

SOLT



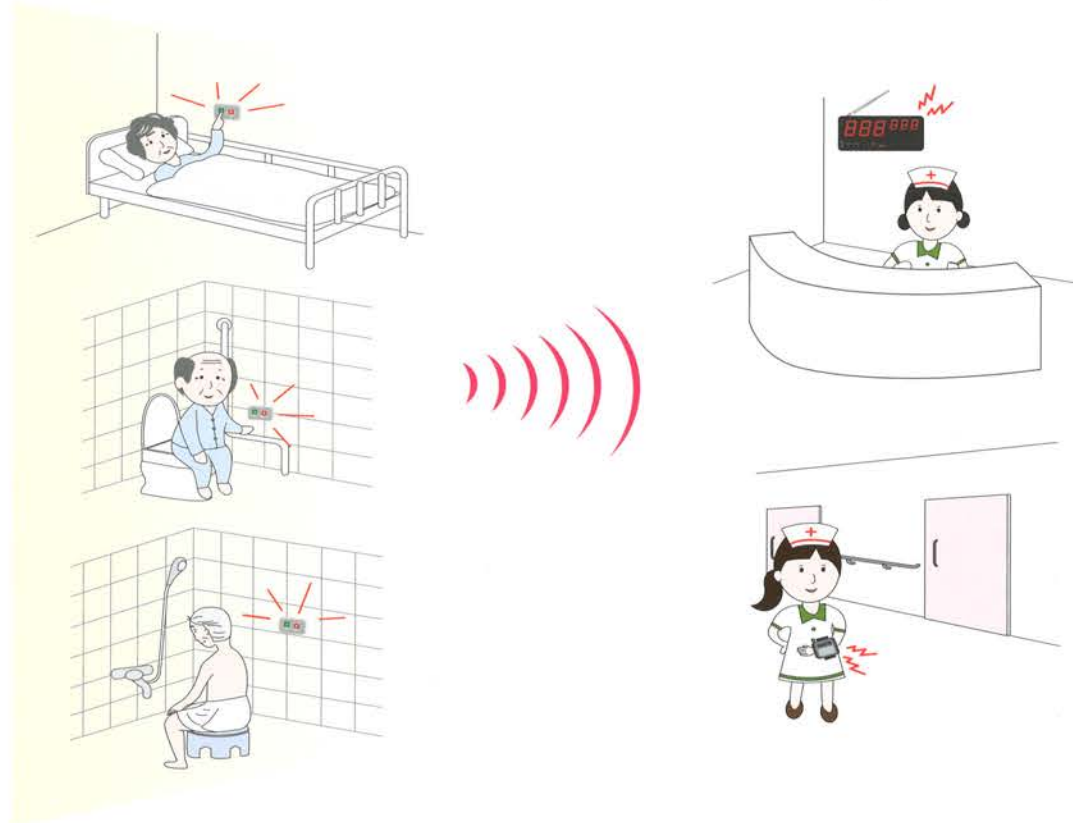
SOLT CARE SYSTEM

Hospital Wireless Nurse Call System
Floor Mat Type Wandering Detecting System
Specification
Certificate



Hospital Wireless Nurse Call System

This is an efficient emergency wireless nurse call transmitting location information to both the wireless receiver fixed to a nurse station and the portable receiver carried by the nurse in charge at the same time as soon as a paging bell mounted on the wall of a patient room, toilet or bath room is pressed in case of emergency so that they can quickly respond to the situation.



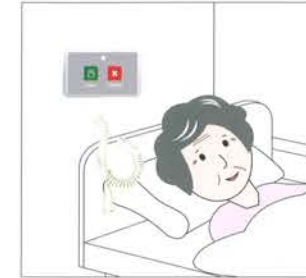
► Main Features

- It makes possible to respond to the emergency situation quickly and correctly.
- As a wireless system, it is economic as it costs less in installation and maintenance.
- It is easily expandable and relocated to another place.
- It can be configured in various ways depending on the environment of the facilities and the behaviour pattern of inpatients.
- Signals are transmitted to both a fixed monitor type receiver and a portable receiver at the same time.
- It just requires only simple operation to add new registration or change the system configuration without additional construction after initially installed.
- As multiple wireless transmission method is employed in this system, each receiver works independently, which means that, even one receiver is failed, the other one is still working properly.

► Multi-stage repeater system enabling to transmit signals from one repeater to another



► How to use the system



Providing patients with convenience by using a push button

It makes possible for a patient to conveniently page a nurse to ask for a help while he/she is lying on the bed by pressing a push button connected to paging codes, which is provided to the patient who cannot move to use a fixed paging bell.



Avoiding confusion in business duplication by providing a checking function

Immediate care is available when a paging signal is received from a patient in the room or on the bed in case of an emergency and business duplication among managers can be avoidable thanks to a check button function at the same time.



Providing PC-based monitoring program for hospital use

It is a PC program to make it possible to manage and analyse information through search and statistic process by date, time and place it occurred after storing various kinds of paging information made by patients within the hospital as well as monitoring information in the emergency situation in the form of DB file in a PC.



