REANIMED
HEALTHCARE SYSTEMS



NURSE CALL SYSTEM

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1-System Components

All units in the wired nurse call system are interconnected by cable. Units in the room can be connected to the room control unit and work locally, at the same time, all room controls can be connected to the instrument panel with a single BUS line.

A room Control Unit can be connected to three patient units, one Toilet Call Unit, one corridor lamp and one code call unit. A maximum of 63 room control units can be connected to a BUS line.

Up to 9 beds can be shown at the nurse's consul using 3 rooms control in a room. Blue Pink and White codes can be initiated with 1 code call unit in each room.



Nurse Panel

* Up to 63 room control units can be connected.
* Four Digit room number and one digit bed number or call type indicator.
* It can show five different calls at the same time according to the urgency.
* It gives audible and visual warnings at different intervals according to the call status.
* It has clock and ambient temperature indicator.
* There must be one Master in the system and as many slave panels as desired
can be used.
* All adjustments can be made on the panel.



Bedside Unit

* The patient can use this unit to call the attendant in case of need.
can also be used with patient hand sets connected to this unit. provides ease.
* When the call button is pressed, the nurse is called to the room.
* The call button is illuminated so that it can be seen in the dark, the same
it also lights up brighter and is used as a confirmation light.
* When the call termination button is pressed once, the nurse is in the room.
means and the call ends.

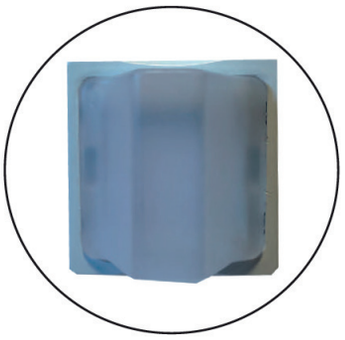


Room Control Unit

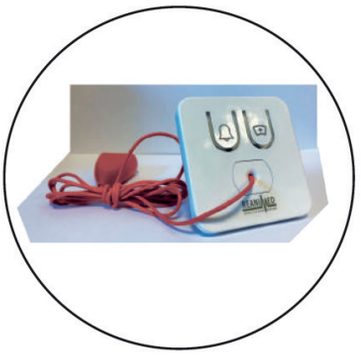
* Designed based on microprocessor.
* Room Control Unit ensures the connection of peripheral units in the room.
provides and can work on its own.
* It can be mounted in the corridor or on the bedside channel
* Connects with indoor units with RJ45 socket.



Patient Hand Sets
* The handset connected to the Bedside Unit can be used for the patient.
provides ease.
* This handset is used as a lamp control.
* The red button starts the call.
* The yellow button above is used for room light.
* The yellow button below is used for the bedside lamp.



Corridor Lamp
* In case of a call, the attendant makes the incoming room more comfortable.
allows him to find.
* It gives signals in red, yellow, green and blue.



Corded WC Call Unit
* The patient can use this unit to call the attendant in case of need.
uses. Red for comfortable use of the WC call unit
There is a colored pulling rope.
* When the call thread is pulled, the nurse is called to the room.
* With serial connection feature, you can connect more than one to desired points.
unit can be placed.



Code Call Unit
* Used to start code blue, pink, and white.
* To prevent unnecessary calls, only the nurse is in the room while it is active.
* When active, the red light is on and when the call is initiated indicates that the call has started by flashing.



Lighting Control Unit
* Microprocessor controlled.
* Connected to the city grid, two relay lamp control.
* Controlled by hand set.

B- CALLING SYSTEM

The nurse call system consists of 6 different call types:

Normal Call
The hand of the patient connected to the bedside unit or bedside unit if needed
It is started by pressing the red button on the sets.

Toilet Call
It is initiated by the patient pulling the call rope in the toilets.

Emergency Call
When the officer who intervened the patient is considered an emergency situation, any
It is started by pressing the call unit.
The nurse must be in the room to be able to start it.

Blue Pink and White Code
When the attendants press the code call units that are active in the nurse room status
is started.

Call priorities are arranged in order of urgency as follows.

