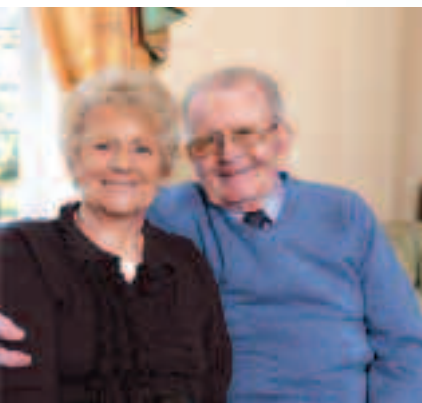


Peace of mind



Telehealthcare - improving quality of life

Who we are

The Tunstall Emergency Response Healthcare Group is the world's leading provider of telehealthcare solutions. Operating in over 30 countries, we support over 2.5m people throughout the globe.

Tunstall's telehealthcare solutions play a pivotal role in supporting older people and those with long-term conditions to live independently, by effectively managing their health and wellbeing.

Our philosophy

Tunstall's philosophy is simple - to protect, support and care for people - by providing healthcare technology and services that enable anyone in a situation requiring support and reassurance, such as older people or those with long-term needs, to lead an independent life.

Why choose Tunstall Emergency Response?

- The clear market leader in telecare and telehealth - Tunstall supports over 2.5m people around the world
- Founder member of the Continua Health Alliance - ensuring Tunstall's solutions offer the gateway to future interoperability
- World leading technology - quality approved, integrated products and services
- Significant investment in R&D - we are committed to developing new solutions to meet the demands of changing markets
- Certified facilities - Tunstall's design, manufacture, installation and service facilities are certified to ISO 9001:2000

For further information on any of Tunstall
Emergency Response solutions, please call
1850 247999

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Tunstall's solutions are designed to improve quality of life, giving the user the confidence and ability to remain in their own home safe in the knowledge that help will always be available when and if it is needed. Although technology alone is not the complete answer, used as part of a holistic package of services, it can reduce the burden on health and social care resources.

This comprehensive portfolio details Tunstall's telecare and telehealth solutions currently available for individual homes and grouped housing developments to assist in choosing the most appropriate products for your requirements.

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What is Telecare?

Telecare is the continuous, automatic and remote monitoring of real time emergencies and lifestyle changes over time in order to manage the risks associated with independent living.

Telecare involves placing a variety of discreet sensors around the home, to monitor for environmental risks such as smoke, floods and gas, and personal risks such as falls, epilepsy and property exit.

Telecare in Individual Homes

Tunstall's innovative range of non-intrusive telecare sensors, work with Lifeline home units to offer a comprehensive way of managing the risks to a person's independence, health and home environment, 24 hours a day, 7 days a week.

Telecare in Grouped Housing

Tunstall's range of advanced solutions for grouped housing schemes provide peace of mind for both residents and care staff, by enabling easy communication. Grouped housing communities can utilise Tunstall's range of telecare sensors to ensure that on and offsite care staff are immediately alerted to potentially dangerous situations.

What is Telehealth?

Telehealth is the consistent, reliable and accurate remote monitoring of a patient's vital signs through the use of easy to use equipment that healthcare professionals can customise to each patient, enabling individuals to manage their own condition more effectively at home.

Tunstall's range of telehealth solutions offer a way of delivering tailored care for patients with long term conditions in their own homes, improving quality of life and preventing avoidable hospital admissions.

Monitoring Centre Solutions

Tunstall's monitoring centre solutions include PNC6, the most advanced and powerful monitoring centre platform in the world. Designed specifically for telecare services, PNC6 ensures that operators are provided with information regarding the telecare user, the sensor activated and the sensors location within the user's home when they receive an alarm call.

Telecare Home Units

Tunstall Lifeline home units form intelligent centres at the heart of the home to help all kinds of people of all ages to live independently. Lifeline home units can be used to raise an alarm call from anywhere in the home by simply pressing a radio trigger, the large illuminated red button on the unit or automatically via the range of telecare sensors, wirelessly linked to the home unit. Please see the telecare sensors section for more details.

Lifeline Vi+

The Lifeline Vi+ is Tunstall's sixth generation home unit and sets a new benchmark in the development of telecare solutions. It's the most technically advanced, flexible and simple-to-use telecare platform we've ever made.

Key features include:

- 35 telecare sensor inputs, 1 hard wired input and 1 output
- Critical visits management facility
- Event-based configuration - maximising flexibility
- Reminder facility - recordable remotely and locally
- User recordable messages
- Virtual Sensors* - intelligently combines sensor activations
- Optional local audible warnings
- MyLife compatible
- Inductive loop compatible
- Automated regular pendant test reminder
- Integral ambient temperature sensor with programmable high and low alerts



MyAmie

Product Statistics

Weight:	572g (939g packaged)
Dimensions:	185 x 122 x 41mm (W x L x D)
Mains power:	Minimum 40 hours of standby operation, with one 30 minute alarm call (minimum expected at date of purchase and when fully charged).

