

# Bed/chair occupancy sensor 869MHz

## What is the bed/chair occupancy sensor?

The bed/chair occupancy sensor is designed to automatically raise an alarm call if a client:

- Has not gone to bed by the predetermined time
- Has not got out of bed by the predetermined time
- Gets out of bed during the night and does not return within the predetermined time period

The solution can be tailored to suit the specific daily activities of the individual. There is an optional facility available to automatically turn on a light or series of lights such as those in the main bedroom, hallway and bathroom in order to minimise the risk of falling should the client get out of bed.

## How does it work?

The bed occupancy sensor consists of a bed pressure pad, which is placed underneath the mattress of the user. A wider bed pad is also available that can be placed on top of the user's mattress in order to increase sensitivity of the solution and overcome issues that can arise when users are very small, light or move significantly during their sleep. When linked to a Lifeline home unit or other Tunstall telecare enabled system, the bed sensor solution assists carers to manage the risks associated with

independent living by raising an alarm should the user get out of bed and not return by a certain time. The sensor can also raise an alert if the user doesn't go to bed by a particular time or doesn't get up by a certain time in the morning, in order to help identify potential issues at an early stage.

The chair occupancy sensor works in the same way, consisting of a chair pressure pad in order to provide a complete occupancy solution.

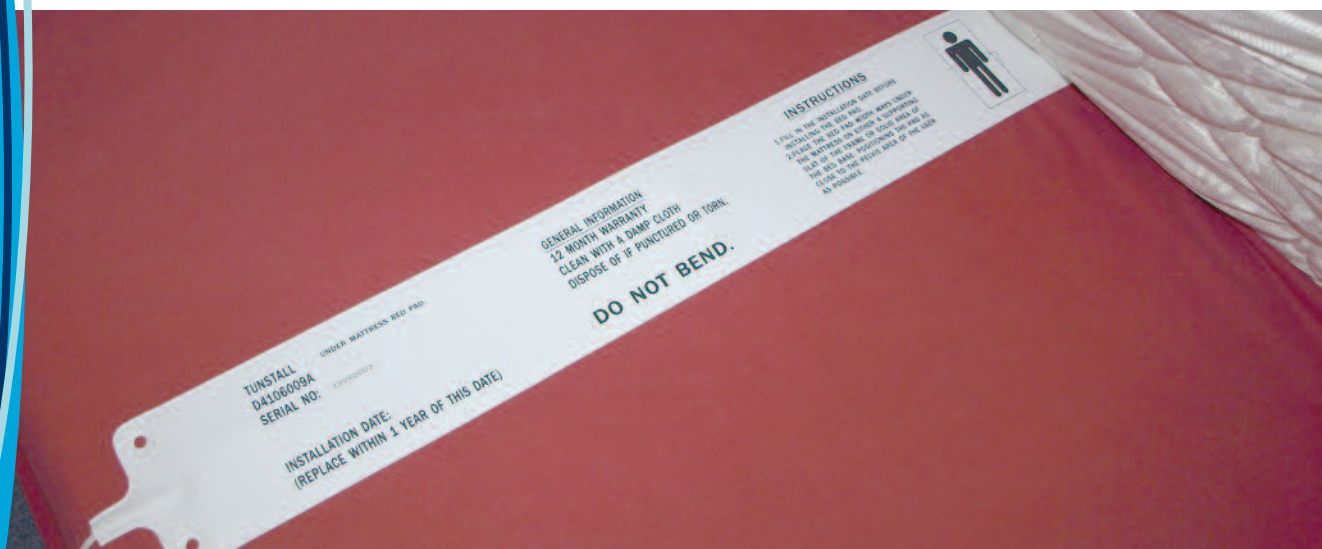
## Who is it for?

It is ideal for the following people:

- Individuals who have recently been discharged from hospital and require additional assistance and support at home
- Elderly, frail or disabled people
- Those with limited mobility such as arthritis
- People of any age receiving medication

## Why is it needed?

Specifically designed to monitor a person's safety at anytime of day or night, this solution reduces the risks to an individual by raising an alert in order to allow trained operators to take the most appropriate action.



All the reassurance you need

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# Features and benefits

- Transmits on the dedicated European 869MHz social alarm frequency for reliable, future proofed operation
- Wireless radio technology for flexibility on installations
- Automatic low battery warning ensuring optimum operation at all times
- Flexible monitoring times that meet individual's needs
- The option to automatically activate bed side lamps and room lights reducing the risk of injury if out of bed during the night
- Ability to raise an alert if the bed is unoccupied for a specified time at night
- Ability to raise an alert if the client fails to go to bed by a certain time or fails to get up in the morning by a certain time, which may indicate the existence of a potential problem

## Technical details

|                       |  |
|-----------------------|--|
| Weight:               | 0.8 Kg   |
| Dimensions:           |  |
| Control Unit:         | 93 x 158 x 34mm (WxHxD)  |
| Bed pad:              | D4106009A - 103 x 762 x 3mm (WxLxD)<br>D4106011A - 254 x 762 x 3mm (WxLxD) |
| Chair pad:            | 300 x 300 x 7mm (WxLxD)  |
| Radio frequency:      | 869.2125MHz  |
| Radio range:          | Up to 50 metres (typical)  |
| Power supply:         | 4 x AA Batteries   |
| Operating temp range: | -10°C to +55°C   |
| Sensor life:          | Bed pads 1 year<br>Chair pad 90 days                                       |
| Battery life:         | Control Unit 2 Years   |
| Battery disposal:     | Disposal in accordance with current legislation                            |



D4106009A



D4106011A

## Standards

|   |   |
|---|---|
| EMC:  | EN55022: 1998, ETSI EN301-489-1:(2000-08) Class 1 |
| EMC:  | EN60950:2000                                      |
| Social alarm:                                     | EN50130-4   |
| EMC:  | Compliant   |
| Manufacture, design,<br>service and installation: | ISO9001   |

|                     |   |
|---------------------|---|
| <i>Part Number:</i> | <i>41005/13 Control Unit</i><br><i>D4106009A Under Mattress Bed Pad (103mm wide)</i><br><i>D4106011A Under / Over Mattress Bed Pad (264mm wide)</i><br><i>S2010005 Chair Pad</i><br><i>41005/05 Extend Switch</i> |
|---------------------|---|

Please Note: The bed/chair pads are consumable items and as such are not serviceable after their life expectancy has expired.

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