Code Blue
Code Pink
Code White
Urgent
Toilet
Normal



Normal Call

The patient presses the red button on the bedside unit or patient hand sets. Thus, the red light on the Patient Unit lights up brighter, the over door lamp lights up in the "normal call" mode, the nurse indicator sounds in the "normal call" mode, and the room number and the letter "n" appear on the basic nurse indicator. The nurse who receives the call looks at the room number on the nurse display and reaches the patient room with the help of the door lamps in the corridor. The nurse presses the cancel button on the bedside unit. Thus, the red light on the Patient Unit returns to normal, the over-door lamp lights up in the "nurse in room" mode, the basic nurse indicator cuts off the call and the nurse shows the information in the room. The nurse who intervenes in the situation presses the cancel button on the bedside unit again after solving the problem and the nurse ends the situation in the room.

Toilet Call

It works the same as normal call. Its difference is the audible and visual signals.

Emergency Call

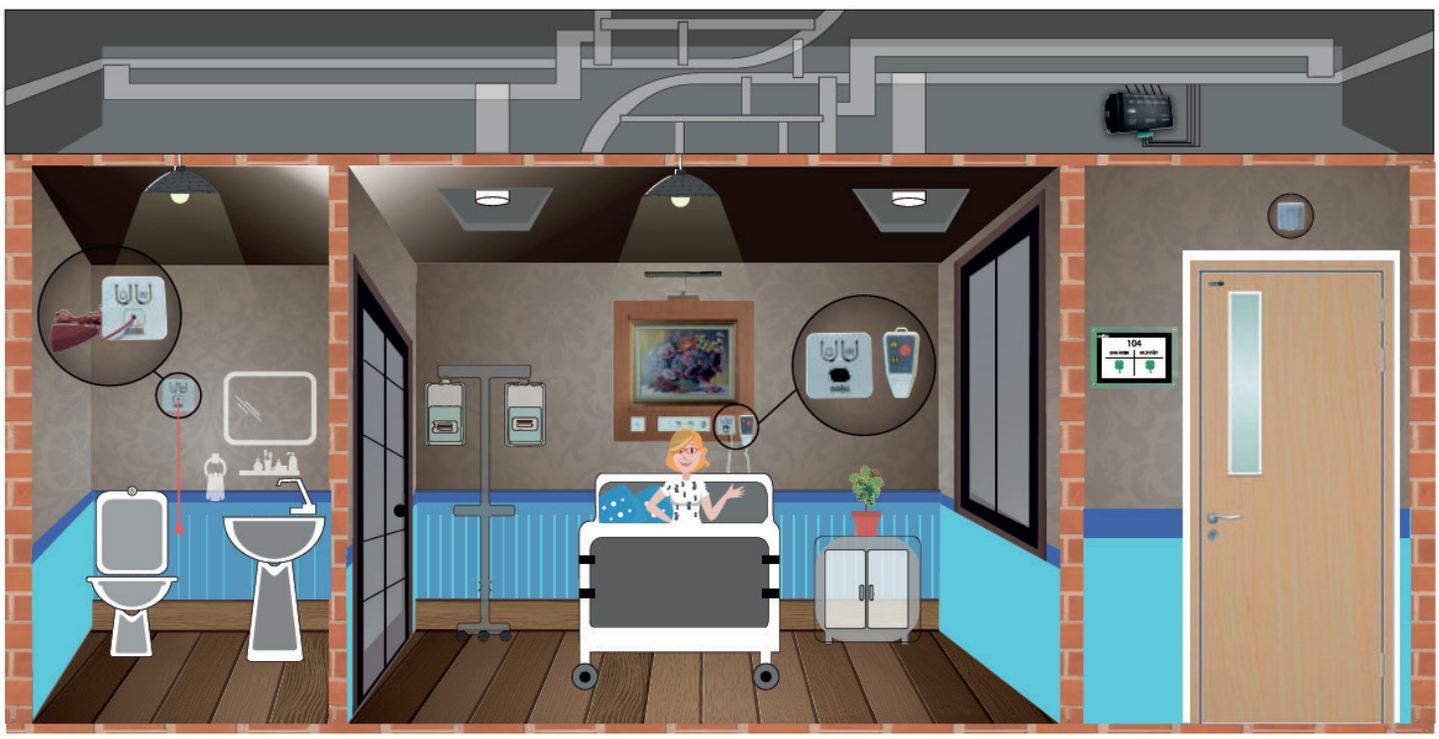
Interfering with the normal call, the nurse initiates the emergency call by pressing any call button in case of an emergency. Audible and visual signals switch to emergency call mode. The emergency response team that comes to the room ends the emergency call by pressing the cancel button on the bedside unit, and the nurse continues in the room. After the intervention, the nurse leaves the room by pressing the cancel button again.

