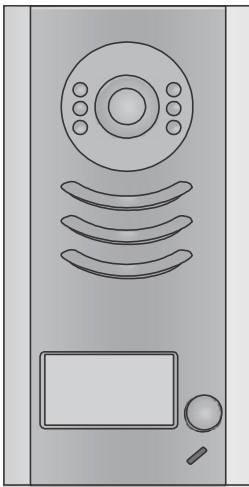


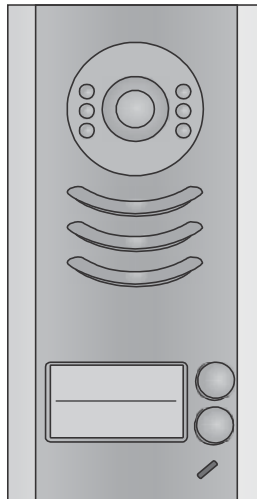


*easydoor*TM

DJ 1T/DJ 2T User Manual



DJ 1T

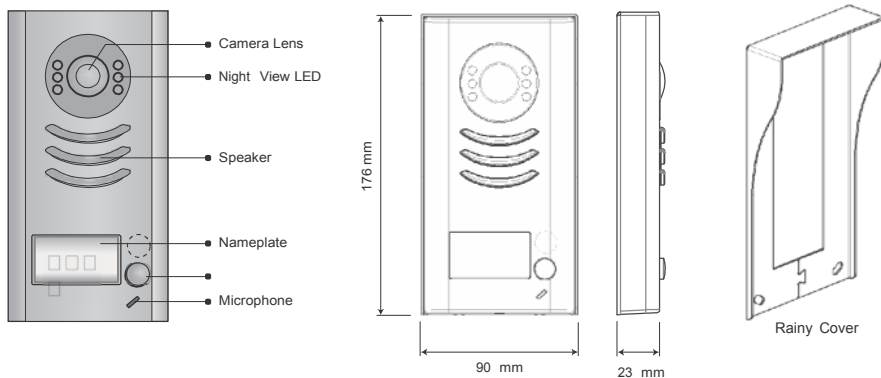


DJ 2T

CONTENTS

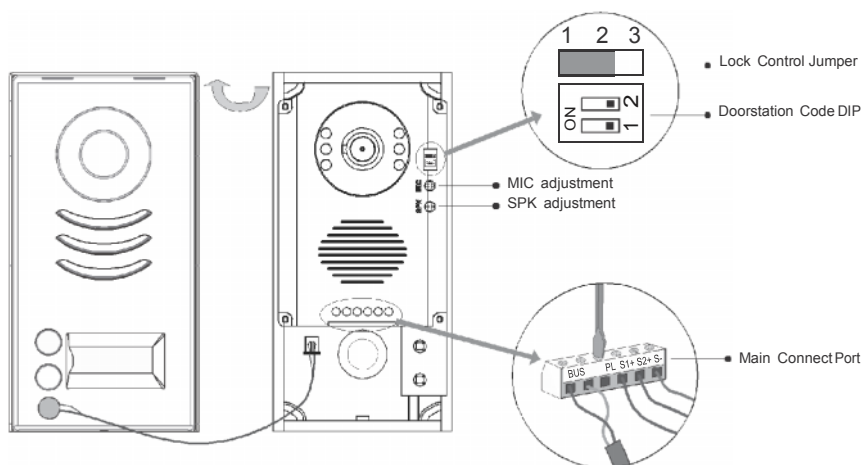
1.Parts and Functions.....	1
2.Terminal Descriptions	1
3.Specifications	2
4.Mounting.....	2
4.1 Mounting Without Rainy Cover.....	2
4.2 Mounting With Rainy Cover.....	3
4.3 Placing Name Label	3
4.4 Adjusting Camera Angle	4
5.System Wiring and Connections	4
5.1 Basic Connection.....	4
5.2 Electric Lock Connection.....	5
5.2.1 Door Lock Controlled with Internal Power	5
5.2.2 Door Lock Controlled with Dry Contact	5
5.2.3 How to setup the unlock parameter time and unlocking in Monitor.....	6
5.3 Multi Doorstations Connection.....	7
5.4 Multi Monitors Connection.....	8
5.4.1 Basic IN-OUT Wiring Mode	8
5.4.2 With VD 04 Wiring Mode	9
6.Setup	10
6.1 DIP Switches Settings of Doorstation.....	10
6.2 DIP Switches Settings of Monitor	10
6.3 Notices.....	12
7.Cables Requirements	13

1. Parts and Functions



Note: DJ 2T has two call buttons.

