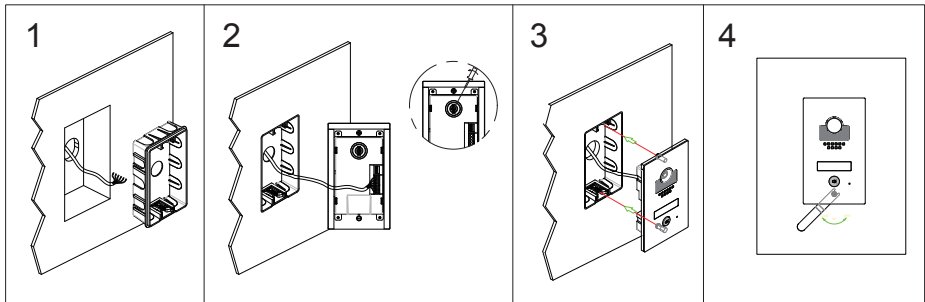**Main Connect Port:** To connect the bus line and the electronic locks.

BUS: Connect to the bus line, non-polarity.

PL: External lock power input, connect to the power positive(power +).

S1+, S2+: Lock power(+) output, to connect 2 locks.

S-: Lock power(-) output.

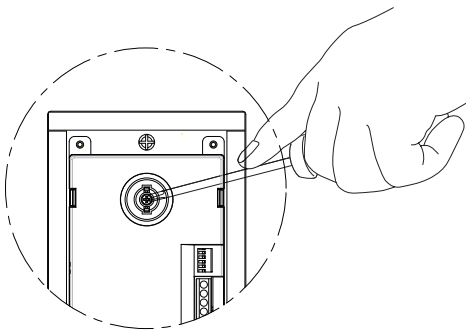# Door Station Mounting

Steps:
1. Drill a hole in appropriate size, then attach the mounting box to the hole.
2. Adjust the camera angle, and connect the cable correctly.
3. Attach the front panel to the mounting box.
4. Use the special spanner to move 90^0 to fix the front panel.

Adjusting Camera Angle

Use a screwdriver to loosen the screw and then adjust the angle of the camera ,then fix the screw.
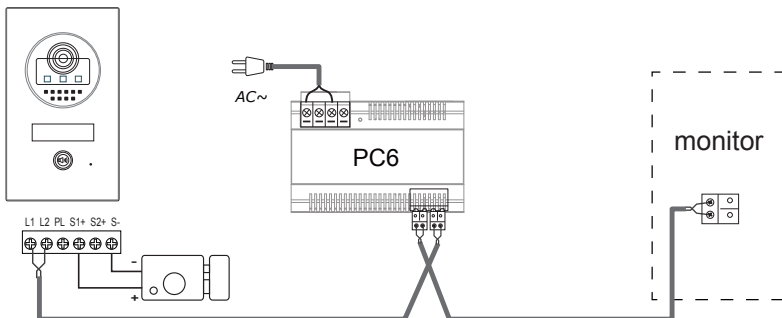
Placing Name Label
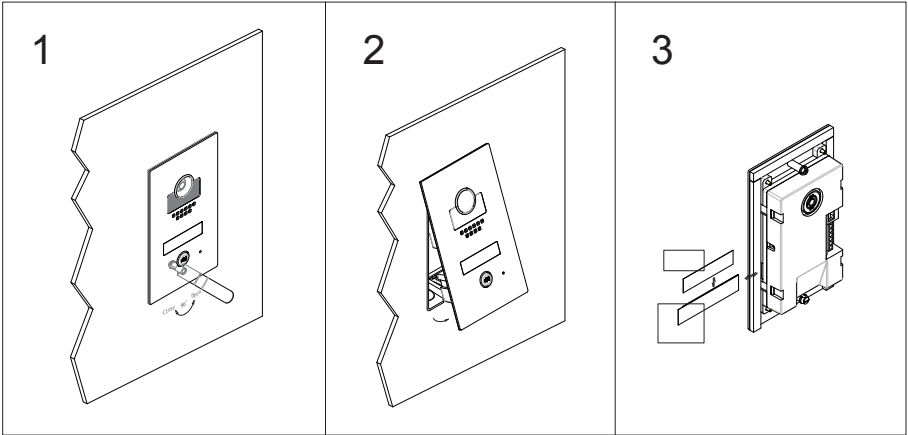
Steps:
1. Use the special spanner to move 90^0 to loosen the screw.
2. Open the front panel.
3. Insert the name plate

