

Bed/chair occupancy sensor

What is a bed/chair occupancy sensor?

The bed/chair occupancy sensor is designed to detect pressure. It can be programmed to monitor for activity or inactivity, and can be set to automatically raise an alarm call if a client:

- has not gone to bed by a predetermined time
- has not got out of bed by a predetermined time
- gets out of bed during the night and does not return within a predetermined time period e.g. 20 minutes

The bed/chair occupancy solution can be tailored to suit specific daily activities of an individual client.

An additional product (X10 controller) is also available to automatically turn on a light, or series of lights in the client's home should the client get out of bed. The X10 controller works in conjunction with the bed occupancy sensor and can be programmed to automatically switch on a light such as a bedside lamp, hallway or bathroom light in order to minimise the risk of falling.

How does it work?

The bed/chair occupancy sensor consists of a pressure pad, which is placed underneath the client's mattress or on their chair.

A wider bed pad is also available that can be placed on top of the client's mattress (under sheet) in order to increase sensitivity and overcome issues that can arise when clients are very small, light or move significantly during their sleep.

When linked to a Tunstall medical alarm, the bed sensor solution assists to manage the risks associated with independent living by raising an alarm should a predetermined time period pass without pressure being (re)applied to the bed/chair pad.

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
- those with dementia with a tendency to wander
- people of any age receiving medication



Technical details

bed/chair occupancy sensor

Weight:

0.8 kg

Dimensions: (WxHxD)

Control unit: 41005/13: 93x158x34mm

Bed pad: D4106009A (under mattress): 103x762x3mm

Bed pad: D4106011A (above mattress): 254x762x3mm

Chair pad: S2010005: 300x300x7mm

Radio frequency:

312 MHZ frequency band

Radio range:

Up to 50m (typical)

Battery life:

Control unit 2 years

Sensor life:

Bed pads 1 year

Chair pad 90 days

Power supply:

4 x AA batteries

Operating temperature range:

0°C to 45°C (Storage -10°C to 50°C)

Standards

EMC:

EN55022: 1998, ETSI EN301-489-1(2000-08) Class 1

Safety:

EN 60950:2000

Radio:

ETSI EN300 220-2

CE*:

Compliant

Social alarm

EN50130-4

Design, manufacture, installation and service

ISO9001:2008, AS4607

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