Floor mat type of sensor

It transmits a danger signal to nurses and a guardian when a patient steps on the floor mat placed under the bed to prevent the patient from wandering and falling from the bed so that they can take care of the patient safely.



Magnet type sensor for detecting patient's move

It transmits signals to the nurse station and the guardian(or caregivers) when the magnet sensor part is detached from the signal generating part by move of patient who should not move slightly and needs an intensive care. The magnet sensor part is connected to patient's clothes or a part of body which should be kept not moving.



Emergency paging system installed in a toilet

It is a system enabling a patient to ask an administrator and a security for a help by pressing an emergency paging bell in case an emergency situation is broken out in a toilet, which sends signals to the wireless receiver installed outside of the toilet to cause primarily to turn on a warning siren and light and secondary the location information to be transmitted to the fixed wireless receiver installed in the security office.



Help bell for the disabled

It allows people such as the disabled, pregnant women, the elderly, etc. who are in need of help to ask for a help when visiting a public institution by pressing the help bell installed in the main entrance, which sends a paging signal to the receiving monitor installed in the information desk or security room.

Floor Mat Type Wandering Detecting System

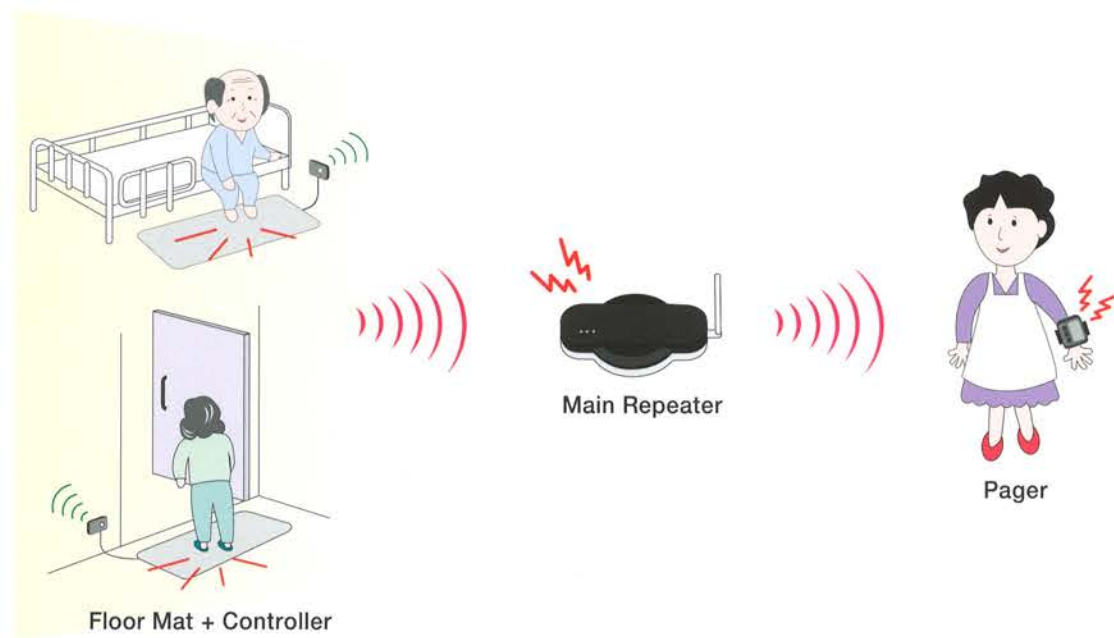
No separate communication expense or registration is required.
 Portable receiver giving freedom to guardians to move broader
 Easy even for a guardian hard of hearing or bereft of hearing to use (with the portable receiver)

► What is 'Floor Mat Type Wandering Detecting System'?

As a system detecting and informing the guardian when a person with dementia or mental disease, who has symptoms of wandering or losing his/her way, leaves the area he/she is supposed to be without being supervised, this is used to prevent disappearance, accident, etc. of such a person from occurring in advance.

► System Diagram

If a person with dementia or mental disease steps on the floor mat, alarm sound will be activated primarily from the main receiver and secondarily from the portable receiver carried with a guardian so that the guardian can protect and take care of the person under supervision safely from various accidents.



► Main features

- Floor mat and controller are operated by battery power and can be placed anywhere without restriction.
- Alarm sound is activated from the main receiver and portable receiver simultaneously to help a guardian protect and take care of the person under supervision more thoroughly.
- The number of alarm sound to be activated from the main receiver can be set depending on the situation. (You can set it between 1~999 and alarm sound will keep on activating until you stop it by pressing OK button when it is set 999)
- Main repeater tells you when the battery in the controller needs to be replaced to avoid malfunction of the system due to low battery.
- Portable receiver is rechargeable and no separate battery cost is spent.
- The battery level displayed on the screen of the portable receiver shows when the battery needs to be charged.

► How to use the system



Providing a guardian with freedom to move broader away from the person under supervision. Signals can be received wirelessly by the portable receiver anywhere in the house.