Blue Pink White Code Call

While the nurse is in the room, the code is started by pressing the call buttons on the call unit. It is not active when the nurse is not in the room. Audio and visual signals go into code call mode. The emergency response team that comes to the room ends the call by pressing the cancel button on the bedside unit, and the nurse continues in the room. After the intervention, the nurse leaves the room by pressing the cancel button again.

Login:
Reanimed is a Nurse Call System used in hospitals, nursing homes and similar organizations using microprocessor controlled network structure. Patients can easily access Reanimed Nurse Call Systems and, if needed, can call the hospital personnel to their rooms by using the help buttons. Thanks to the board in the nurse's room, the attendant can cry audibly and visually from which room what type of call is coming, and the call can reach the incoming room as soon as possible with the warning lamps located above the patient rooms. For more detailed information, see the introductory guide. This guide provides information necessary for system setup.

Before Installation
Reanimed system installation should be done by trained and qualified personnel. Only original Reanimed parts should be used in Reanimed installation. Wired Patient Room System The diagram below shows the role of the Room Control Unit between call units and the system network.



Patient Hand Sets
NCS.07.00



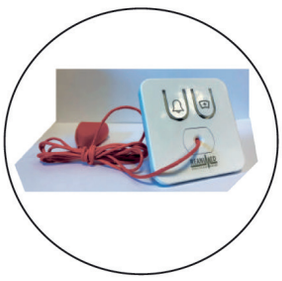
Call button in red.
. Two lighting control buttons.

Head of Patient
Unit
NCS.04.00



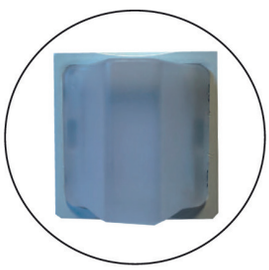
The call button is easily visible in the dark.
illuminated and at the same time verification when the call is placed
It is also used as a light.
.Green nurse light in the room.

Corded WC
Call Unit
NCS.05.00



The call button is easily visible in the dark.
illuminated and at the same time verification when the call is placed
It is also used as a light.
. Red colored pulling rope.

Above Door
Lamp
NCS.06.00



. Red, green, yellow and blue lamp.
Unbreakable outer material.

Lighting
Control unit
NCS.08.00



Microprocessor controlled.
Connected to the city network,
. two relay lamp control.
Controlled by hand set.

Room Control
Unit (RCU)
NCS.03.00



Microprocessor controlled.
.Three beds, a WC, a corridor lamp and a code call unit can be connected.
It can continue to work regardless of system errors.
64 can be connected to one BUS line.
RJ45 connection with indoor units.
. With reverse voltage protection and hot plugging feature.

Nurse Panel
NCS.01.00



.5x5 seven segment display
It detects and shows all calls.
. Clock and temperature display inside the panel.
Ability to make all system settings.

PLANNING

Planning Tips
The introductory guide must be read before planning.
There should be one corridor lamp in each room.
The toilet call unit can be used more than once at the appropriate points of the toilet.
For bedside units, as many units as the number of beds in the room should be connected.
Up to nine beds can be planned for a room.
The code call unit should be in common use in the room, depending on the request of the operator.
The system does not require a switched setting on the cards.
All system settings can be made through the console. On request, all units can be adjusted according to the project and delivered.
The system parts should be installed after the building construction is completed and the environment is cleaned.
Generally, acceptable conditions for Reanimed system are maximum 50 C temperature and 90% humidity.

