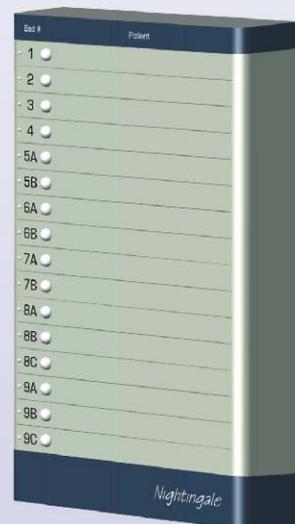
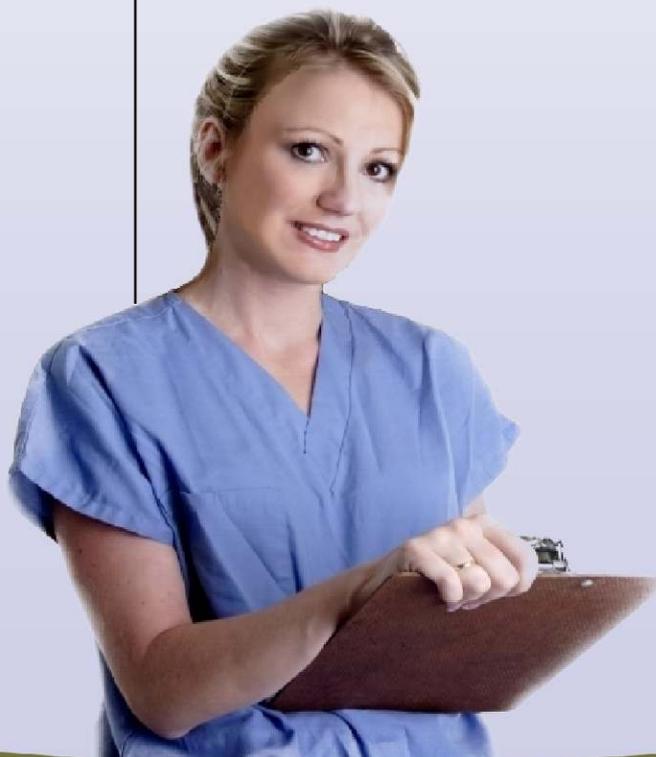


# Nightingale

## Audio-Visual Nurse Call System



The *Nightingale* 16-B is a trend-setting nurse call system with many unique features such as:

### Call Announcement

The bed numbers of calling patients are announced at the Nurse Unit by a pleasant recorded voice.

The nurse need not look for displays to locate the calling bed.

Door indicators are not essential.

The voice announcement will continue intermittently and can be turned off only at the originating patient's Call Unit, ensuring that the nurse visits his bedside.

### Audio-Visual Nurse Unit

Houses the announcement and display systems. The bed numbers are programmed into plug-in chips and can be played thousands of times without deterioration.

The numbers can be in the language of your choice or from your own dictation. Also, they can be easily replaced if the beds are reorganized.

### Multi-Function Call Unit

A green LED glows continuously to indicate system okay and for easy location in the dark. It turns red when activated.

A single tap on the CALL button activates the request for a nurse. The small RESET button is pressed to turn it off.

A universal EP socket is provided for connecting a Bed Switch (if the bed is at a distance from the wall) or the port of a compatible medical gadget so that it's alert may be conveyed to the nurse.

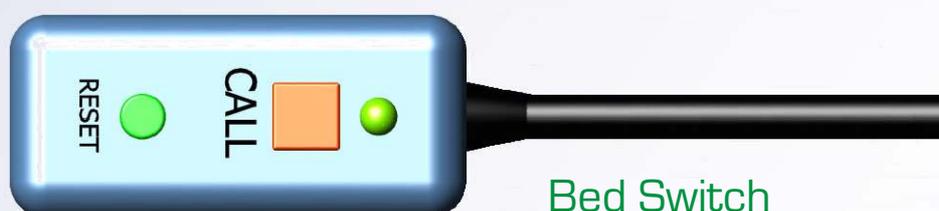
Only single pair wiring is required per Call Unit.

Output terminals are provided behind the unit to power a door indicator lamp if necessary.

Call Unit



Actual size



Bed Switch

## Functional Display Board

A large LED is allocated for each bed and turns on when the patient taps his CALL switch. Names of the patients can be written beside the LEDs so that the nurse can identify the calling patient even before leaving for his bedside.

## Fail-Safe System

All Call Units and their connecting wires are monitored continuously. If a fault occurs, a small red LED will turn on beside the assigned number on the Nurse Unit and a buzzer will begin to beep, alerting the nurse.

An alarm located at the supervisor's room is activated if the power supply ceases or is turned off.

## Custom Terminal Block

The comprehensive and well marked Terminal Block provides uncluttered and efficient termination for all the wiring, ensuring tidiness, simple installation and easy maintenance.