System Wiring and Connections
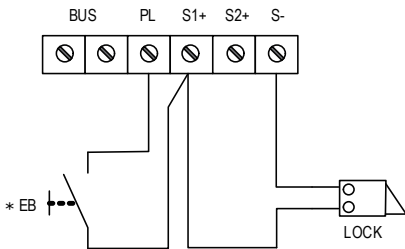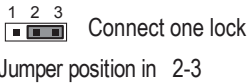
Basic one-to-one Connection

Electric Lock Connection
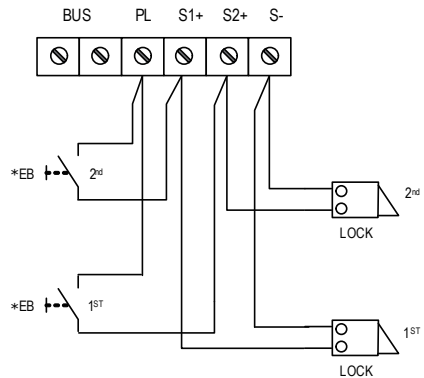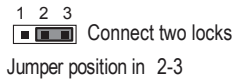
Door Lock Controlled with Internal Power

Note:
1. Electronic lock of Power-on-to-unlock type should be used.
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 **Unlock Mode** Parameter of Monitor must be set to 0 (by default).

connect one lock

```
 1  2  3
[■ ▄▄ ]  Connect one lock
```
Jumper position in 2-3

connect two locks

```
 1  2  3
[■ ▄▄ ]  Connect two locks
```
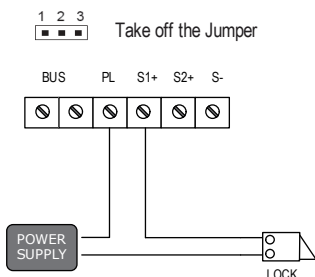Jumper position in 2-3

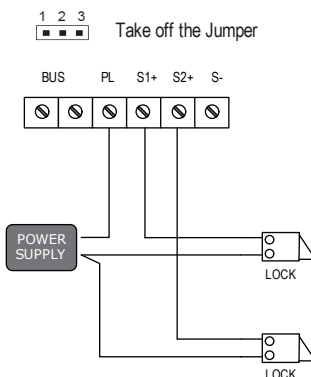Door Lock Controlled with Dry Contact

Note:
1. The external power supply must be used according to the lock.
2. Setup the **Unlock Mode** of Monitor for different lock types.

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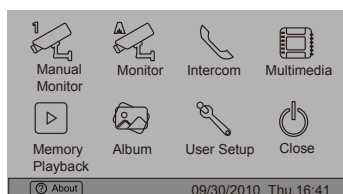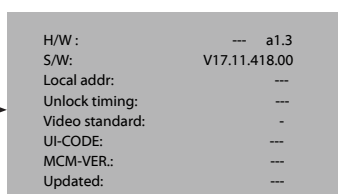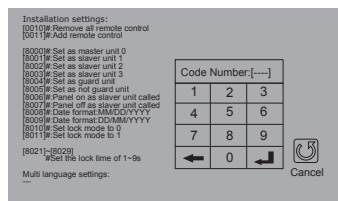- Power-off-to-unlock type:Unlock Mode=1

connect one lock

1 2 3 Take off the Jumper

BUS   PL   S1+   S2+   S-

POWER
SUPPLY

LOCK

connect two locks

1 2 3 Take off the Jumper

BUS   PL   S1+   S2+   S-

POWER
SUPPLY

LOCK

LOCK

5.2.3 Unlock parameter setting(set on monitor)

Manual Monitor   Monitor   Intercom   Multimedia

Memory Playback   Album   User Setup   Close

About   09/30/2010 Thu.16:41

1.Touch ⓘ About item on main menu page.