WIRING

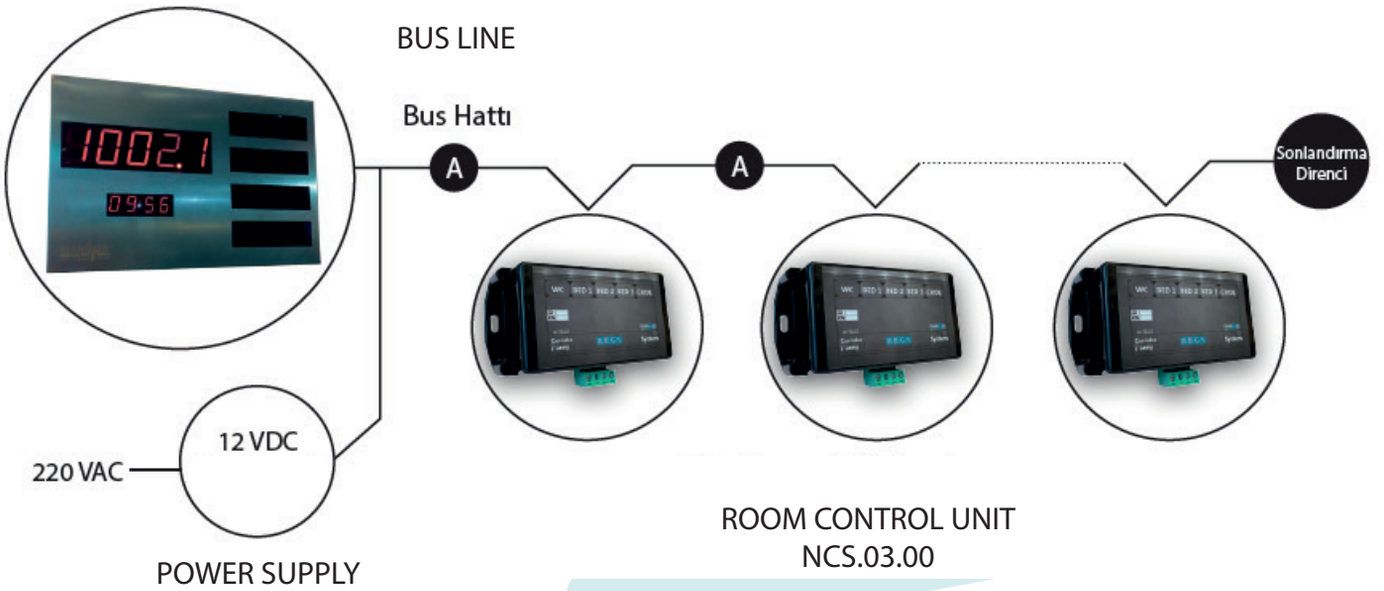
Wiring Tips
Each bus network must be terminated with a terminating resistor. Safety while planning
A pair of extra cables should be used in terms of
.High quality cables should be used for system installation. Ease of installation and
In terms of safety, each wire of the cable used must be of a different color.
While stripping the outer sheath of the cables, care must be taken not to damage the wire insulations.
System cables are in low current class and are separate from high current cables.
must be mounted.
. Cables should not be spliced and interconnection boxes should not be used.
All units must be accessible for maintenance.
For the power supply connection, the cable should be left at least 50 cm in length.
For the connection of the Room Control Card and other points, at least 30 cm cable should be left.
All cables must be clearly marked.
System cables must be run separately from other services.