## Extra Capabilities

Announcements such as FIRE ALARM, CODE BLUE, AMBULANCE ARRIVED, etc. can be programmed and triggered from dedicated Call Units.

Through a simple interface, the Nurse Unit can be connected to a computer for tasks such as logging nurse activity and alarms for medication.

The circuitry works on 12V DC and consumes very little power, permitting easy back-up.

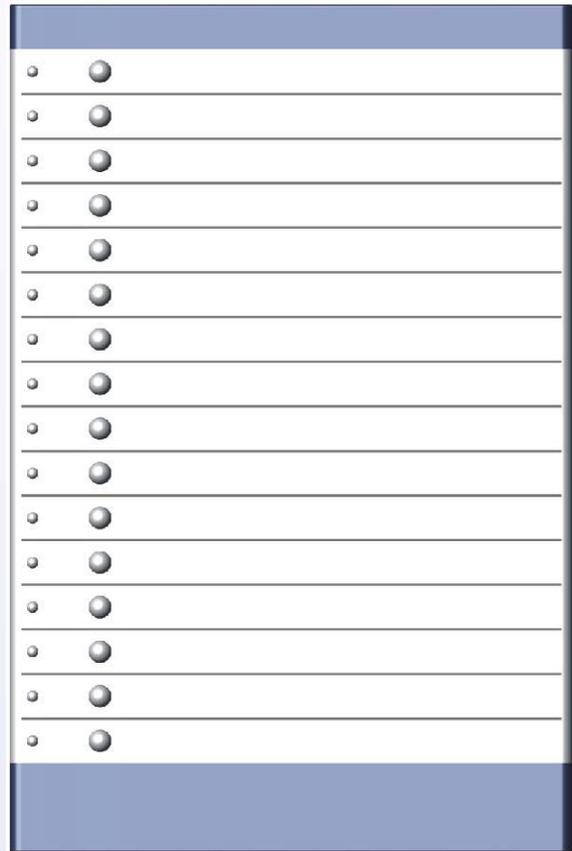
The system is modular and can be easily reconfigured. New features can be added as and when they are developed.

## Easy Installation

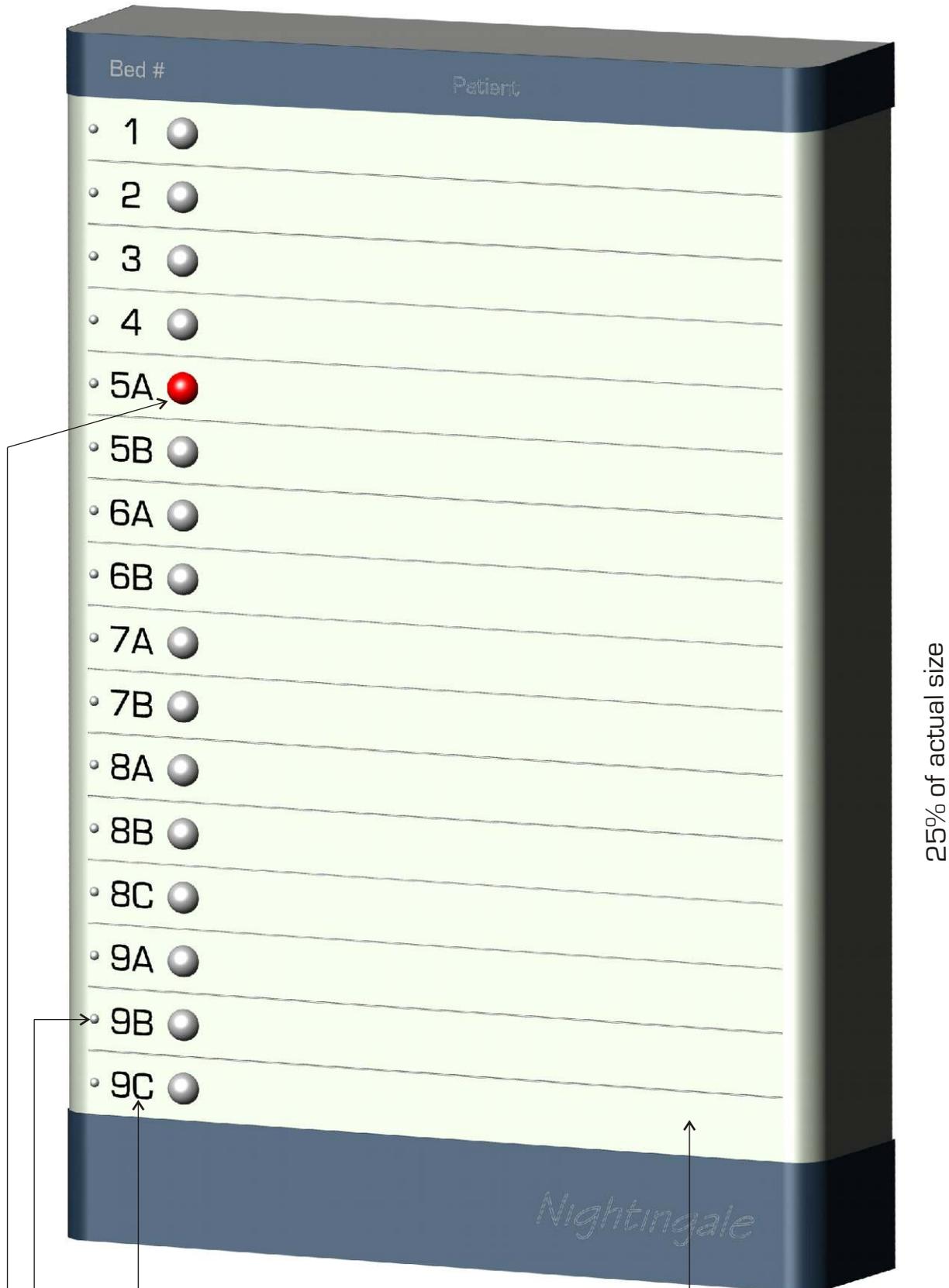
All the units are 'connect-and-use' and can easily be installed by your in-house electrician.

