



To ensure Each call from Each bed must be **ATTENDED** within the **TIME**. You need a dedicated **Nurses Call Monitoring System**.

Micro-controller based Nurse Call Monitoring System Series 640

It helps you
to monitor and
fix-up responsibility.



the
next generation
nurses call
monitoring system



SYSTEM HIGHLIGHTS

Each call from each bed must be attended-
attended within the time limit.

If not?

How to monitor and fix-up responsibility.

To ensure the practice is followed, the system must be reliable and must have built in mechanism to point out delay in action.

Nurses Call Monitoring System series 640 informs the nursing staff the sequence of call received thus minimizing any over due call. The call register maintains sequence in which call from different bed are received.

The first call pending is displayed with Big 2" 7 segment display. 4 other calls are displayed in the sequence of receipt. If more then 5 calls are pending, the same can be scrolled down. Any call attended is automatically erased and display is replaced with the next call pending.

If any call is pending beyond set time, the number starts blinking. it also activates a buzzer to draw attention of the nursing staff. If call remains pending even beyond 2nd limit, rate of blinking is intensified to bring notice of problem.



- Micro-controller based system
- Serial display of calls received
 - 1st call displayed with 2" Height LED display, Next 4 calls in sequence on side column, Further pending calls- on Scrolling 3 Digit 7 segment displays.
- Soft tone buzzer
 - alerts receipt of new call
- Elegant look
- Compact and flexible
 - Table- wall mountable.
- Built in Non Attendance Timer
 - Pending calls flash
 - Long pending calls flash at higher rates
- Modular Bed Side console
 - Easy installation in std. Modular cabinet
- Status Indicators and buttons
 - Ready, Call & Wait LED indication on board, with Call & Reset switch
- Elegant patient remote
- Low Voltage Operation
 - The system works on 12 V. D.C hence patient is not put to danger even due to accidental snatching of wires.
- Reset at patient bed
 - re-set button installed near the patient.
- Compact and flexible
 - The system requires very low space and is flexible to accommodates up to 64 beds.

Next Generation System from Industry Leader

Leaders in Nurses Call Monitoring System in India "BPS" team is presenting the latest technical innovation in the line.

The system is designed by our in house team to suit Indian conditions.



SYSTEM OVER VIEW

Series 640 consists of mainly the following sub-systems:

- Call station Board
- Patient Remote hand set
- Door indicator
- Toilet Pull Cord
- Master Controller Hub
- Nurses Monitor Console

Call Station Board

Each bed is provided with call station nurse board. This is housed in standard console. It has push switches to call and re-set the call.

LED indications for Ready(Green), Call(Red), and Wait(Yellow) are provided. Ready LED indicates that the system is ok and call can be made. If there is any problem with wiring, it will not glow. This is built in system to give instant check of any system or wiring fault.

LED marked Call lights up when the call is made.



Once the call is made and it is registered with the controller hub, LED marked Wait glows indicating call has reached Nurse station.

Patient Remote hand set

From call station, remote Patient Hand Set is provided so that the patient can make call from his bed. Remote hand set has push to make call. LED indication for Ready, Call and Wait are provided.



Door indicator

Door indicator is installed outside the room to indicate call pending in the room. This facilitates nursing staff to attend on way to Nurse Station. One Door indicator can announce pending call for up to 8 beds in the same room. Door indicators are available with many features like color LEDs, hold switch etc.



Toilet Pull Cord:

Toilet Pull Cord with Indicator & Rope. Standard length of rope is 1.5m. This pull cord is installed inside the toilet. Patient can use the pull cord in toilet.

Master Controller Hub:

Controller Hub is central unit installed near Nurse Monitor Console. It is consisting of one Micro-processor central Controller card, one connector card for up to 16 beds SMPS. Wires from all beds are terminated on connector PCB. It receives information from each bed and signals the Console to display the information.



Nurses Monitor Console

The call monitor console will be installed at the Nurse center. Call received from any bed will be displayed by the respective bed number by 3 digit 7 segment LED display. It can be mounted on wall

or table stand. The first call pending is displayed with Big 2" 7 segment display. Other 4 calls are displayed in the sequence of receipt. If more than 5 calls are pending, the same can be scrolled down.

Any call attended is automatically erased and display is replaced with the next call pending.

Connections:

Two pair telephone cable will be required to connect each bed to display board. Telephone type socket is punched to wires from each bed. Mains supply of 230 V AC is required at Controller Hub.

Low voltage operation:

The incoming mains is converted to 12 V. D.C. in the Power Supply section and patient is not put to danger even due to accidental snatching of wires.

Re-set at patients bed:

To re-set, the nurse or attendant has to press a button installed near the patient. This ensures attendance.

Compact and flexible:

The system requires very low space and is flexible to add on as the number of beds increases. Marking on the indication board can be custom designed for easy location and is editable.



OUR EXPERTISE

Nurses call monitoring Systems and Queue Management Systems by team "BPS" is installed in all the leading hospitals in Eastern India.

With over 15 years of feed back from actual working condition in hospitals, continuous improvement in design, innovation of technology we are presenting Series 640-The most advanced Nurses Call monitoring System.

The system is designed with utmost reliability, dependability, safety, and flexibility in mind.

ORDERING INFORMATION

Item	Description	Model No.	Quantity reburied
Call station Board	with Membrane push switches for call and Re-set buttons & LEDs for Ready, Call and Wait, Connector for console connection and connector for Patient remote hand set	BNCM-PB640A	each bed = 1 set
Patient Remote Handset	with flexible wire of 2 meters, Telephone type Jack connector, switch for call and indication for Ready, Call & Wait	BNCM-PB640R	each bed = 1 set
Door Indicator	with 8 nos Red LEDs, Red Acrylic cover for connecting up to 8 beds in one room	BNCM-DU-1	Optional
	with 3 colour LEDs, Flash/ study / Off functions, Acknowledge Push, Acrylic cover suitable for connecting up to 4 beds in one room	BNCM-DU-2	for each Room
Toilet Pull Cord	Toilet Pull Cord with Indicator Rope length standard 1.5 m	BNCM-TPC1	for each Toilet
Master Controller Hub Type-1	With one Micro-processor central Controller card, One connector card for up to 16 beds, power supplies (SMPS) housed in hinged cabinet	BNCM-MCH640A	up to 16 beds
Master Controller Hub Type-2	With one Micro-processor central Controller card, two connector card for up to 32 beds power supplies (SMPS) housed in hinged cabinet	BNCM-MCH640B	up to 32 beds
Master Controller Hub Type-3	With one Micro-processor central Controller card, three connector card for up to 48 beds power supplies (SMPS) housed in hinged cabinet	BNCM-MCH640C	up to 48 beds
Master Controller Hub Type-4	With one Micro-processor central Controller card, four connector card for up to 64 beds power supplies (SMPS) housed in hinged cabinet	BNCM-MCH640D	up to 64 beds
Nurse Monitor Console	with one 2" height & 4 Nos 3/4" height LED display suitable for wall mounting and with table stand	BNCM-NCH640A	up to 64 beds
Data Logger Card	Computer interference card with software fitted in enclosure	BNCM-DLC-2	Optional up to 64 beds
Wires from bed to call station	2 pair telephone wire		as per distance from beds to call station

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