COMMAX

User Manual

OUT SIDE DISTRIBUTOR CCU-OS

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COMMAX Co.,Ltd.

- Thank you for purchasing COMMAX products.
- Please carefully read this User's Guide (in particular, precautions for safety) before using a product and follow instructions to use a product exactly.
- The company is not responsible for any safety accidents caused by abnormal operation of the product.

Table of Contents

Warnings and caution

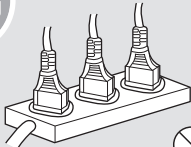◎ **Make sure to follow the instructions to prevent any danger or property losses.**

⚠ **Warning** Death or serious injury is expected.

🚫 It indicates prohibition.

It indicates prohibition of disassembly.

It indicates prohibition of contact.

❗ It indicates dos and don'ts.

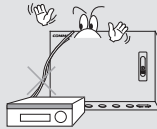It indicates that the plug should be pulled out from the socket.

Warning

Prohibition

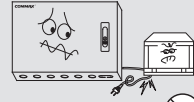**Do not put the plug in the socket simultaneously.**
It may generate abnormal heat or cause a fire.

Prohibition

Do not connect to other products while in use.
It may cause breakdown.

Prohibition

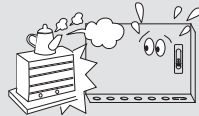**Do not forcibly bend the cord or put a heavy object on the product.**
It may cause a fire.

Prohibition

Do not use water, thinner or a detergent used to wash oil products when you wash the exterior.
Make sure to wash it by using a dry cloth to prevent any breakdown or electric shock.

Prohibition

Do not install the product in a humid place.
It may cause an electric shock or a fire.

Prohibition

Do not forcibly pull out the cord from the socket.
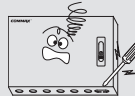If the cord is damaged, it may cause a fire or an electric shock.

Do not contact.

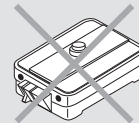**Do not put the plug in the socket with a wet hand.**
It may cause an electric shock.

Do not disassemble

Do not disassemble, repair or modify the product.
It may cause a fire, an electric shock or an injury due to malfunction of the product.

❗

Do not use AC circuit breaker.
It may cause an electric shock.

Warnings and caution

⚠️ **Caution** An injury or property losses are expected

🚫 It indicates prohibition.

🚫 It indicates prohibition of disassembly.

🚫 It indicates prohibition of contact.

❗ It indicates dos and don'ts.

🔌 It indicates that the plug should be pulled out from the socket.

Caution

"The socket holes are larger than usual"

Prohibition

If the socket holes are larger than normal, do not put the plug.
It may cause an electric shock or a fire.

Prohibition

Make sure that dust or foreign substances are not gathered on the product.

Prohibition

Make sure to prevent foreign substances from entering the product.
It may cause a breakdown.

Do not put a heavy object on the product.
It may cause a breakdown.

Prohibition

Do not disassemble or give an impact to the product.

Avoid direct rays of the sun or heating devices at a time of installation.

OK

Install the product in a flat and stable place.
Otherwise, it may not function properly.

Pulling the plug

Pull the plug if the product is not used for a long time.

Pulling the plug

If the product generates strange sound, make sure to pull the plug immediately and contact Commax service center.

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1. Features

This is outside distributor which is connected with outside panel (DRC-OSC/OSB).

① Connect up to 4 Multi Entry Panels (DRC-OSC/OSB).

② Connect up to 12 building distributor (CCU-BS).

③ Connect with outside guard station.

④ Need separate power source (DC14V) for outside distributor (CCU-OS).

⑤ Need separate power source (DC 24V,1A) for outside entry panel (DRC-OSC/OSB)

2. Initialization of PIN in outside distributor.

* All the information of Outside password is stored in the outside distributor (CCU-OS).

1. Shut off the Outside Distributor and open the unit's case.

2. While pressing "SW2" power on the Outside Distributor and the password will initialize to "4, 3, 2, 1" and the Lamp will blink for 3 seconds.

