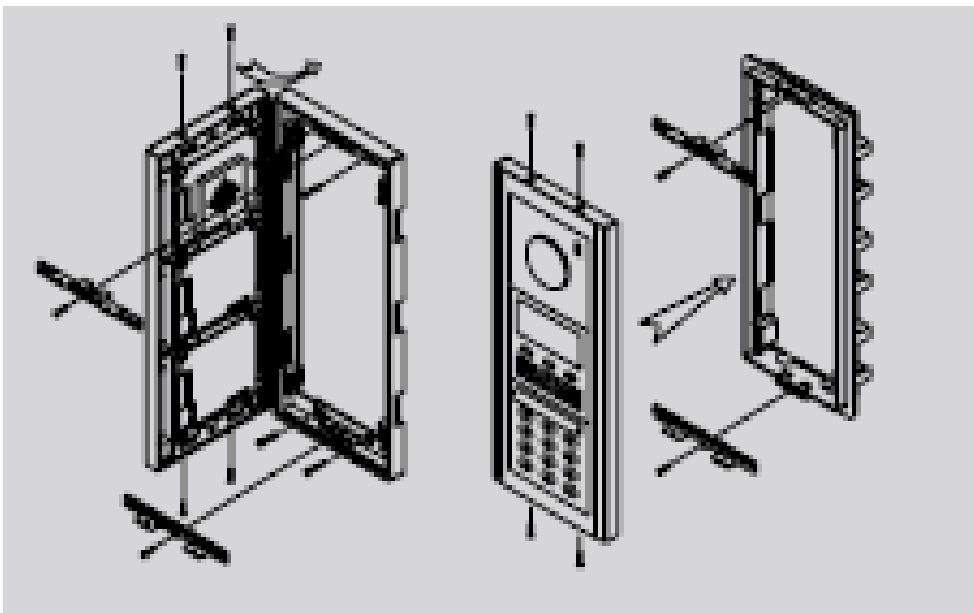


# ***DRC-OSC/OSB Installation Manual***

## **1. Features**

- 1) LCD size : 128x 64 (key pad type)
- 2) Function of door release
- 3) Connect up to 4 Multi Entry Panels with outside distributor (CCU-OS).
- 4) Night automatic illumination - white LED illumination (built-in Camera)
- 5) Manual camera angle control
- 6) Full duplex
- 7) Power source : DC24V~DC28V
- 8) Temperature limit : -10 +40
- 9) Dimension : 140(W)x341(H)x44(D)

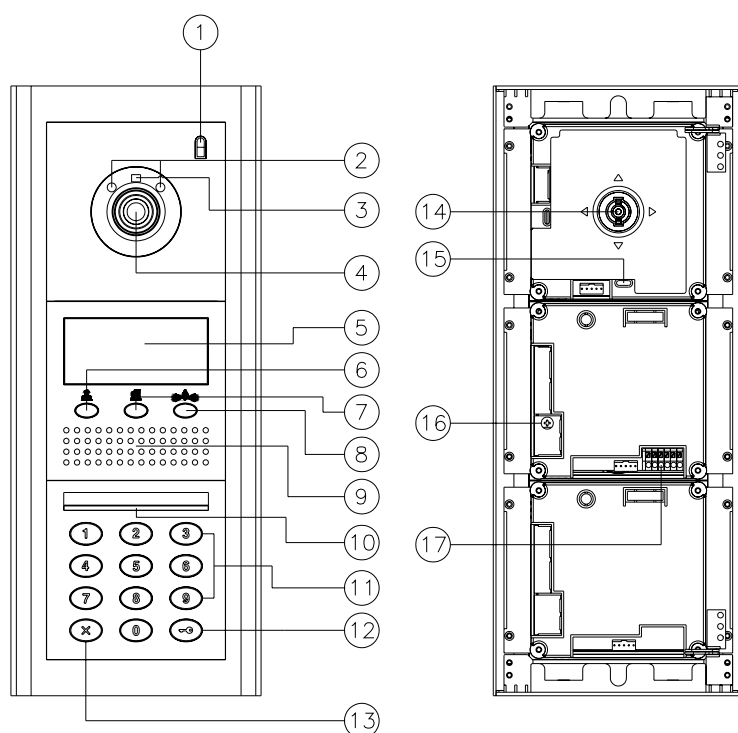
### Installation



Surface Mount Type

Flush Mount Type


## 2.Part Names and Functions.



No.	Contents	No.	Contents
1	C-MIC	10	Power status and Light night lamp
2	Lamp for CCD Camera	11	Dial button
3	CDS Sensor	12	Key Button
4	CCD Camera	13	Cancel button
5	LCD Display	14	Camera angle control
6	Guard Call button.	15	Terminal for door release
7	Building Distributor	16	Volume control of receiving call
8	Call button	17	Connection terminal with CCU-OS
9	Speaker		

**This is the Entrance unit that is connectable to up to 4 units with a Outside Distributor(CCU-OS) . It can be connected with the outside distributor unit (CCU-OS) which connects 4 devices through it and this is multi house system be connected with residence via a outside distributor (CCU-OS), a building distributor (CCU-BS) and a floor distributor (CCU-FS).**

### 3. Calling In-house units by resident Number.

- 1) Press the buttons of building number and then Press “building button ,No7”
- 2) Press the buttons the residence number that you want and then Press “”
- 3) After the residence answers, you can talk with the in-house unit.
- 4) “Beep” will sound in the cause of a wrong number,
- 5) “Line Busy” is indicated on the LCD of Multi Entry panel when already talking with others through the Panel.

