



WIRELESS Nurse Call System



www.nursecallsystem.in

Product features:

- Makes use of LCD module of 320 X 240 pixels.
- Voice module with standard voice “Attention; Patient Calling” instead of buzzer makes it distinguished.
- Very low working voltage to ensure patients safety.
- Additional feature of Long Pending Call alert is an incidental benefit.
- Very simple design to make it easily installable and maintenance free.
- Door indicator helps the nurse to locate the calling patient easily.
- Once turned on by the patient it will remain registered till the nurse attend the patient and clears the call from the patient’s room.
- NCS is designed with static windows and one can insert a bromide film (or similar thing) with the required letters to identify the room.

Working of NCS-Esteem LCD RF

By touching the switch on the calling unit an indicator gets lighted up confirming that your call is passed on, which in turn reaches the Controller/Display unit and flashes the room number of the patient on it simultaneously, the Voice module in it announces the call which forces the nurse to give immediate attention.

After noticing the call the nurse can silence the voice module by pressing the MUTE button on Controller/Display Unit which makes the flashing window steady but it will continue glowing unless it is cleared by the nurse from the patient’s room using the calling unit. If another patient raises a call, again the same procedure takes place independent of the preceding call. NS LCD Display will show long pending call message if a call is unattended for a long time.

Usage of LCD display allows for flipping the pages to show more pending calls if any. This saves wall space and reduces the cost per bed.

"Thus NCS ensures a positive and immediate response from the nurse for the patient needs".



NS-LCD

Components

Control Panel



This is the Microcontroller based device placed in the nurse station with dynamic windows which displays the room number of the calling patient and also it has a voice module to announce the call.

There are three buttons on it,

Power Button: Pressing this for long time (approximately 3 sec) turns the device ON or OFF.

MUTE Button: It is for acknowledging a call from patient. It will make the flashing window steady and also silence the voice module until a call is cleared.

Test Button: On pressing the button it will flash all the windows and will announce "Attention, Patient calling" to make sure that the device is working fine.

RF Patient Interface Hub (RPIH):



Designed to receive call information from 16 different RF transmitters installed in respective patient rooms. Thus collected information along with the key activity information collected through a serial cable from the NS-Display will enable this RPIH process the calls accordingly and send windows' information along with voice module to the NS-Display via serial cable.

RF Room Unit (RRU)



The unit is designed with soft touch key pad consisting of one key for call initiation and another for clearing call which is required to be done by the nurse attending to the patient.

Additional push button switch is integrated to this unit by means of a coil cord to enable a patient to initiate a call from the bed itself.

Toilet Calling Unit (TCU) :



Here call is originated by pulling the cord and can be cleared by pulling it again. The LED indicator lights up if call is active. This allows the patient to initiate a call from squatting positions itself.

Door Indicator



These semi circular shaped indicators can be mounted on the wall near the patient's door so that, nurse walking through the corridor can see it from a distance. These are made of super bright LEDs to indicate patient's call pending which can be seen from the corridor itself.

Specifications:

Display Windows:

No. of Windows : Maximum 64
No. of pixels in a window : 80 X 80 pixels
Light Source : CCFL Back light

RF Specifications:

Supported range : 2000m
Power: Transmitter (RRU): 0.35W, Receiver (RPIH): 0.6W

Dimensions and weight:

NS-LCD display : 250W x 160H x 110D mm 900gm (approx.)
RF Patient Interface Hub (RPIH) : 157W x 66 H x 43D mm 250gm (approx.)
RF Room unit (RRU) : 93.5W x 90H x 50D mm 100 gm (approx.)
Door Indicator (DI) : 70W x 70H x 35D mm 150 gm (approx.)



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