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3. System diagram and wiring
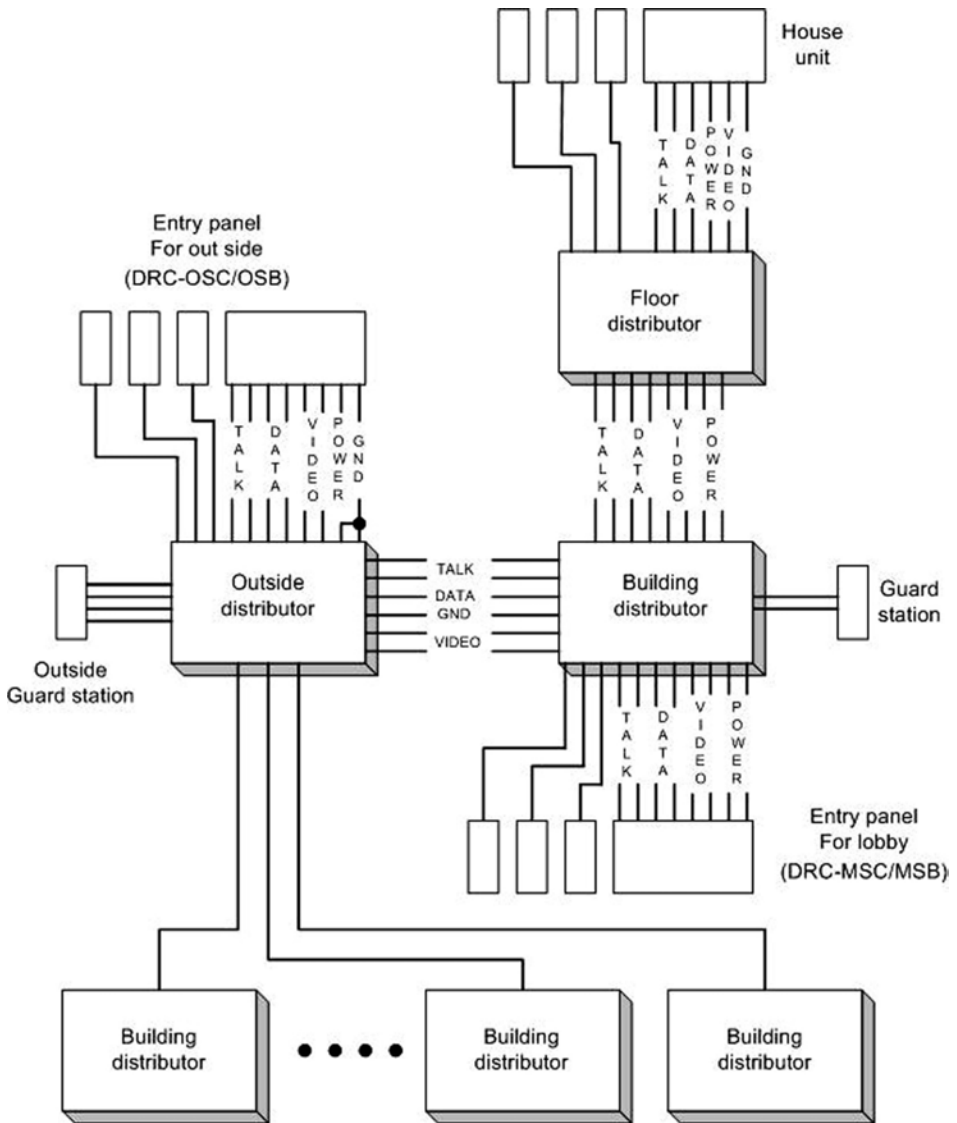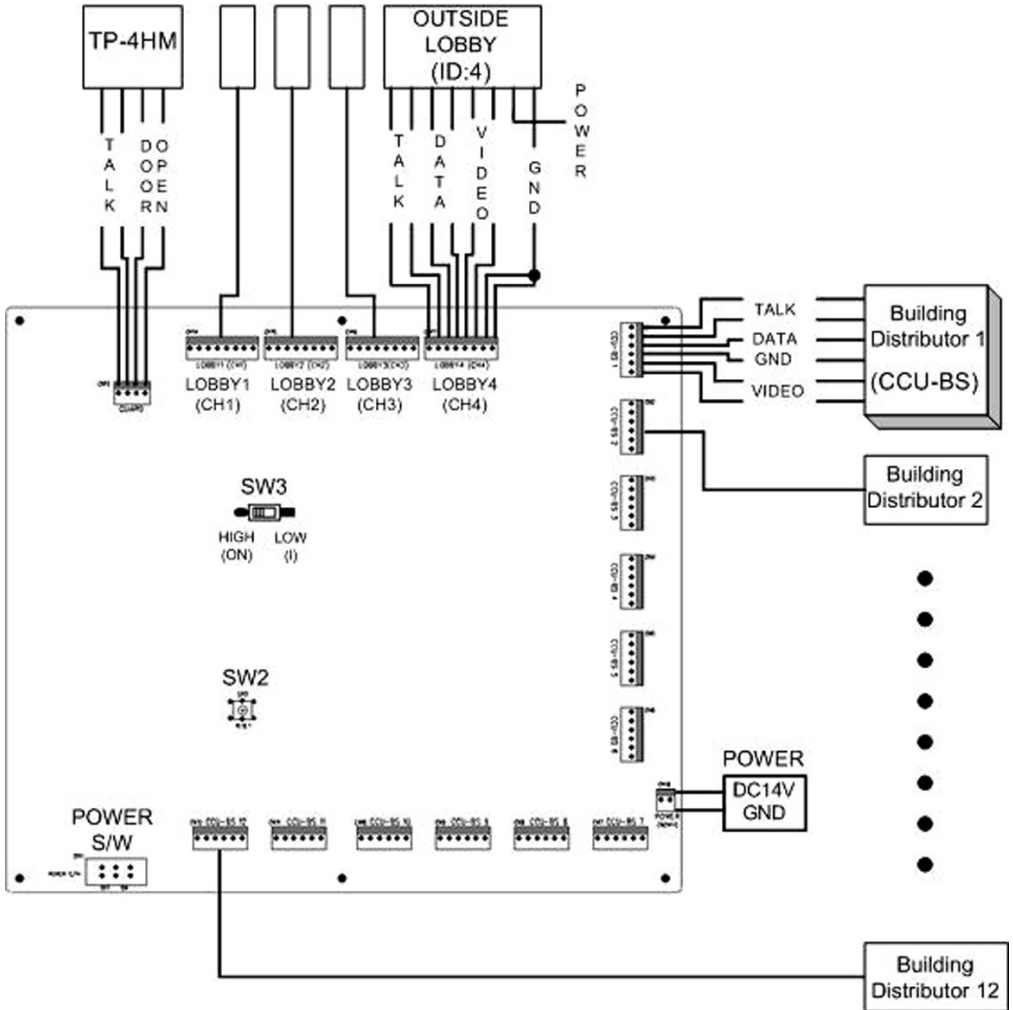
♠ CCU-OS system diagram (Total 12 buildings)