## High Quality

The entire system can work continuously without regular servicing. Durability is ensured by using selected components, systematic production and rigorous stage-wise testing. The system is designed and produced by Telereach, a manufacturer of communication products for critical & intensive areas such as railways, mines, defense and hospitals.



# Nurse Unit



Bed numbers printed as per your requirement.

Space to the right of LEDs is for writing patient's names.

Small LEDs turn on if the Call Unit or it's wiring malfunctions.

Large LEDs turn on to indicate call from patient (number 5A shown here).

Sound from voice announcement system emerges from below the unit.

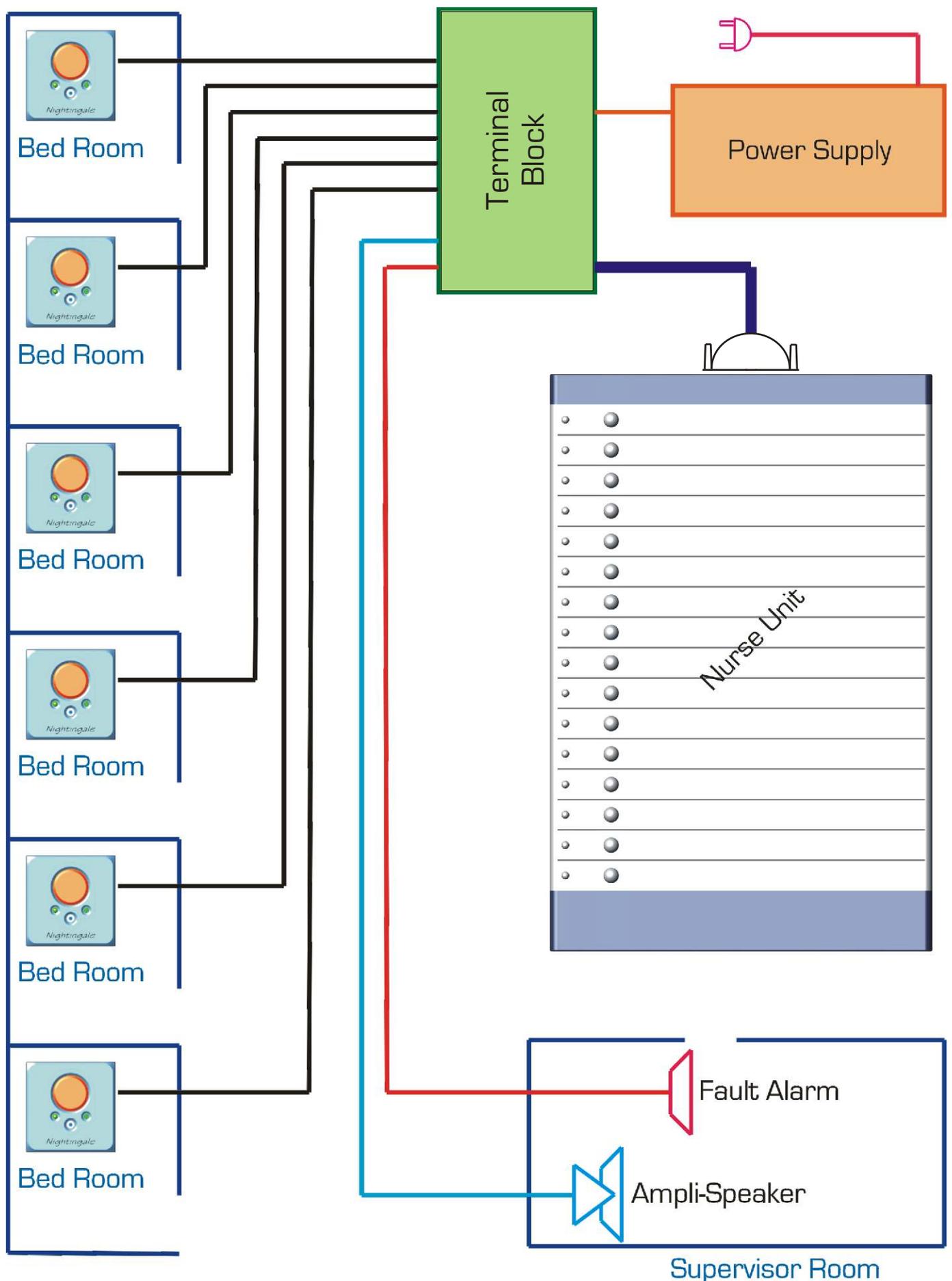
All connections are through a single D Sub cable plugged below or behind the unit.

