



ESTEEM-LCD

Objective of NCS ESTEEM – LCD

- Make it convenient for connecting more number of patients (upto 48) to a Nurse station.
- Better display aesthetics at the nurse station.
- Cut down cabling cost.
- Maintain the simplicity of cabling at the patient end.

Product features

- Expandable up to 48 patients with the addition of only low cost modules.
- Modules allow for an incremental step of 8 patients.
- Additional feature of Long Pending Call is an incidental benefit.
- Different modules in the system can be strategically located to reduce the cabling drastically, since the inter module distances can be several 100 meters.
- This also reduces the requirement of wall space.
- When more than 16 beds are associated with a Nurse station (between 16 and 48), then it is highly recommended to go for Esteem - LCD model. It is equivalent to 4 Esteem Model NCS.



Working of NCS-Esteem

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 long call exists.

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

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.

Patient Interface Hub (PIH)



Allows for 16 calling units and 16 toilet calling units. Uses 2 pairs of wires to get interconnected with Esteem LCD. It consumes 230V AC power supply. Can use PIX unit to connect more than 16 calling units. Maximum 4 PIX units can connect to PIH.

Patient Interface Extender (PIX)



Allows for 8 calling units and 8 toilet calling units. Uses 4 pairs of wires to get interconnected with PIH unit. It draws power from the PIH itself. Hence no additional power is required.

Electronic Calling Unit



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



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:

- LCD display : 320X240 pixels.
- Dimension : 220W x 180H mm

Indicators : Flashing 5mm LED to indicate NCS is active.

Power : 230 V AC +/-10%, 50Hz, 15 watts.



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