2. Terminal Descriptions



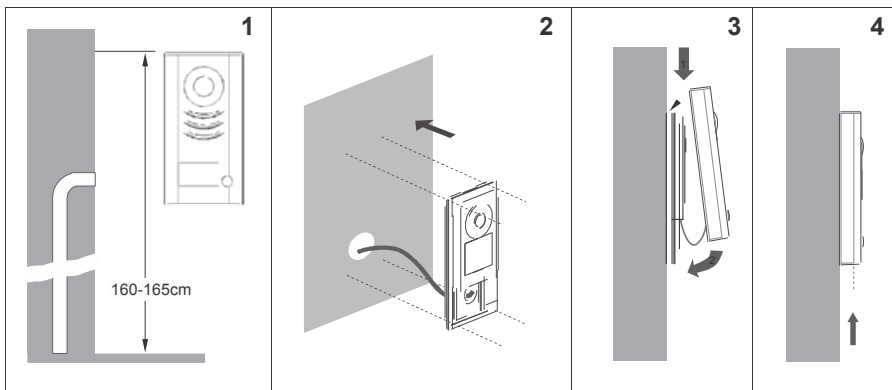
- **Lock Control Jumper:** To select the lock type: see 5.2.1 , 5.2.2
- **Doorstation Code DIP:** Total 4 doorstations can be supported,see 6.1
- **Main Connect Port:** To connect the bus line and the electronic locks.
- **BUS:** Connect to the bus line, no polarity.
- **PL:** External lock power input, connect to the power positive(power +).
- **S1+, S2+:** Lock power(+) output, to connect 2 locks.
- **S-:** Lock power(-) output, connect to the power(-) input of locks(only when using the camera to power the locks, if using the external power supply for the locks, the S- will not be connected).

3.Specifications

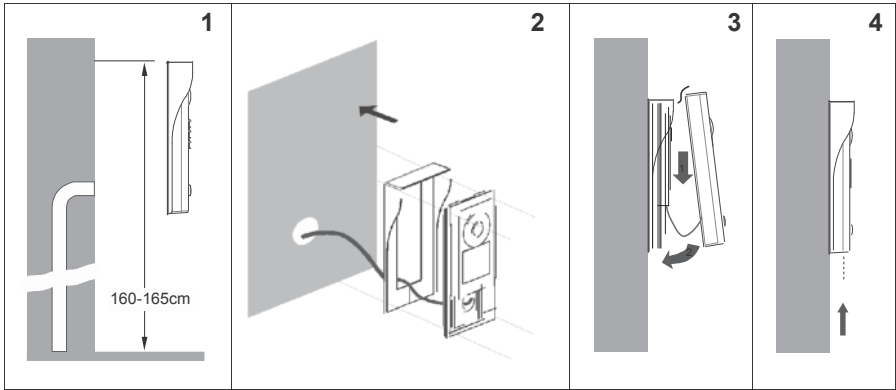
Lock Power supply:	12Vdc, 300mA(Internal Power)
Power Consumption:	1W in standby, 12W in working
NO, COM dry contact:	Max. 48V dc 1.5A
Unlocking time:	1 to 9 seconds, set by Monitor
Working temperature:	-10°C ~ 45°C

