



TECHNICAL SPECIFICATION

SPECIFICATIONS OF NURSE CALL BELL SYSTEM FOR HOSPITALS & NURSING HOMES Mfd. & Mkt. By: Veekay CONTROL DEVICES C-384 2ND FLOOR SECTOR-10 NOIDA-201301 Distt. G.B.Nagar (U.P.) Mobile: 9811593523, E-Mail: rscontroldevices@gmail.com

NURSE CALL BELL SYSTEM: The Nurse Call Bell System consists of (1) Power Supply (2) Nurses Station Console for req. No of Beds/Rooms(3) Nurses Station Indicator Panel for req. No. of Beds/Rooms (4)Call Bell Push Button Station & Hand Module (5) Dome Light/Corridor Indicator Module (6) Emergency Call Bell Push Button Station for Toilets (Optional).

SYSTEM OPERATION: The Nurses Station Console and Indicator Panels shall be used to monitor the complete system The system works on single light indicator system with an audio alarm provision. Each patient bed is connected with the nurses station console to indicate the bed no. on the assistance req by the patient, with simultaneous audio visual alarm on the nursing station indicator panel. The patient is able to make the call either from the hand call Button or from the bed side switch or toilet emergency switch. This system is provided with a single red colour light system on the patient bed, on the corridor indicator and a digital display indicator on the nursing station. In the normal conditions all the lights will remain off. When the patient presses the call the indicator at bed side, corridor and indicator panel at the nursing station will start flashing with a soft musical tone for a short duration and audible alarm will be repeating every 30 seconds or for req. time till the call is accepted or cancelled by sister. As the sister accepts the call at the nursing station, all the indicators will be steady ON. And on attending the patient call will be cancelled by the sister by pressing the cancel button on the bed side module, and all the indicators will be OFF.

POWER SUPPLY: The Power Supply unit is suitable to work 220 Volts 50HZ AC Mains. The unit is housed in a sheet steel enclosure duly painted (powder coating). The Power Supply consists of a step down transformer of proper rating, electronic rectifier with regulating circuit to give 2 nos, of DC outputs of 12 volts each. The system is provided with input and output indications, mains lead and output on plug and socket system. This is the part of the Nurses Station Console and provided separately for the easy maintenance.

NURSES STATION CONSOLE: The Nurses Station Console is housed in the sheet steel enclosure duly painted (powder coating). It consists of plug in type PCB's with suitable electronic components, IC's, Resistances, Capacitors, etc. The system consists on independent PCB's for each bed (for easy maintenance). The system is connected to Power Supply and Digital Nurses Indicator Panel by plug and socket system.

NURSES STATION INDICATOR PANEL: The Nurses Station Indicator Panel is housed in a sheet steel enclosure duly painted (Powder coating). It consists of seven segment LED Display for req. no. of beds to indicate bed no. as desired by the client (e.g. 1 to 24 OR say 201 to 224 OR as desired) with red acrylic sheet over the display. It also consists of one no. electronic hooter to provide soft musical bell or as desired by the client and an accept push button.



TECHNICAL SPECIFICATION

CALL BELL PUSH BUTTON STATION & HAND MODULE:

It consists of one No. Red Indicator with required cord for connecting hand module and reset button, all mounted on acrylic sheet of approved make wall mountable. The hand module have an extension cord for being used by the patient lying on the bed. This is the bell push of approved make or with the provision of call and reset button.

EMERGENCY CALL BELL PUSH BUTTON STATION FOR TOILET(OPTIONAL):

Toilet call modules comprises of recess mountable (as approved by the client) having provision for emergency call from the toilets and provision for reset. This can also be designed as per the clients requirement.

DOME LIGHT/CORRIDOR INDICATOR MODULE: It consists of one no. Indicator to indicate the status of the patients call. The module is recess mountable plate as approve by the client.

NOTE:The fabrication of the above and the fabricating material can be mutually decided. As the above item is custom built and made only against orders, so it can be designed according to clients choice.

WIRING: We require 3/4 Pair Telephone/Cat Cable from each bed/Toilet to the Nursing Station via dome Light for the above system.This will be provided by the client.

ALTERNATIVE SYSTEM:

VEEKAY make Nurse Call Bell System suitable to work on 220 Volts AC Mains. The system consists of a step down Regulated Power Supply, an Electronic Hooter, Seven Segment Digital Display Indicator and Nurse Console System. The system work as the Patient presses a Call Button on bed side, an audible electronic alarm will be ON for the set/short duration and visual digital display will start flashing at the Nursing Station. The audible alarm will keep on repeating after every 30 seconds or any other req set time till the call is not attended or cancelled. A cancellation Button is provided on the system to cancel the call. The System will be supplied for the req. No. of beds. Against each Nursing Station.

WIRING: We require 1/2 pair Telephone Cable for the above system from each bed to the Nursing Station. This will be provided by the client