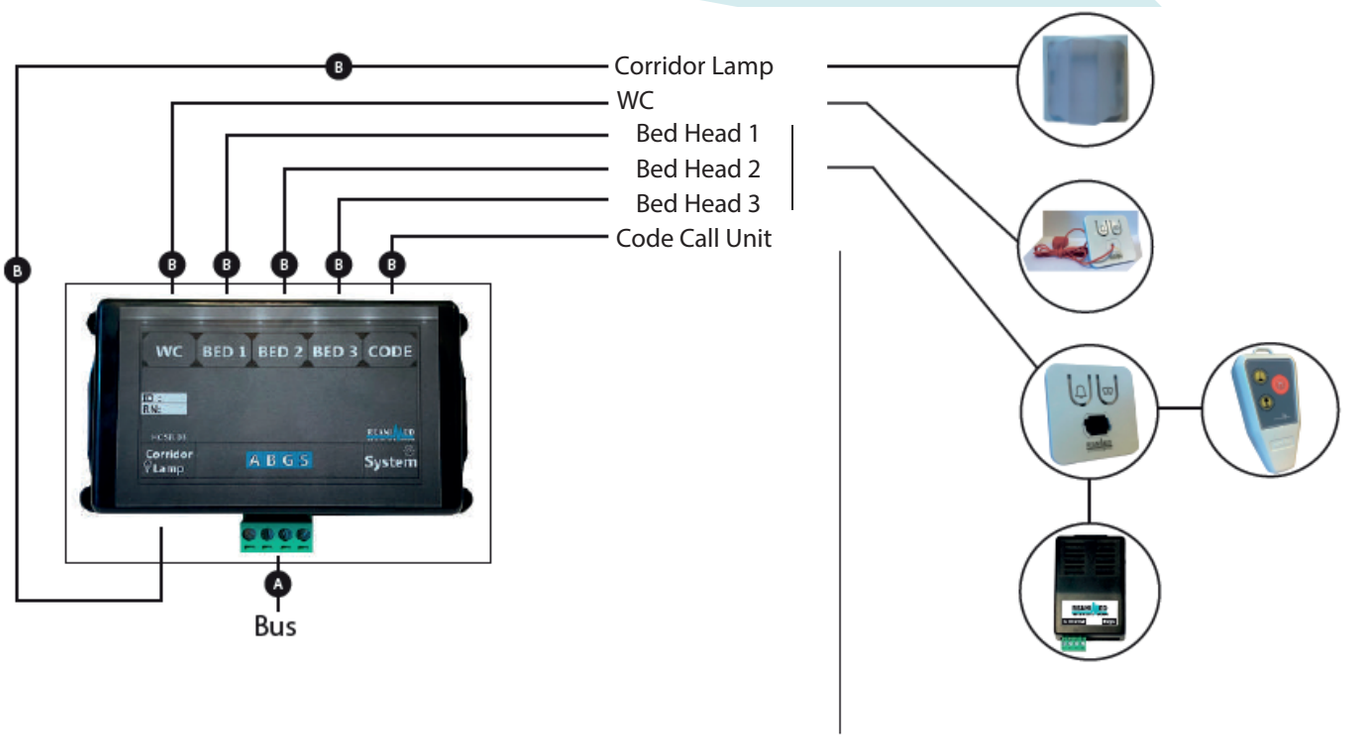
Basic Wiring

Reanimed system infrastructure is based on Room Control Units.
These units are between the Reinamed Network and the environmental sciences connected to them.
provides communication. Each unit can operate independently.
Central 12V DC power is connected to the system with two wires.
The diagram below is Room Control
The system should only be earthed from the power supply.