Item	Part number
Lifeline Vi+ & MyAmie*	57102/321
MyLife adapters	(see page 19)
Wall mount	D5102130
Wall mount and table stand	D5102132

*Note - Personal radio triggers packaged with Lifeline home units are supplied with neck cord and 10mm wrist strap wearing options.

*Requires Fast PIRs (see page 13). Some features require PNC5/6 for full functionality, please see data sheet for more information.

*Note - the reminder functionality provided by Lifeline Vi+ may be a useful aid to complement professional medication compliance measures, however it should not be relied upon as a medication compliance device. No guarantee of actual compliance should be relied upon when using this functionality. Lifeline Vi+ is not a medical device and Tunstall is not responsible for any outcome associated with the programming or use of the reminder functionality.

Lifeline Dual

Lifeline Dual is Tunstall's first Lifeline home unit with an integrated GSM module to enable the unit to be deployed on a mobile phone network or landline. This provides a simple solution when no landline is available. The Lifeline Dual also utilises Tunstall's patent protected STMF protocol to ensure reliable communication to a PNC monitoring centre over the GSM network. MyAmie pendant supplied with unit.



Key features include:

- Connect up to 12 telecare sensors
- Programming keypad for simple setup
- Event-based configuration – maximising flexibility
- Inactivity monitoring MyAmie
- Intruder monitoring
- STMF Protocol - to ensure more reliable communication to a PNC monitoring centre over GSM and NGN networks

Sim Card to be provided by client.

Item

Lifeline Dual & MyAmie

Part number

56000/320

*Note - Personal radio triggers packaged with Lifeline home units are supplied with neck cord and 10mm wrist strap wearing options.

MyAmie



Product Statistics

Weight:	777g
Dimensions:	195 x 215 x 36mm (WxLxD)
Mains power:	30 hours of stand-by operation, 15 hours with one 30 minute alarm call (minimum expected at date of purchase and when fully charged).

Vega GPS Bracelet

Whenever you need assistance, anywhere in your home or garden, out on the land, walking, cycling, simply press your Vega Bracelet. The attractive, lightweight and waterproof button is easy to wear. The Vega home unit is simply plugged into an electric socket. It only takes a few minutes to set up. It runs on GPS so no phone line is required.



Key features include:

- Geo Positioning via the Assisted-GPS. To help locate the wearer if required.
- Waterproof and shock-resistant with battery life of up to five days.
- Time, Date, Battery Level and Network Availability Button.
- Two-way voice communication via the hands-free GSM/GPRS phone.
- Voice calls can be initiated by the alarm centre at any time if required.
- Audio and Visual confirmation on device.

Oysta Pearl+

The Pearl+ mobile is a portable safety device which is small in size and lightweight. It is designed for both personal security and has an inbuilt emergency button as well as a motion sensor. Both these features ensure direct contact to your chosen emergency contact or monitoring centre should you encounter a difficult or threatening situation. As your location will be known, the responder can deal with the situation efficiently and effectively.

Key Features

One Touch SOS Button

If you are in distress, press the SOS button to get immediate help. The **Oysta Pearl+** will send your details to your chosen contact or the monitoring centre.

Welfare Check

A command can be sent to the device which will automatically ask the user if they are 'OK' by showing a message on the screen at a designated time interval. If the user does not confirm 'OK' an alert can be sent to the chosen contact or the monitoring centre.

Safety Zones

It is possible to create up to 4 Safety Zones (both in and out zone alerts) specific to your device. Using GPS functionality you can receive the location of your **Oysta Pearl+** with an accuracy of up to 5 metres.

Fall Sensor

The **Oysta Pearl+** is equipped with a Fall Sensor which immediately sends out alert information in case a fall is detected.

Power Status

The device automatically sends out alert information when the **Oysta Pearl+** is switched on or off and when the battery power is low or charging.

Amber Alert

Pre-set your amber alert timer when going into a potential conflict area. If you do not cancel your amber alert within the agreed time period an alert will be sent to your emergency contact or the monitoring centre.

Non Movement

The **Oysta Pearl+** automatically detects when there is no movement and will stop sending its position to save battery power and data usage. As soon as it detects movement (based on settings) it will start cycling again.

Who is the Oysta Pearl+ for?

- Vulnerable People
- Telecare users
- Care Workers
- Lone Workers
- Security Guards

Alerts

The **Oysta Pearl+** allows users to log their whereabouts, daily tasks and expected durations and get GPS location fixes. If an activity log deviates from what is expected an alert is sent to the emergency contact or to the monitoring centre. From the monitoring centre the operators call the user to verify their safety. If the user cannot be reached, a nominated respondent will be notified informing them of the alert. At this stage an agreed protocol will be followed to verify the user's safety and location.

Should the users safety be compromised at any time they can easily summon emergency help with the press of a covert panic button on the **Pearl+** device. Immediately an alert is sent to the emergency contact or to the monitoring centre. From the monitoring centre the operators call the user to verify their safety. If the user cannot be reached, a nominated respondent will be notified informing them of the alert. At this stage an agreed protocol will be followed to verify the user's safety and location. The location information is invaluable if there is a need to notify the emergency services.