### 4. Calling guard station (When connected with guard station).

- 1) Press “guard” button or program number “9999” to call a guard station.
- 2) “Door release” is available when you ask the guard to be opened.
- 3) “Line Busy” is indicated on the LCD of Multi Entry panel when already talking with others through the guard station.







### 5. Calling/talking duration

- 1) Calling duration lasts for 30 seconds.
- 2) Talking duration lasts for 60 seconds.
- 3) Press (X) button to end.

### 6. Open the entrance with PIN Number

Note: The door isn't open by default password “1234”.

Only after changing default Password to new one, you can use this function.

- 1) Open the entrance by resident PIN number.  
Press building number and “building” button.  
Press resident number and “” button.  
Press PIN number and the “” button.
- 2) Open the entrance by building PIN number.  
Press building number and “building” button.  
Press number “9900” and “” button.  
Press PIN number and “” button.
- 3) Open the entrance by outside PIN number.  
Press number “9999” and “” button.  
Press PIN number and “” button.


The door is opened with the “OPEN” message displayed on the LCD screen.



### 7. Setting the ID for Multi-Entry Panel

The default of all Multi Entry Panels is assign to “0”.

The ID and Password of the Multi Entry Panel should be changed to an assigned value ,1 to 4 from its default “0” to an assigned value of 1 to 4 after completing the installation of a Multi Entry Panel.





(For example : CH1→ID:1, CH2 →ID:2, CH3 →ID:3, CH4 →ID:4 )

- 1) Hold “” button for 2 seconds and then release when the LCD stops blinking.





- 2) When “Password?” message appears on the LCD, enter the password for the Building and press the “” button.
- 3) When “ID: “ message appear on the LCD, enter the number from 1 to 4 in order.
- 4) Then press the “” button to complete ID setting.

## 8. Changing the password.





### 1) Changing Resident Password

Press “Building Number” and “building button”  
 Enter “Residence Number”  
 Hold “” button for 2 seconds and then release when LCD stops blinking.  
 Enter “Current password”.  
 Hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New Password” with 4 digits on Multi Entry Panel displaying “NEW PW : ”message.  
 Hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New password” again to confirm it.  
 Hold “” button for 2 seconds and release when LCD stops blinking.

### 2) Changing Building Password (default password : “4321”)

Press “Building Number” and “building button”  
 Enter “9900” and then hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “current password” and then hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New Password” with 4 digits on Multi Entry Panel displaying “NEW PW : ”message.  
 Hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New Password” with 4 digits on Multi-Entry Panel displaying “NEW PW : ”message.  
 Hold “” button for 2 seconds and release when LCD stops blinking.

### 3) Changing Outside Password (default password : “4321”)

Enter “9999” and then hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “current password” and then hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New Password” with 4 digits on Entry Panel displaying “NEW PW : ”message.  
 Hold “” button for 2 seconds and release when LCD stops blinking.  
 Enter “New Password” with 4 digits on Entry Panel displaying “NEW PW : ”message.  
 Hold “” button for 2 seconds and release when LCD stops blinking.

### 4) Initialization of building password

- \* All the information of Building Passwords is stored in the Building Distributor.(CCU-BS)  
 Shut off the Building Distributor and open the unit’s case.  
 While pressing “SW2”, turn on the Building Distributor and the password will initialize to “4321” and the Lamp will blink for 3 seconds.

### 5) Initialization of password.

- \* All the information of outside passwords is stored in the Outside Distributor.(CCU-OS)  
 Shut off the Outside Distributor and open the unit’s case.  
 While pressing “SW2”, turn on the **Outside** Distributor and the password will initialize to “4321” and the Lamp will blink for 3 seconds.