You do not need to disturb other family members when use at night. Recommend to set the portable receiver in vibration mode at night not to disturb other family members



Paging the guardian conveniently using a paging bell. Simply press the paging bell to page the guardian when any help is needed.



Possible to connect the system with a nurse call wirelessly when using it in a hospital. If the wandering detecting system is networked with a paging bell in a hospital room, it can be used as an emergency paging system within the hospital.

Main Repeater



Size	146W x 90L x 32H (mm)
Weight	about 114g
RF	FSK
Freq.	400MHz band
Antenna	External Dipole antenna
Reception Type	Omn-directional (360°)
Power Supply	DC12V 1A External Adapter

Pager



Size	37W x 49L x 13.5H (mm)
Weight	38g (Wrist Type)
RF	FSK
Freq.	400MHz band
Antenna	Built-in Helical Antenna
Reception Type	Omn-directional (360°)
Power Supply	Rechargeable Li-polymer 250mAh DC 3.7V

Controller



Size	100W x 60L x 16.5H (mm)
Weight	45g
RF	FSK
Freq.	400MHz band
Antenna	Built-in PCB Antenna
Reception Type	Omn-directional (360°)
Power Supply	CR2032 Coin Cell Battery 2EA

Floor Mat



Size	900W x 600L (mm)
Weight	1500g
Color	Mat (White)
Material	PVC
Sensing weight	more than 10kg

[Extra configuration] Bell



Size / Weight	100W x 60L x 16.5H (mm) / 45g
RF / Freq.	FSK / 400MHz band
Antenna / Reception Type	Built-in PCB Antenna / Omni-directional (360°)
Power Supply	CR2032 Coin Cell Battery 2EA

Specification

Main

- Reliable signal reception is guaranteed by adopting FSK method
- Possible to display both in numbers or English letters (dash symbol (-, _) and spacing)
- Built-in CPU, Proprietary protocol system unique to Solt
- No interference of electronic wave with other workplace is occurred at all
- 22 kinds of various bell sounds are preloaded (Bell sound can be set differently by paging number)
- Dimension : 288W x 133L x 40H (mm)
- Weight : about 640g
- Frequency : 400MHz band
- Antenna : External Dipole antenna
- Bell ID Memory Capacity : Max. 1,000
- Power Supply : DC12V / 1A External Adapter



Bell

- Reliable signal reception is guaranteed by adopting FSK method
- Built-in CPU, Proprietary protocol system unique to Solt
- No interference of electronic wave with other workplace is occurred at all
- Reduction of battery consumption by controlling RF transmission
- Possible to transmit signals more than 10,000 times
- A high brightness LED is used for the button light
- Water-resistant
- Size / Weight
- SB3 : 66W x 42L x 11H (mm) / 20g
- SB5 : 58φ x 12.6H (mm) / 20g
- SB7 : 60φ x 15H (mm) / 29g
- SB9 : 74W x 46L x 11H (mm) / 27g
- Color : White / Brown / Black
- Transmitter(FSK Low Power Data Transmission Standard)
- Frequency : 400MHz band
- Antenna : Built-in PCB Antenna
- Transmission Type : Omnidirectional (360°)



- SB6-2XWH-P : Push button type (Custom-made)
- SB6-2XWH-PD : Push button type (Custom-made)
- SB6-2XWH-S : Pull string type (Custom-made)
- SB6-2XWH-F : Foot button type (Custom-made)
- Button sticker: Custom-made is available



Pager

- Size / Weight : (SP5) 56W x 42L x 16H (mm) / 40g (SP7) 37W x 49L x 13.5H (mm)
- Transmitter(FSK Low Power Data Transmission Standard)
- Frequency : 400MHz band
- Antenna : Built-in Helical Antenna
- Transmission Type : Omni-directional (360°)
- Bell ID Memory Capacity : Max. 1,000
- Power Supply : Rechargeable Li-polymer (SP5) 600mAh DC 3.7V / (SP7) 250mAh DC 3.7V



Repeater

- Possible to configure cell planning optimally even in the place where multiple repeaters are installed.
- Possible to set transmission and reception time of duplicated data in order to build stable radio wave environment
- Size / Weight: 146W x 90L x 32H (mm) / 114g
- Transmitter(FSK Low Power Data Transmission Standard) / 400MHz band
- Antenna : External Dipole antenna
- Power Supply : DC12V / 1A External Adapter



Monitoring Receiver

- Possible to manage workplace efficiently through monitoring
- Data transmission via PC and RS232C port
- Size / Weight: 146W x 90L x 32H (mm) / 114g
- Transmitter(FSK Low Power Data Transmission Standard) / 400MHz band
- Antenna : External Dipole antenna
- Power Supply : DC12V / 1A External Adapter



Certificate



SÔLT , a company specialized in wireless calling system, is doing all his best to provide customers with high quality products and satisfaction based on ISO 9001 quality management system. Solt is always focusing on research and development of wireless solutions so as to give hope and happiness to elderly and disabled people who suffer from various diseases and disorders. Solt has an ultimate goal to make a contribution to establishing an advanced welfare society and will put all the efforts to achieve the goal through conducting fair and square business.

SÔLT

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