B/D #1   B/D #1   B/D #1   B/D #1

Entry panel

CCU-OS

Out-side Entry Panel
DRC-OSC/OSB
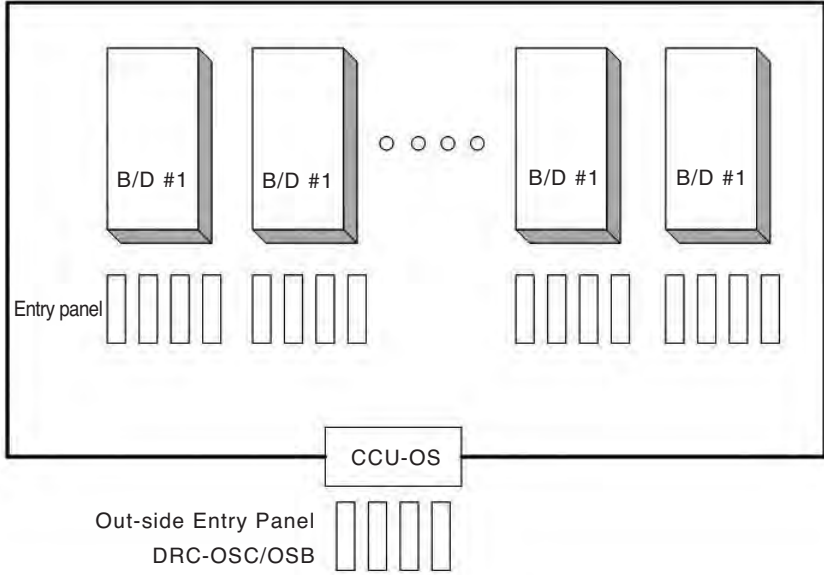
♠ CCU-OS systemwiring

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♠ CCU-OS Wiring

Entry panel for outside
(DRC–OSC/ OSB)

♠ Wiring method and Terminal Functions of CCU-OS

☞ Terminals in CCU-OS should be connected to Entry Panel as follows.

CCU-OS   Entry Panel

Lobby1 ⇒ Assigned ID 1

Lobby2 ⇒ Assigned ID 2

Lobby3 ⇒ Assigned ID 3

Lobby4 ⇒ Assigned ID 4

☞ CCU-OS to DRC-OSC/OSB : 8 wires (Talk 2,Data2,Video 2,GND 2)

☞ Separate power is needed for CCU-OS(14V/3A) which is already installed
  inside(AC-100~240V,50~60Hz)

☞ CCU-OS to CCU-BS : 6 wires(Talk 2, Data1,GND 1, VIDEO 2).

♠ Connector and its description on CCU-OS

☞ CN1~CN12 : Terminal to connect with CCU-BS

☞ CN13 : Guard station (Audio Type)

☞ CN14~CN17 : Out-Side Entry Panel(DRC-OSC/B)

☞ CN18 : POWER(DC14V/3A)

☞ SW1 : Power Switch

☞ SW2 : Reset switch of PIN to Default.

☞ SW3 : Put "low" position within 100m distance between CCU-OS and
  Out-Side Entry Panel
  Put "high" "position in more than 100m distance between CCU-OS and
  Out-Side Entry Panel

4. Specification.

	CCU-OS
Wiring	CCU-OS : 8 wire (Talk2, Data2, VIDEO 2, GND 2) CCU-OS –CCU-BS : 6 wire (Talk2, Data1, GND1, VIDEO 2)
Power voltage	14V/3A (AC100~240V, 50~60Hz Including Power supply)
Power requiremen	Standby : 50mA Maximum operation: 300mA
Distance range	From CCU-OS to Outside Entry Panel(300m) : UTP(0.5) From CCU-OS to CCU-BS(300m) : UTP(0.5)

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