EMFIT®

Bed Exit and Occupancy Monitors

Emfit SafeBed™

SafeBed™ is a new state-of-the-art bed monitoring system for fall and wandering prevention. SafeBed is specifically designed for persons who are unable to summon for help unassisted, such as those suffering from dementia. It consists of a monitor device (D-1070-2G) and under-mattress bed sensor (L-4060SL).

The Emfit bed sensor is totally undetectable as it is installed under the mattress. The notification will sound shortest in 3 seconds after the person has left the bed. It also allows for a preset longer delay so nurse can be notified if the person does not return to bed within the given time. This will provide enough time for going to the bathroom and returning back to bed.

The SafeBed has an audible notification with adjustable volume and dry-contact output for connection to nurse call or personal response systems.

SafeBed uses Emfit's patented, thin-film ferro-electret sensor. As Emfit sensors have no embedded contact surfaces to fail, the sensors are durable and last for years. Thin Emfit sensors are extremely sensitive and do not have any weight limits.

SafeBed monitors the presence or absence of a person in bed by detecting breathing and heart beating.

SafeBed operates as a fall or bed-exit monitor. It monitors the presence or absence of a person in bed by detecting all the person's movements and micro movements, such as those caused by a person's breathing and heart beating. When the bed sensor detects the person has left the bed, notification is triggered. The shortest delay is set at 3 seconds to avoid false alarms. The delay is adjustable up to 60 minutes. This feature gives either quick-time notification of a bed-exit or enables nurses to allow for a person's normal activites, such as going to the bathroom.

SafeBed operates with 2 pcs 1.5 V AA size alkaline batteries. Optionally a medical grade AC adapter is available.

Emfit SafeFloor™

In the summer 2008 released 2nd generation SafeFloor is a new state-of-the-art bed- and door-monitoring system for fall and wandering prevention. SafeFloor is specifically designed for those who should not leave their bed or apartment unassisted, such as those suffering from dementia. It uses Emfit's proprietary, specially thin but durable floor sensor (L-6090SL) and a monitor device (D-1050-2G).

The Emfit floor-sensor L-6090SL is the thinnest on the market being only 2,4 mm thick. As it is unitary, laminated structure it lasts for many years. If liquids are spilled over it, they can easily be wiped away and sensor kept clean with normal household detergents. Therefore it outlasts its competion by years and saves from repeated sensor replacement costs.

When used at a bed-side, the SafeFloor enables an early warning for fall prevention as it gives the notification of the moment the person's feet touch the sensor. This can save many critical seconds, allowing the nurse to better prevent accidental falls. If used at a door to notice caregiver of possible wandering, it is possible to enable 6 seconds delay for care givers to press by-pass button.

SafeFloor enables an early warning for fall prevention as it gives the notification of the moment the person's feet touch the floor.

The SafeFloor monitor has an audible alarm with adjustable volume and dry-contact output for connection to most nurse call systems or personal emergency phones.

Sensor is also available as only 0,4 mm thin without the 2 mm thick PVC cover for permanent, concealable under flooring installation. These 58 cm wide sensors are available at lengths 90, 120 and 150 cm.

In the summer 2008 released 2nd generation monitor is now operated with 2 pcs AA size 1,5 V batteries. An optional, medical grade AC adapter is also available.

Emfit SafeDoor™

Emfit SafeDoor is a smart door monitoring system specially designed for people with dementia. There are an increasing number of people with dementia who live at home or in assisted living facilities. For such persons, the risk of wandering and getting lost is high, especially at night, as there are often times a limited number of personnel to notice someone is missing.

SafeDoor is a discreet and intelligent door monitoring system, that monitors the door and alarms to the caregiver in case of wandering. SafeDoor's advanced functionality notices and alerts only in the event a person goes out of the door, and not just open it. It is also possible to use delay to allow person shortly visit outside.

The monitor device (D-1170-2G) has both audible alarm and dry-contact output for connecting to existing nurse call system. System uses Emfit floor sensor (L-6090SL) inside at the door and magnetic switch at the door frame.

Immediate alarms are most appropriate when help is nearby. If help is far away, as might be the case with in-home care situations, it is very important that the system be as "nuisance-free" as possible so unnecessary check-ups are minimized. Independent people with dementia don't always avoid unnecessary door openings when the alarm is on.

Immediate alarms restrict people who are normally cognitively alert and capable of short walks by themselves. Intelligent SafeDoor makes possible a delayed notification if exceeded and the person has not returned inside. The delayed alarm minimizes unnecessary alarms and enables more independent living.

The new 2009 released 2nd generation monitor is operated with 2 pcs AA size 1,5 V batteries. An optional, medical grade AC adapter is also available.

SafeDoor's advanced functionality notices and alerts only in the event a person goes out of the door, and not just open it.

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