TEMEL KABLOLAMA SİSTEMİ

Hemşire Paneli
NCS.01.00

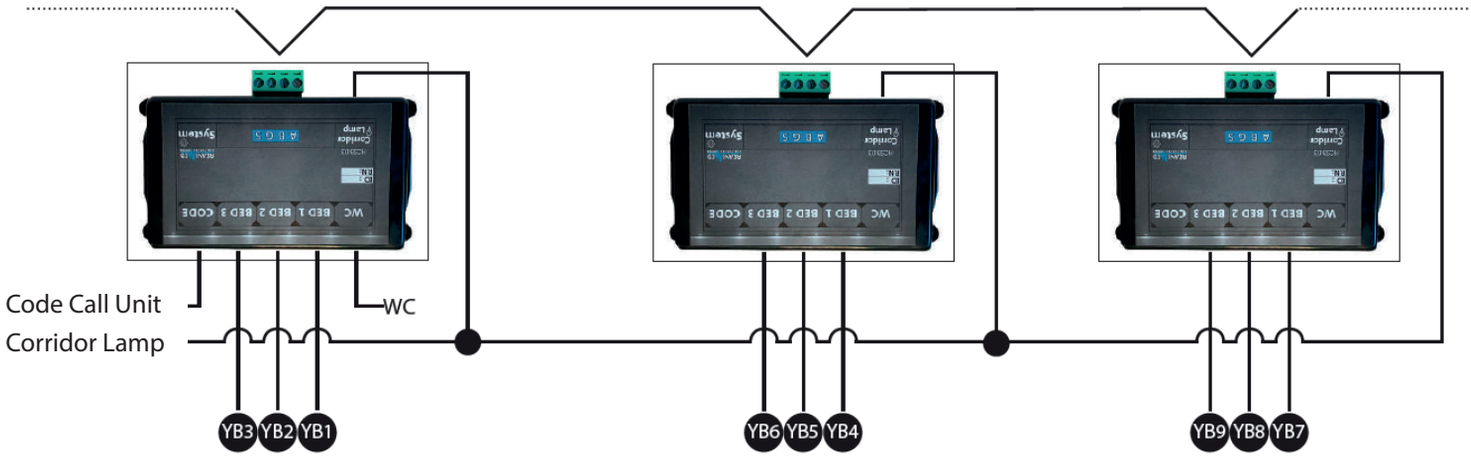




A 2 x 1.5 Power Cable
2 x 0.5 double data cable

B CAT5-CAT6 RJ 45 Data Cable

BUS LINE

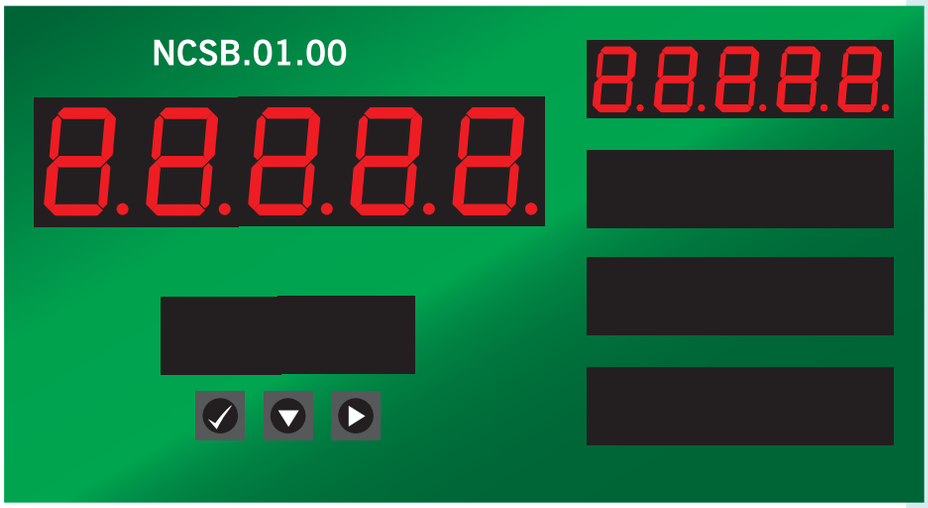


The system is suitable for planning up to nine beds in one room. The only condition is that the IDs of the room control units are sequential and recorded with the same room number on the console. The corded wc and code call unit can be connected to a room control. The bedside units can be connected one by one and up to nine beds. On the door lamp, on the other hand, is connected to all room controls via RJ45 multiplexer.