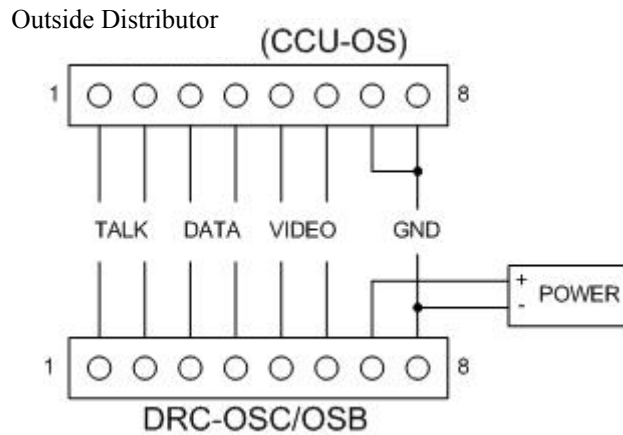
## 9. Connectable Products

- 1) Outside Distributor(CCU-OS) : One Outside Distributor is connected up to 4 Multi Entry Panels and 1 guard station.
- 2) Building Distributor(CCU-BS) : One Building Distributor is connected to up to 4 Multi Entry Panels , Outside Distributor, Floor distributor and Audio type guard station unit.  
 (Building Serial Numbers are allocated to each Buildings Distributor by its Dip Switch )
- 3) The Floor Distributor(CCU-FS) : one Floor Distributor can connect to up to 4 residences on each floor.

- 4) In-house unit: master unit can connect to up to 2 Sub-units per residence.
- 5) Audio type unit(Guard station): this unit can be used by residences as a external unit like a Guard station (Only receiving call is available)

## 12. Wiring and System Diagram

### 1) Wiring Diagram

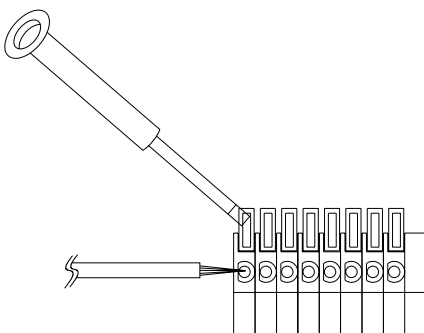


### 2) Wiring

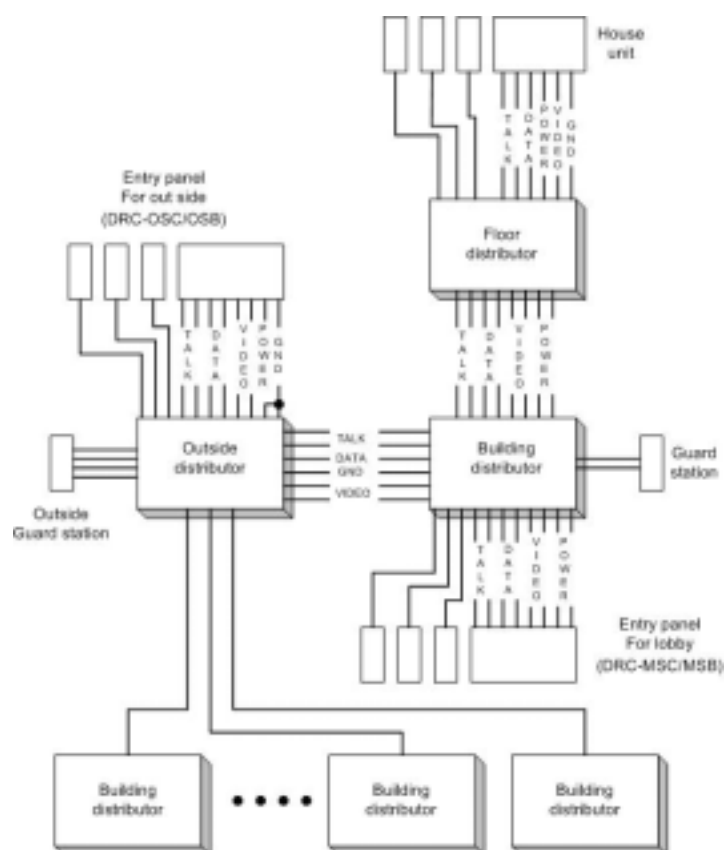
Please pay attention to the polarity of the wires. Units will not work properly when mis-wired  
 DC-24V~28V is needed for DRC-OSC/OSB  
 Cable for DRC-OSC/OSB is UTP(0.5).

Multi Entry Panel	Build distributor
ID : 1	Terminal 1
ID : 2	Terminal 2
ID : 3	Terminal 3
ID : 4	Terminal 4

When wiring, please use a tool like a screwdriver.



### 3)System diagram



## 11. Specification

Item	DRC-OSC/OSB		
Wiring	To Outside Distributor: 8-wire(talk 2, Data 2, Video 2, Power 1, GND 1)		
Power voltage	DC 24V~28V 1A ( RF -2A)    Power should be supplied separately		
Transmission Method	Duplex System		
Screen dimension	128x64 GRAPHIC LCD		
Power requirement	Standby : 60mA		
	Maximum : 450mA		
Distance range (to Build Distributor )	From Outside distributor (CCU-OS) to Outside entry panel	UTP(Φ0.5)	300m
CCD Lamp Operating Range	5Lux ± 3 Lux		