4.Mounting

4.1 Mounting Without Rainy Cover

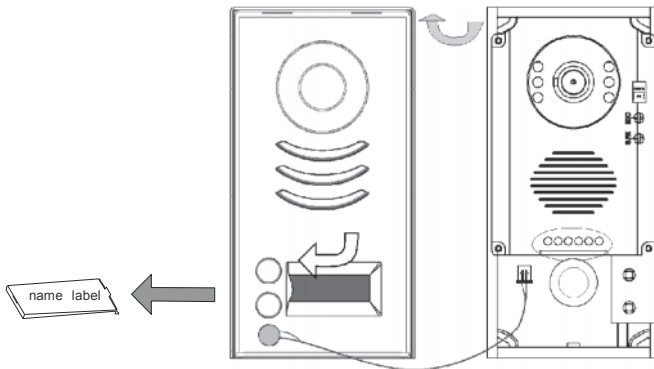


4.2 Mounting With Rainy Cover

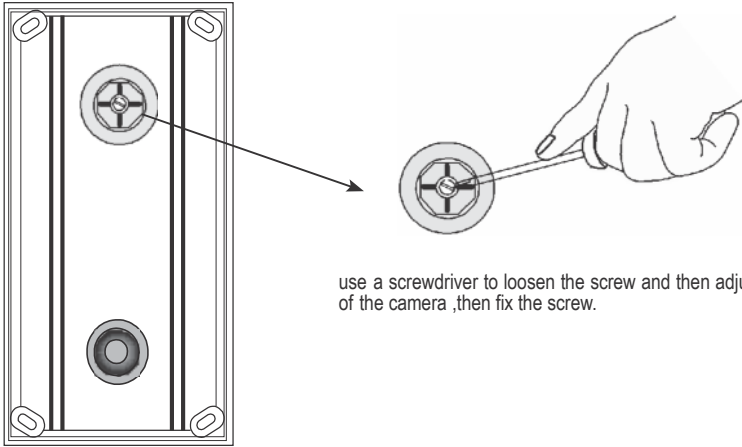


4.3 Placing Name Label

Move the plastic cover away to open the transparent name label cover, insert a name paper, then put the plastic cover back to the panel.

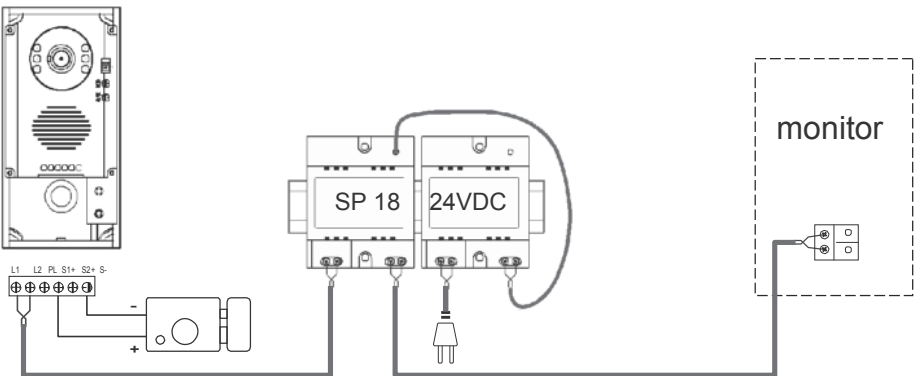


4.4 Adjusting Camera Angle



5.System Wiring and Connections

5.1 Basic Connection



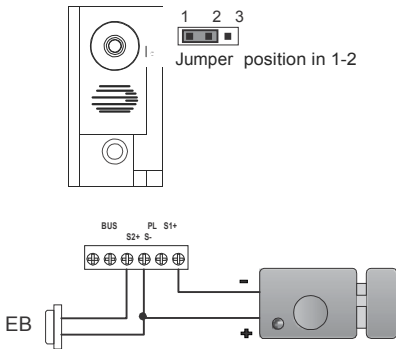
5.2 Electric Lock Connection

5.2.1 Door Lock Controlled with Internal Power

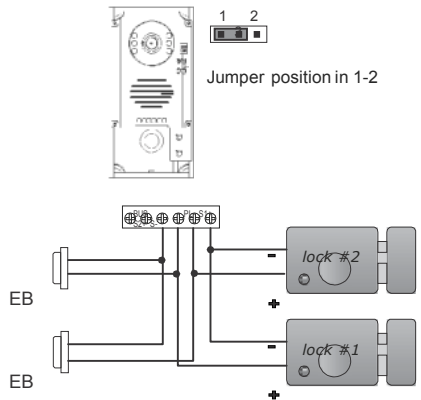
Note:

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



connect two locks

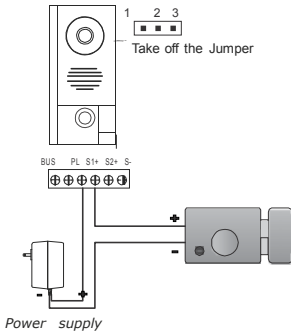


5.2.2 Door Lock Controlled with Dry Contact

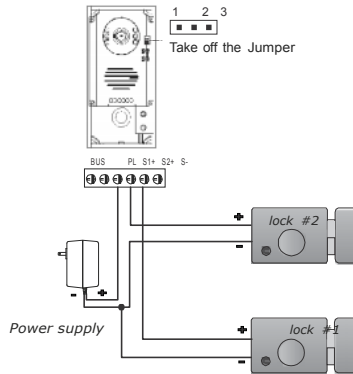
Note:

1. The external power supply must be used according to the lock
2. The inside relay contact is restricted to AC or DC 24V/3A
3. The jumper must be taken off before connecting
4. 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

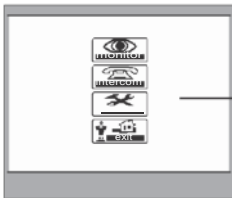
connect one lock



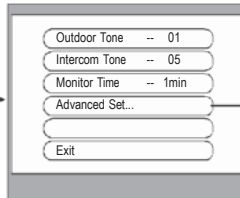
connect two locks



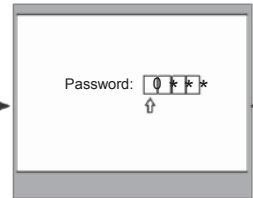
5.2.3 How to setup the unlock time and unlocking parameter in Monitor



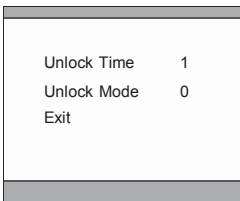
1. Press MENU button two times to enter the MAIN MENU page, then press setup item



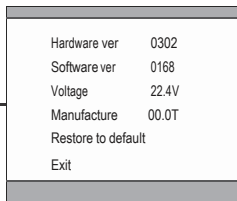
2. Select Advanced Set...item and press MENU button to enter, a password will be asked



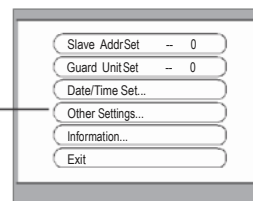
3. The default password is **** press ▲/▼ button to increase/decrease the value, Press ◀/▶ button to select the location, after finishing, press MENU button to enter next step.



6. Use ▲ / ▼ to select the item, use ◀ / ▶ to change the value of the item. select Exit item, press MENU button to save the settings automatically.



5. Press UNLOCK button and hold for 2s

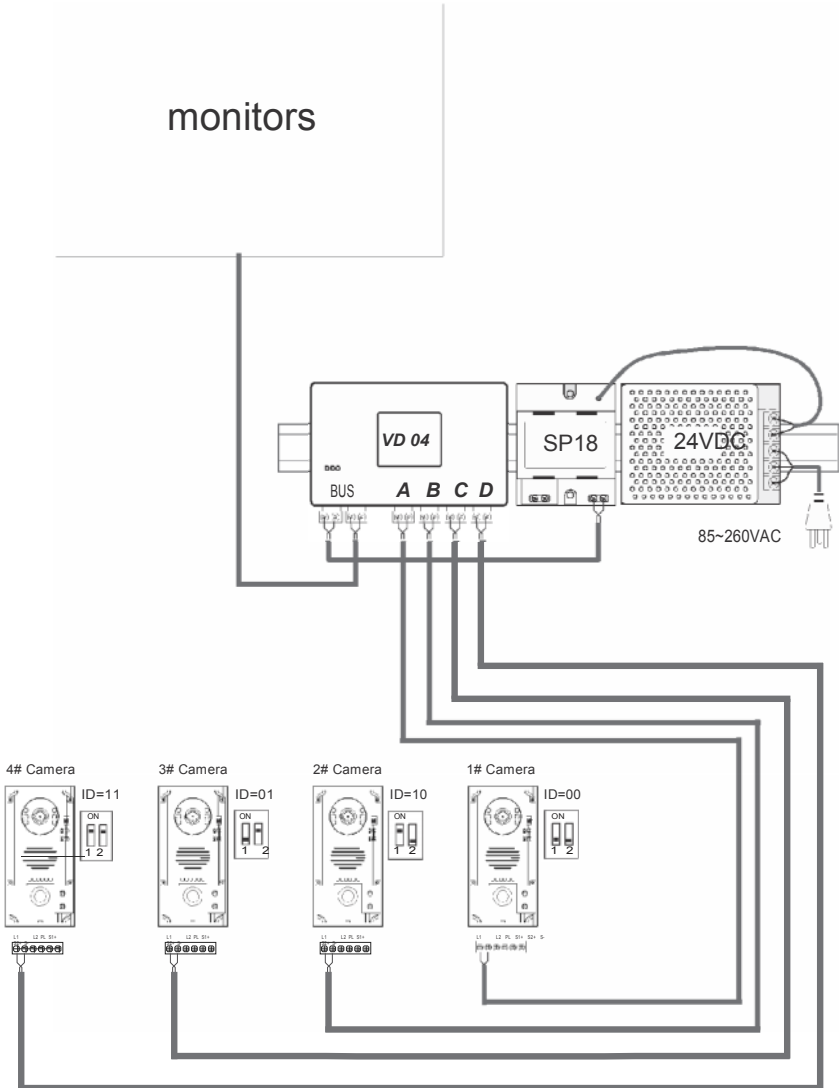


4. Select Information...item and press MENU button to enter next page.

Note:

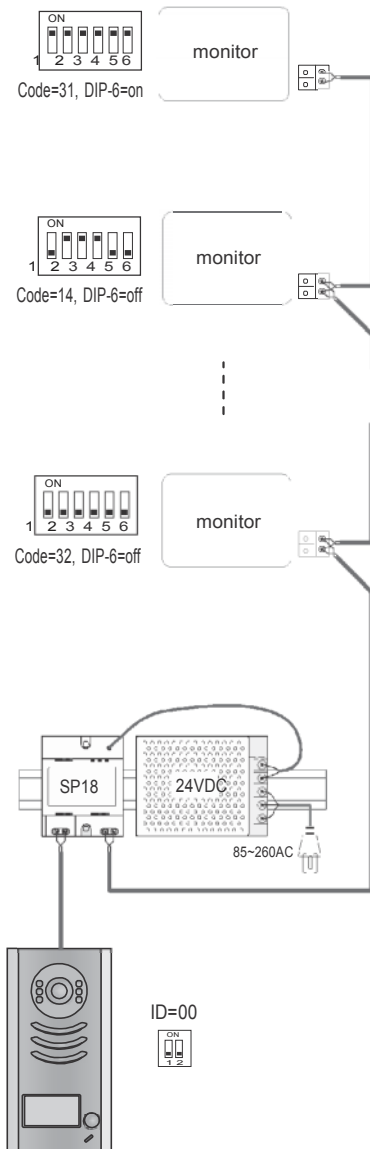
1. must connect DJ 1T/2T completely before setting
2. the parameter will be saved in doorstation automatically, so you need only set on one monitor