Nurse Consul Outer View



Nurse Console Motherboard View

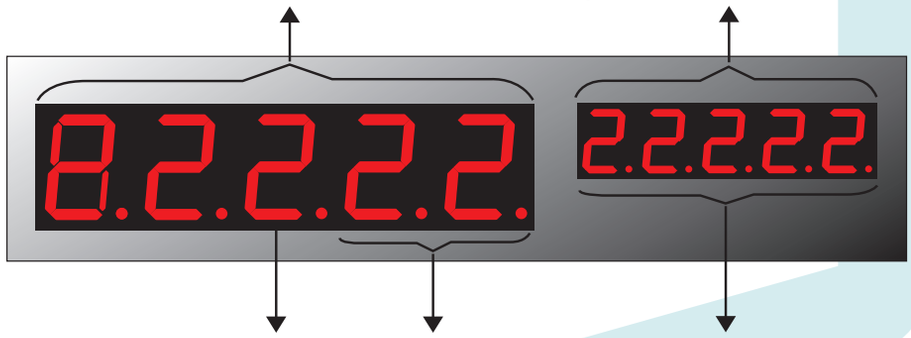


1- Menu Entry and Exit Buttons

- Okey Button: It is used to enter and exit sub menus.
- Down Arrow Button: It is used to move forward in the main menu and to increase in sub menus.
- Right Arrow Button: It is used to move in the sub menu.

To enter the menu, press the down and right arrows together to enter the menu.
After the process is finished, the exit is made in the same way.

2- Menu Structure



All settings of the system can be made using the three buttons on the console.
The main call indicator and the first auxiliary display are used for menu operations.
Settings that can be made through the console;

* Clock setting
* Master / Slave selection
* Room number setting
* Changing the room control unit ID

3- Settings

Clock Setting

* Login to the menu.
* Press the Okey button while at no.1.
* No.1.01 Hour, No.1.02 minutes sub-menu. Navigate in the sub menus with the down arrow key. Enter into the sub program with the left arrow button.



Saat Ayarı



Dakika Ayarı

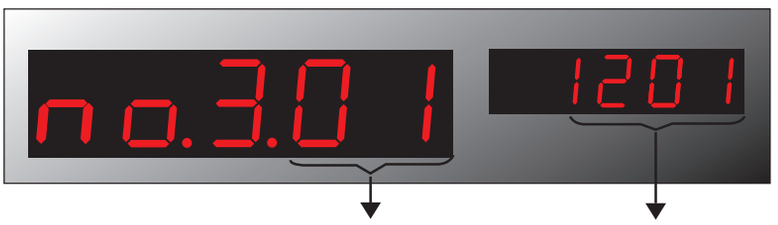
* The Value to Change, which is opened on the right while in the sub menu, is changed with the arrow keys.
* After the adjustment is made, you can return to the main menu with the Okey button.

Master / Slave Setting
* Enter the menu, navigate through the menu with the down arrow button.
* Press the Okey button while at no.2. No.2.01 submenu is unique.
* Change the variable to 1 or 0 with the down arrow key.
Operates the panel as 1: Master, 0: Slave.
* After the adjustment is made, you can return to the main menu with the Okey button.

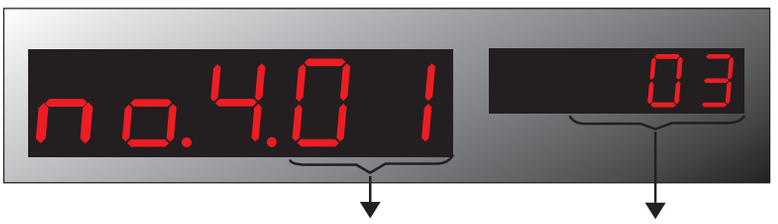




Room Number Setting
* Login to the menu.
* Press the Okey button while at No.3.
* Menu variable is Room control ID and increase it with the down arrow key.
* Enter the sub menu with the right arrow key and take action on the value to be changed. Four digits
the value to be changed in the room number is shown with a dot and the right arrow button
Moves with, the selected digit changes with the down arrow button.



Room Control ID Setting
* Login to the menu
* Press the Okey button while at no.4.
* Menu variable is Room control ID and increase it with the down arrow key.
* Enter the ID you want to change by entering the sub menu with the right arrow key.
* Change the ID of the room control unit by confirming with the Okey button.







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