

All the reassurance you need



### Bed/Chair Occupancy Sensor (869MHz) User Guide.



The Occupancy Sensor has been designed to identify problems that may occur when leaving the safety of the bed or chair. The installer can configure this sensor in many different ways, giving options to turn lights on or extend the time of monitoring after leaving the bed/chair.

The installer will position the sensors in the correction location in accordance with the installation manual. They will also configure the system. The current configuration is as follows (installer, please complete as appropriate):

- Between \_\_:\_\_ and \_\_:\_\_ the system will monitor for occupancy. During this time if unoccupancy is detected for more than \_\_\_\_\_ then an alarm call will automatically be made by the Lifeline 400, 4000+ or Telecare Overlay Alarm Platform to a control centre. In addition, an "extension" button may be fitted. This will allow the user to increase the period before the alarm is raised to \_\_\_\_\_ by pressing the button at any time prior to the alarm call being sent.
- Between \_\_:\_\_ and \_\_:\_\_ the device can use X10 to switch on a lamp automatically once out of bed and switch off once back into bed.
- If occupancy is not detected before (the not in bed time) \_\_:\_\_ then an alarm call will automatically be made by the Lifeline telephone to a control centre.
- If occupancy continues after (the still in bed time) \_\_:\_\_ then an alarm call will automatically be made by the Lifeline telephone to a control centre.

#### General Maintenance.

To ensure proper operation of the system please ensure that the blue pad sensing bed or chair occupancy remains positioned correctly in accordance with the installation instructions. It is recommended that a test call is made at regular intervals.

#### Battery Replacement:

None of the batteries in this unit can be replaced by the user.

#### Environmental

The Occupancy Sensor will operate between -10°C and +55°C.

**Reliance should not be placed on the Occupancy Sensor, model number 41005/01, for life safety.**

#### Intended use

The Occupancy Sensor, model number 41005/01, operates at a frequency of 869.2125MHz and is intended for use within the UK and EIRE compatible with LL400, 4000+ and Telecare Overlay Alarm Platforms.

#### Radio Published Parameters

**Approval:** This product is marked with a CE mark and constitutes a Class 2.7 device. The radio system has been designed to comply with EN50134 series of European Norm standards specific to Social Alarms.

The product exceeds the requirement for Electromagnetic Compatibility (EMC) standard BS EN 50130 part 4; which sets criteria for EMC Immunity for components of fire, intruder and social alarm systems. The X10 interface is not classified as part of the social alarm system.

The radio triggers (and receiver) are in accordance with the specific European Social Alarm radio frequency band allocation (from 869.20 to 869.25MHz). They operate at 869.2125 MHz.

The radio transmitter complies with mandatory radio standards for Short Range Devices (SRD) ETSI EN 300-220: Its parameters are:

The transmitter follows a pre programmed cycle leading to a typical duty cycle class of 1 (<0.1%):	A class 2.7 device
Effective radiated power 200 micro Watts	Frequency error ± 3 kHz maximum
Adjacent channel power <100 nano Watts	
Effective range up to 50m (into standard alarm telephone)	Intended area for use is Europe
Intended environment is group II - indoor in general with intended operating temperature between -10 to +55 Celsius	Expected battery life 24 months

#### Declaration of Conformity

We, Tunstall Telecom of Whitley Lodge, Whitley Bridge, Yorkshire, England, DN14 0HR Declare that the 869 Occupancy Sensor conforms to the essential requirements of the RTTE directive 1999/5/EC. Essential radio test suites have been carried out.

Model Number: 41005/01

Applicable standards:


**EMC** EN 55022:1998  
 ETSI EN301-489-1:(2000-08) Class 1

**Safety** EN 60950:2000

**Radio** ETSI EN 300 220-3:2000

**Social Alarm** EN50130-4:1995 + amendment A1:1998

Signed

Technical Director  Date 29 May 2003  
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 The CE mark was first applied in May 2003