5.3 Multi Doorstations Connection

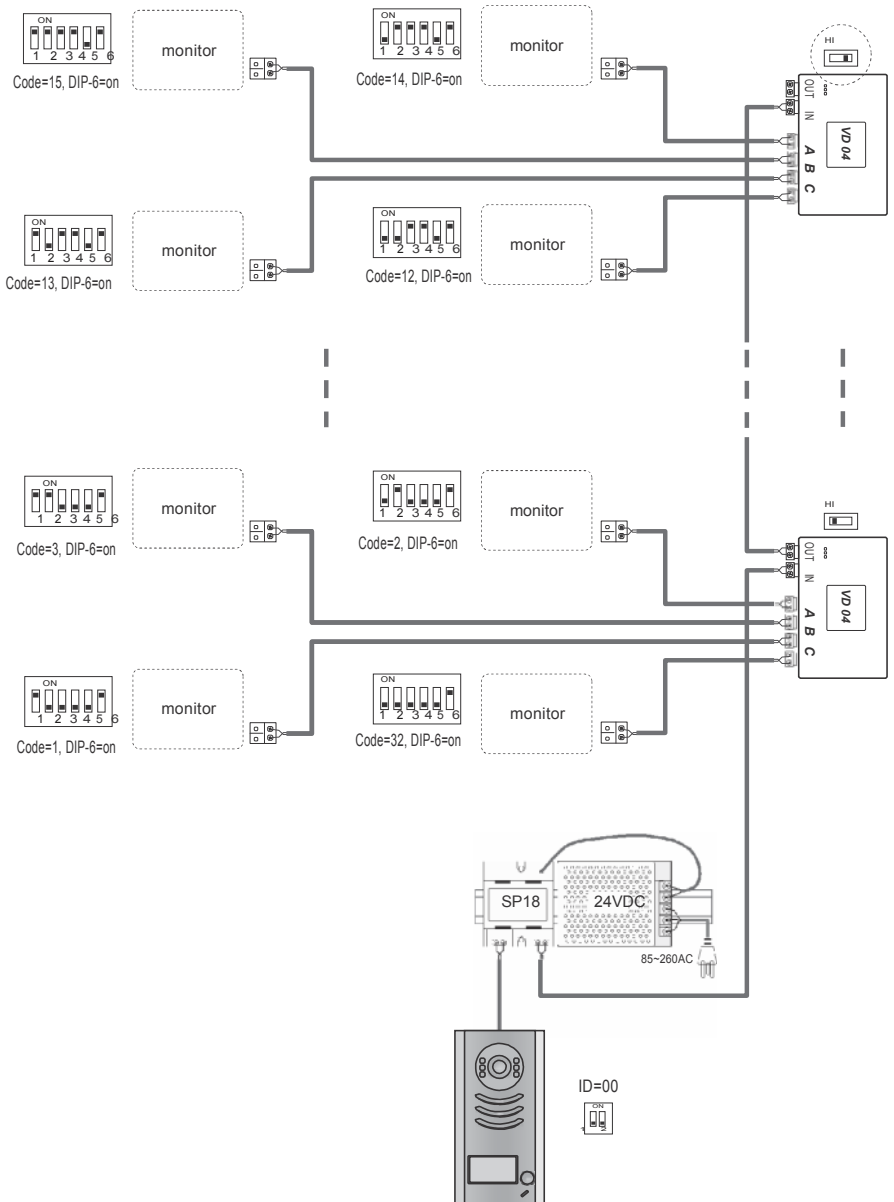


5.4 Multi Monitors Connection

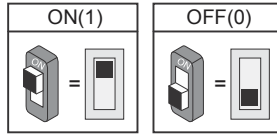
5.4.1 Basic IN-OUT Wiring Mode



5.4.2 With VD 04 Wiring Mode



6.Setup



6.1 DIP Switches Settings of Doorstation

Total 2 bits on the DIP switches can be configured. 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.

6.2 DIP Switches Settings of Monitor

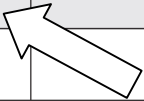
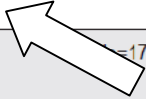
There are 6 bit switches in total. The DIP switches are used to configure the User Code for each Monitor.

Bit-6 is line terminal switch, which have to be set to ON if the Monitor is in the end of the line(bus), otherwise set to OFF.

Bit state	Setting	Bit state	Setting
	The monitor is not at the end of the bus.		The monitor is at the end of the bus.

Bit-1 to Bit-5 are used to User Code setting. The value is from 1 to 32, which have 32 different codes .

Bit state	User Code	Bit state	User Code	Bit state	User Code
	Code=1		Code=12		Code=23
	Code=2		Code=13		Code=24
	Code=3		Code=14		Code=25
	Code=4		Code=15		Code=26
	Code=5		Code=16		Code=27
	Code=6		Code=17		Code=28
	Code=7		Code=18		Code=29
	Code=8		Code=19		Code=30
	Code=9		Code=20		Code=31
	Code=10		Code=21		Code=32
	Code=11		Code=22		



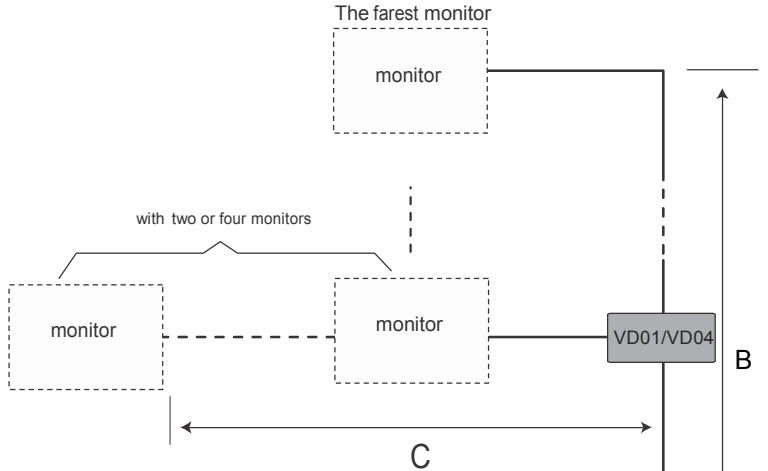
Note: Monitors response button A must set the user code to 32, and button B set the user code to 16.

6.3 Notices

Name	Discription	Useage
24VDC	Power supply,85~260Vac input,24Vdc/>3A output,	Connect with multi doorstations or multi monitors(up to 2 or above)
PS 1A	Power supply,85~260Vac input,24Vdc/1A output,for basic kit only,4 DIN modules	Connect with one doorstation and one monitor(VM 35 can be connected two)

7. Cables Requirements

The maximum distance of the wiring is limited in the easydoor system. Using different cables may also effect the maximum distance the system can reach.



When 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

When 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

