

Since 1968

COMMAX
SmartHome & Security

User Manual

Nurse Call system CNS-812MD



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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.



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1. Introduction

The model number is located on the bottom. Please record the serial number in the space provided below. Refer to these numbers whenever you call upon your COMMAX dealer regarding this product.

Model No. _____

Serial No. _____

To prevent fire or shock hazard, do not expose the unit to rain or moisture.



This symbol is intended to alert the use of uninsulated “**dangerous Voltage**” within the product that may cause the insufficient magnitude to constitute a risk of electric shock to persons.



This symbol is intended to alert the use to the presence of important operating and maintenance(servicing) instructions in the literature accompanying the appliance.



caution

Risk of electric shock
do not open



CAUTION: To reduce the risk of electric shock, do not remove cover (or back cover) no user-serviceable part inside. Refer service to the service personnel



2. Cautions

- ▲ Do not install it to extremely hot or cold places.



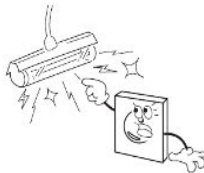
If used at a place where the temperature is higher than 40 °C or lower than -10 °C, it may cause deterioration of image quality or failure. Pay attention to the ventilation, especially when installing in a hot place.

- ▲ Do not install it under humid environment.



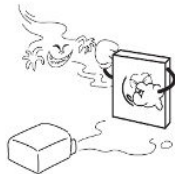
Installing in a humid place will cause deterioration of the lens and cause low quality image.

- ▲ Do not install it to the flickering place.



Malfunctions may occur in high illumination changing areas, such as unstably flickering lightings.

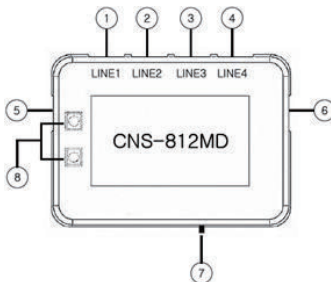
- ▲ Do not install it to the place where it will be exposed to oil and gas.



Malfunctions may occur when oil or gas permeate to the products.



3. Parts of Product



- ① LINE1 (Group_1 port) : Connect to Sub Group(1)'s Master port.
- ② LINE2 (Group_2 port) : Connect to Sub Group(2)'s Master port.
- ③ LINE3 (Group_3 port) : Connect to Sub Group(3)'s Master port.
- ④ LINE4 (Group_4 port) : Connect to Sub Group(4)'s Master port.
- ⑤ Master Console port : Connect to Master CNS-70MN.
- ⑥ Display port : Connect to external display device.
- ⑦ Protocol Select Switch : Select protocol for external Display device
(RS-232 ← . → RS-485)
- ⑧ Power port (Option)
: When additional power is required. Add CNS-PSM for system expansion.



4. How to use

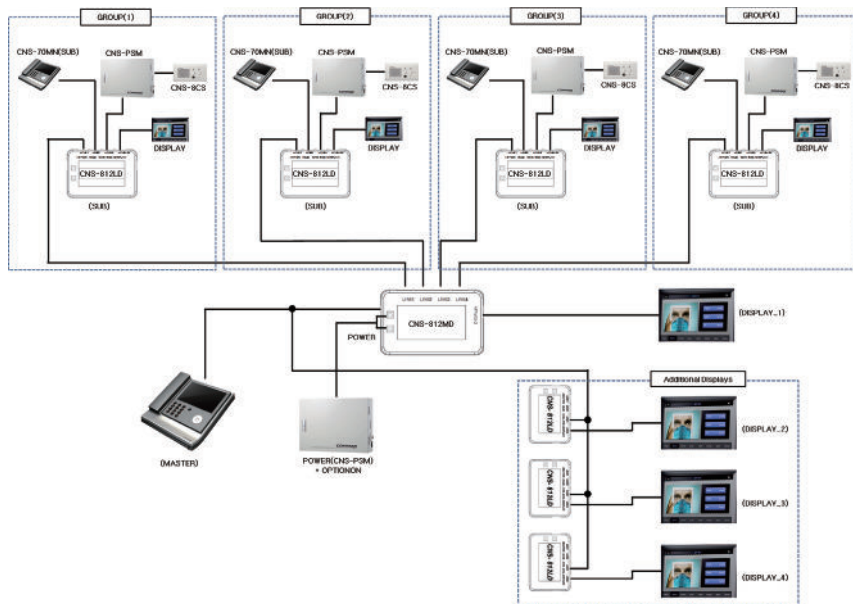
- If the main receiver of the nurse in the sub group cannot respond or it is difficult to handle,
It is possible to respond and process with the master main receiver.
- Master main receiver receives calls and emergency situations of the connected Sub group.
It is received at the same time as the existing sub receiver and can be processed
in the same way as the sub main receiver.
(If the master receiver receives it, the sub receiver is in standby state.)
- Call the nurse's office from the bed / In case of an emergency, etc.,
- A call or emergency situation occurs at the same time at the Sub main receiver
and the Master main receiver. Sub or Master can be received and processed by the main receiver.
(If the master receiver receives it, the sub receiver is in standby state.)\
- You can the beds connected to each sub from the master main receiver.
- Emergency call receiving from each bed which is connected to each sub is available from
the master main receiver.
- Mutual call/ between Master and Sub or between Sub and Sub is not provided.



5. System structure

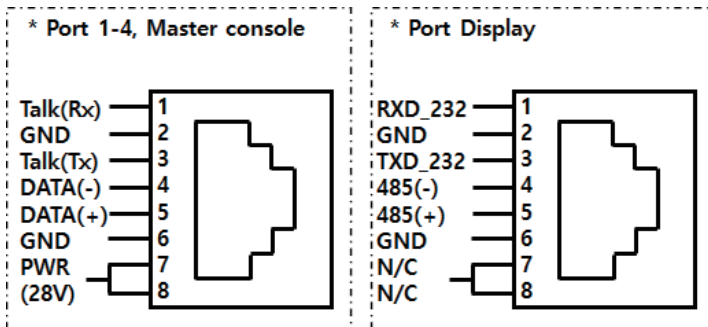
* Remark

1. Pay attention to the wiring of the product.
2. Connect the appropriate devices to each port of CNS-812LD.
3. Connect the line connected to the master terminal of each sub group (CNS-812LD) to the corresponding Group Port (LINE1~LINE4) of the CNS-812MD.
4. Select the communication method (RS-232 or RS-485) when connecting the DISPLAY device. Select it and use it according to the communication method.
5. External Power Connection Port(Optional)
 - If additional power is required, add CNS-PSM to add DC power of CNS-PSM expansion is possible.





6. Wiring Method and user guide



- Please pay attention to the wiring when wiring.
- For each port, connect the device and group line.
- Up to 4 sub groups can be connected per one master device (CNS-812MD).
- One main receiver for Sub can be connected for each Sub group.
- Connect one extension device (CNS-812LD) for each sub group.
- For each port, connect the corresponding Group Line and the corresponding device.
- The external display is connected as a separate device. (Depending on the site situation.)
- External display devices can be expanded up to 3 units.
(CNS-812LD must be additionally installed when expanding the DISPLAY device.)



7. Specification

Model Name	CNS-812MD
Product	Nurse Call System Distributor
Power	DC 29V
Wire	UTP (CAT. 5E, 24 AWG)
Mounting	Stationary
Dimension(mm)	106(W) x 76(H) x 44(D)



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