H/W :   --- a1.3
S/W: V17.11.418.00
Local addr: ---
Unlock timing: ---
Video standard: -
UI-CODE: ---
MCM-VER.:   ---
Updated: ---

2.Touch the screen anywhere and hold for 2s.

Installation settings:
[0010]#:Remove all remote control
[0011]#:Add remote control

[8000]#:Set as master unit 0
[8001]#:Set as slaver unit 1
[8002]#:Set as slaver unit 2
[8003]#:Set as slaver unit 3
[8004]#:Set as guard unit
[8005]#:Set as not guard unit
[8006]#:Panel on as slaver unit called
[8007]#:Panel off as slaver unit called
[8008]#:Date format:MM/DD/YYYY
[8009]#:Date format:DD/MM/YYYY
[8010]#:Set lock mode to 0
[8011]#:Set lock mode to 1

[8021]~[8029]
     #Set the lock time of 1~9s

Multi language settings:

Code Number:[----]

1	2	3
4	5	6
7	8	9
←	0	↵

Cancel

4.A digital keypad and setting instructions will be shown.

Installer setup   Caliber TouchScreen

Home
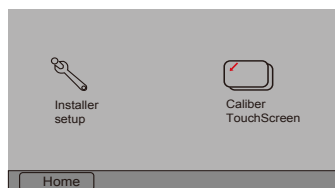
3.Touch Installer setup item

Note:
1.must connect correctly before setting.
2.the parameter will be saved in door station automatically,so you need only set on one monitor.
3.the above diagram is fit for icon menu series monitors only, to text menu series monitors,please refer to the corresponding user manual.

DIP Switches Setting

The DIP switch is designed to set the code for door station and monitor, there are two states for each DIP switch, please refer to the sketch map.

ON(1)	OFF(0)
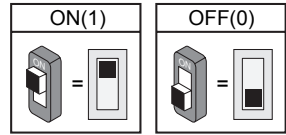
Door station DIP setting

Total 2 bits can be configured, bit-1 and bit-2 are used to assign ID code for door station.The switches can be modified either before or after installation.

| Bit state	Descriptions
	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.

Indoor monitor DIP setting

There are 6 bits in total. The DIP switches are used to configure the user code for Monitors.

Bit-6 is an video impedance match switch, which have to be set to ON if match the impedance, otherwise set to OFF.

Bit-1~Bit-5 are used to set user code, for DT597 door station, the user code should be set to 0~15.

Please refer to the following settings:

| Bit state	User code	Bit state	User code	Bit state	User code
ON 1 2 3 4 5 6	code=0	ON 1 2 3 4 5 6	code=6	ON 1 2 3 4 5 6	code=11
ON 1 2 3 4 5 6	code=1	ON 1 2 3 4 5 6	code=7	ON 1 2 3 4 5 6	code=12
ON 1 2 3 4 5 6	code=2	ON 1 2 3 4 5 6	code=8	ON 1 2 3 4 5 6	code=13
ON 1 2 3 4 5 6	code=3	ON 1 2 3 4 5 6	code=9	ON 1 2 3 4 5 6	code=14
ON 1 2 3 4 5 6	code=4	ON 1 2 3 4 5 6	code=10	ON 1 2 3 4 5 6	code=15
ON 1 2 3 4 5 6	code=5				

Specification

Power Supply : DC 24V (supplied by PC6);
Power Consumption: Standby 60mA; Working status 200mA;
Camera: 1/4 ACS 4T image sensor with DSP processor
Lock Power supply: 12Vdc, 300mA(Internal Power);
Working temperature: -10ºC ~ +45ºC
Dimension: 188(H)×110(W)×34(D)mm

Precautions

• Please clean the unit with soft cotton cloth, don't use the organic impregnant or chemical clean agent. If necessary, please use a little pure water or dilute soap 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 right adaptor which is supplied by the manufacturer or approved by the manufacturer.
• Pay attention to the high voltage inside the products, please refer service only to a trained and qualified professional.