

TELECARE SENSORS (from Tunstall Telehealthcare; please note hyperlinks will direct to their website)

Personal health and well-being



Bed/Chair Occupancy Sensor - provides an early warning by alerting that the user has left their bed or chair and not returned within a preset time period, indicating a potential fall. The sensor can also be programmed to switch on lights, helping people find their way to and from bed easily.



Enuresis Sensor - Placed between the mattress and sheet, this sensor provides immediate warning on detection of moisture, allowing effective action to be taken. The sensor eliminates the need for carers to make physical checks, promoting dignity and independence.



Epilepsy Sensor - This state of the art sensor monitors the user's vital signs including heart rate and breathing patterns to detect a range of epileptic seizures. The sensor eliminates the need for carers to make physical checks, promoting independence and dignity.



Fall Detector - 8,000 older people fall every day in the UK. Tunstall's fall detector can provide valuable peace of mind by automatically detecting a serious fall and raising an alert to the monitoring centre or designated carer.



Medication Dispenser - Provides an effective solution to support medication compliance by automatically dispensing medication and providing audible and visual alerts to the user each time medication should be taken. If the user fails to access the medication, an alert is raised to the monitoring centre or designated carer.



Reminder messages - The reminder functionality of the Lifeline Connect+ informs the user about key information, for example a family member can record a message to remind the user to take a their medication at a particular time. If the user hasn't confirmed receipt of the message, an alert will be raised with the monitoring centre, who can proactively call the user to check everything is alright.



Fast PIR (Movement Detector) - A wireless movement detector that has been enhanced to enable its use the new features of the Lifeline Connect+, including Virtual Sensors and ADLife. It can also be used as part of an intruder alarm and for both activity and inactivity monitoring.



PIR (Movement Detector) - A wireless movement detector that can be used for both activity and inactivity monitoring, for example, to check if a person has got out of bed or visited the kitchen.



Pressure Mat - Monitors movement in a specific area, for example to monitor if someone has got of bed or left the house.



Property Exit Sensor - As 40% of people with dementia are prone to walking about, this sensor specifically monitors for people leaving a building at unusual times of day or night. It can also detect if a main exit door has been left open and can be linked to external lighting to provide added protection.



Pull Cord (Radio) - To raise alerts in areas where personal triggers are unlikely to be worn e.g. positioned next to the bed. A wired version is also available.



Radio Frequency Identification (RFID) Buttons - Providing dignity in care for laundry management.



Minuet Watch - This has been developed to help encourage telecare users to wear their personal triggers throughout the day. By combining an alarm button with a high quality watch, users are more likely to wear it and as a result will be provided with additional protection as their ability to raise an alarm is increased.



Personal Trigger (Radio) - Amie & Gem - Worn round the neck, on the wrist or attached to an item of clothing, personal triggers enable a call for help to be raised anywhere in the home or garden. Both operate on the 173MHz frequency.



Personal Trigger (Radio) - Amie+ & Gem+ - Enhanced to operate on the 869MHz dedicated social alarm frequency, enabling maximum reliability. Click [here](#) to view the wearing options and easy press adaptors for the Amie+ and Gem+.

Environmental monitoring



Carbon Monoxide Detector (wireless) - Warns of dangerous CO levels which otherwise could go undetected, providing unrivalled levels of accuracy and reliability.



Flood Detector - Provides an early warning of flood situations, such as taps being left on.



Gas Shut Off Valve - When combined with the natural gas detector, this solution automatically cuts off the gas supply to an appliance when a leak is detected.



Natural Gas Detector - Provides an early warning of dangerous levels of gas. Can be linked to the Gas Shut Off Valve to automatically cut the gas supply off, if a leak is detected.



Smoke Detector (wireless) - Enhanced with new features such as auto low battery reporting, only one battery for ease of management and accreditation to the very latest standard for smoke detectors.



Heat Detector - The wireless Heat Detector provides additional protection against the risk of fires in rooms where smoke detectors are unsuitable e.g. kitchen.



Temperature Extremes Sensor - Monitors for low and high temperature extremes in addition to rate of rise of temperature. Helps minimise the risks associated with changes in temperature including the build up of heat in a kitchen and the risk of sustained periods of cold weather.



X-10 Controllers - Can be used in conjunction with the Bed/Chair Occupancy and Property Exit Sensors in order to switch on lights when a sensor is activated.

Safety and security



Bogus Caller Button - Fixed near the door, this button will provide reassurance in the event of an unexpected caller.



Arm/Disarm Trigger - Allows users to protect their property by arming the intruder functionality on vacating their dwelling, and then disarming it in the same way as they re-enter.



Zoning Button - Allows users of intruder alarm functionality to zone the downstairs of their property e.g. at night. This means that users will not need to 'beat' the zoning delay time before the system arms therefore users can take as much time as required to walk up the stairs without needing to panic.

Sensory impairments

DDA Solution - Tunstall's DDA Solution combines a pager, transmitter, under pillow pad and optional flashing beacon to provide visually impaired people with additional support and protection by ensuring they are immediately alerted when an alarm is raised.



DDA Vibrating pager - When a telecare sensor is activated, the Lifeline sends a signal to the DDA transmitter, which alerts the wearer by vibrating an LED.



DDA Pager charger including pillow alert - The DDA pager charger is required to charge the pager. The cradle also links to a vibrating under pillow alert and when the pager is in the cradle, it automatically vibrates when an alarm is raised.



DDA Flashing beacon - The beacon works with the pager and flashes to indicate when a telecare alarm has been raised