## Terminal Block



The comprehensive Terminal Block provides tidy and robust termination for the wiring. It is well marked and its simplicity enables easy installation by your in-house electrician or handyman. It can be kept hidden from view and a single 25 pin D Sub connector is used to communicate with the Nurse Module. The whole nurse call system is rendered 'Connect and Play' through this nodal connection unit.

# Layout of *Nightingale* Nurse Call System in typical ward.



Terminal Block, Power Supply and all wiring can be hidden out of sight.  
All cables are single pair except the one from Terminal Block to Nurse Module.

## Features that make the *Nightingale* 16-B your best choice

The System	Dual information - Audio and Visual indication of call source.
	Low cost - Economic system, low wiring investment, low installation expense.
	Easy installation - Any local electrician can install the system.
	Region friendly - Announcement language of your choice/ dictation.
	Flexible - Announcement of other alarms such as Fire and Code Blue possible.
	Fail Safe - Even the wiring to Call Units is monitored.
	Nurse visit assurance - Call can be turned off only at calling patient's bedside.
	Fool proof - Power failure/switch off will trigger alarm in supervisor's room.
	Upgradeable - Modular construction permits updating with new features.
	Money saving - Door indicators not necessary. No maintenance cost.
	Durable - Works non-stop. On/Off switch is not even provided.
	Easy back-up - Works on 12V DC. Charged battery will suffice for back-up power.
Pedigree - Designed and manufactured by Telereach, an ISO 9001 company.	
Call Unit	Convenient - Only single pair of wires required for each Call Unit.
	Graphic - Easy recognition and operation even by first-time users.
	Visibility - Green LED glows continuously, very useful at night.
	User friendly - One touch to trigger call. One touch to turn off.
	Reassuring - LED turns red to acknowledge that call has been activated.
	Multi-function - Alarms of compatible medical gadgets can be conveyed to nurse.
	Extendable - Plug-in Bed Switch usable if bed is at a distance from Call Unit.
	Versatile - Provides power for door indicator lamp or local buzzer.
Nurse Unit	Informative - Bed number is announced by pleasant voice.
	Practical - Display Board for writing patient's names.
	Communicable - Logic connection with external gadget/computer possible.
	Automatic - Plug and play system. Only volume switch is controlled by nurse.
	Attractive - Elegant shape and high quality finish to suit posh decor.
Terminal Block	Installer friendly - Clearly marked wiring connections for simplicity.
	Tidy - No cluttering of wires. Easy location of wiring faults.
	Comprehensive - All system connections available at this location.
	Robust - Made from high quality ABS to withstand impacts, dust and moisture.
	Un-obtrusive - Kept hidden, helps retain immaculate appearance of premises.
	Compact - Small in size while allowing sufficient space for connections.

# Specifications

Call Units per standard Nurse Unit	= 16
Operating Power Supply Voltage	= 12 V
Voice announcement output power (max)	= 8 Watts rms.
Power Consumption with all Call Units activated	= 1.5 Amps max.
Power Consumption normal (idle) mode	= 0.4 Amps max.
Dimensions of Nurse Unit (approx)	= 360 X 250 X 70 mm
Nurse Unit Cabinet material	= Laser cut powder coated MS
Nurse Unit front panel material	= Laser Cut 1.6 mm Stainless Steel.
Call indication LED diameter	= 10 mm
Line fault LED diameter	= 3 mm.
Call Unit dimensions	= 86 X 86 X 50 mm, Module 2.
Call Unit material	= ABS

Associated products = Supervisor's Alarm  
Bed Switch  
Logic Level Interface  
Door Display Unit

Your local representative

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