

Aged Care: Patient Monitoring and Fall Prevention Bed Exit Alarm & Floor Mat Alarm

Technical Solutions supply a range of alarm devices that are designed to monitor a patient's movements and detect the patient leaving their bed or chair.

Two Main Types Of Sensors

1 Proximate (HPS) Bed/Chair Exit Alarm -

A Sensor Strip fitted on bed mattress or on chair - detects electric field of human body. Reliable and prompt alert when patient sits up.

2 Floor Mat Switch Alarm -

Mat Switch placed on floor beside bed or in door way. Economical but less reliable and less prompt alert. The patient will already be up before the alarm is activated. (See next Page)

Two Main Alert Signal Options:

• INTEGRATED WITH CALL SYSTEM

When the monitored individual rises the device activates the nurse call system.

• STAND ALONE ALARM

Monitors can also be set up with a 'stand alone' buzzer or pager system. This system may be appropriate in situations where there is no existing call system or where it is desired to have patient monitoring separate from the call system.

BED/CHAIR EXIT ALARM (HPS) INTEGRATED WITH CALL SYSTEM

When the monitored individual rises from the Sensor Strip the device activates the nurse call system - the alarm is usually initiated as soon as



the patient sits up, giving the best chance of having the carer respond in time to prevent a fall.

There are two main components to the wired in system:

1. **The Sensor Strip** – is placed across the bed, directly on top of the mattress, roughly where the residents lower back is expected to be. For use with a chair simply place the Sensor Strip across the seat.
2. **The HPS Interface Unit** – contains the electronics that monitor the mat and a lead that plugs in to the call system.

PROXIMATE BED/CHAIR EXIT ALARM -

STANDARD WIRED VERSION: HPS

BED/CHAIR EXIT ALARM (HPS) STAND ALONE PAGER ALARM

The wireless Pager Version is mostly intended for home use but could be useful in any location that either lacks a nurse call system or prefers not to connect to it.

There are three main components:

1. **The Sensor Strip** - Fitted across the bed as above.
2. **The HPS Alarm Transmitter** – contains the electronics that monitor the mat and a radio transmitter to signal the pager.
3. **The Pager Receiver** - is a small, portable simple to use pager with a belt clip and rechargeable batteries.

PROXIMATE BED/CHAIR EXIT ALARM - PAGER VERSION
FULL KIT INCLUDES: MAT, ALARM TRANSMITTER & PAGER RECEIVER: HPS-P

Proximate HPS Bed Exit and Pager Kit



**Monitor Four Patients With One Pager:
The Wireless Pager Alarm can cater for
up to four HPS Bed Alarms on each Pager
Receiver.**

Aged Care - Patient Monitoring and Fall Prevention

Floor Mat Alarms

The vinyl Mat Switch (79cm x 54cm) is placed on the floor beside the bed or in the door way as required. Standing on the Mat Switch will trigger an alarm that alerts the carer.

FLOOR MAT ALARM - LOCAL BUZZER

The Mat Switch is teamed with a Latching Buzzer Box. Perfect for home care where the wander and carer sleep in the same room. When the patient stands on the mat, a buzzer in the **same room** will sound the alert. The unit will keep buzzing till the carer wakes and resets it.



FLOOR MAT ALARM - LOCAL BUZZER: FMA-BB-LATCH

FLOOR MAT ALARM - WIRELESS BUZZER

Perfect for home care of wanderers: When the patient stands on the mat, a receiver buzzer in the **carer's room** will sound the alert. The receiver unit can be located up to 30 Metres from the bed and will keep buzzing till the carer wakes and resets it.



FLOOR MAT ALARM - WIRELESS BUZZER: FMA-RLCB

FLOOR MAT ALARM - WIRELESS PAGER

The Floor Mat is teamed with a small powerful pager that will operate over distances of up to 300 Metres! The Pager can fit in a pocket or clip onto your belt. Both the Transmitter and the Pager are battery powered which means they are very portable. The standard PRX-ALA-03 Pager beeps and vibrates to alert the carer when activated.



FLOOR MAT ALARM - WIRELESS PAGER: FMA-PAGER

Supported Accommodation: In situations where multiple patients/clients are being cared for, the Alphanumeric Pager Receiver PRX-AL924 can give the carer more patient specific information. eg. it can be programmed to display the room/bed number when a patient stands on the mat. We can set up any number of transmitters (one for each bed) and receivers (one for each carer) to work together as a simple, affordable yet effective call/monitor system.



FLOOR MAT ALARM - ALPHANUMERIC PAGER



We recommend that the floor mat be covered with some form of nonslip mat in order to reduce the risk of falls, the protector should sit flat on the floor. The protector will also protect the mat switch from sharp objects and help disguise it which can be useful as some patients will try to step around the floor mat so as not to disturb their carer.

FLOOR MAT ALARMS TO SUIT NURSE CALL SYSTEMS

Supplied with an appropriate adaptor, the Mat Switch, can be plugged directly into many nurse call systems - the adaptor allows the nurse call pendant to plug in as well. Either pressing the call button or standing on the Mat will trigger the nurse call alert. For more information, please call us or see: www.tecsol.com.au/more.htm

FLOOR MAT ALARM & CALL SYSTEM ADAPTOR:
6MM SINGLE PIN PLUG, FMA-6M
PIN PLUG, MOMENTARY, FMA-NCI
5 PIN PLUG, LATCHING, FMA-NCI-L

Other plug types available: Please call for Quote



Single Pin Plugs,
2 Wire Systems



Five Pin Plug,
Multi-Wire Systems