Carephone Landline

The Carephone Landline is a DECT telephone device that allows a user to programme three numbers as emergency contacts. They then wear the waterproof SOS pendant either around their neck on a wrist strap or on their belt.

In the event of emergency they simply press the SOS button and the unit will call their three nominated contacts in a specially designed sequence until the call is answered. The user can talk into the pendant as well as listen.

This is a total unique feature.

Key features include:

- Two Way Audio in Pendant
- 40m indoor range
- Four days standby
- Voice prompt on answer - device isn't fooled by voicemail
- Out of range alarm
- Waterproof pendant
- Low battery alert
- SOS alert over 100db
- Pill Alarm - For medication reminders
- Options for two Pendants

Accessories

Wrist Strap

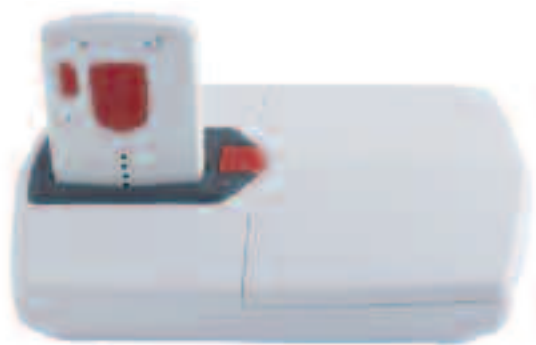
If a user doesn't want to wear the pendant around their neck on a cord they can wear the unit on their wrist like a watch.

Belt Clip

If a user doesn't want to wear the pendant around their neck or on a wrist strap they can put it on an easy to use belt clip.

Additional Pendants

The base unit provided can support two pendants at the same time, this is useful for users who either forget to charge the device or would like to wear it 24/7 in a charging cycle between two pendants



Telecare Sensors

Telecare consists of various sensors placed around the home linked to a Lifeline home unit or other Tunstall telecare enabled system and monitored 24 hours a day, 365 days a year by a monitoring centre, allowing swift action to be taken should an incident occur. A wide range of sensors are now available that can help to manage risks within the home enabling people to live safely and independently for longer. The range of sensors provides greater reassurance and protection of users by monitoring for a diverse range of risks.

Which sensors do I need?

The following pages contain the full list of available sensors that can be selected and interchanged to meet individual needs. A number of telecare alerting devices are also available to ensure the telecare user or their carer is quickly made aware of a telecare alarm.

Terms of reference

Compatibility - The compatibility of each sensor with Lifeline home units and Tunstall telecare enabled systems is for guidance only.

When Telecare Overlay is mentioned this refers to any grouped system that is fitted with 869MHz radio receivers.

Battery life - period indicated is the average life depending on usage. See battery info guide, for more details.

MyAmie

The MyAmie is a small, discreet pendant, operating on the 869MHz European Social Alarm frequency, which allows the user to raise an alarm call in an emergency, even if the home unit is out of reach or in another room.

In response to feedback we've designed a very comfortable to wear pendant that is half the size of the Amie+, yet the red button is a third larger. The unique oval design enables the pendant to be switched around for use with either a wide or a narrow wrist strap as well as supporting multiple wearing options – wrist, neck, key ring, belt clip.



Please note that all new orders placed for Amie+ or Gem+ will be fulfilled with the new pendant.

Item
MyAmie (869MHz)

Part number
P68005/01

Product Statistics

Weight: 7g
Dimensions: 36 x 27 x 14 (LxWxD)
Range: Up to 50 metres (typical)
Battery life: Up to 5 years (non replaceable)

Compatibility – Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist.

Note – supplied with neck cord, other wearing options are available.

MyAmie Accessories

Item	Part number
Wrist Strap 20mm	D6702145A
Wrist Strap 10mm	D6702135A
Belt Clip*	D6702136A
Neck Cord	D6702137A
Easy Press Adaptor	D6702112A
Key Ring	D6702128A
Key Ring and Belt Clip*	D6702140A
Wrist Strap (10mm) and Neck Cord	D6702133A
Wrist Strap (20mm) and Neck Cord	D6702144A



Belt Clip



Neck Cord



Wrist Strap 20mm



Easy Press Adaptor

*Belt Clip is also used to wallmount MyAmie triggers

Minuet Watch

The Minuet Watch has been developed to help encourage telecare users to wear their personal triggers throughout the day. By combining an alarm button into 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 call is increased.

The Swiss designed watch is waterproof to IP67 standard to provide protection from brief submergence in water and also incorporates an LED to provide the user with visual reassurance that the alarm button has been pressed.



Item
Minuet Watch (869 MHz)

Part number
67605/06

Compatibility - Lifeline Vi+/Lifeline Dual/
LifelineConnect/Connect+/400/4000+

Product Statistics

Weight: 24g
Dimensions: 46 x 38 x 13mm (WxHxD)
Range: Up to 50 metres
Battery life: Watch = 5 years (non replaceable)
Radio Transmitter = 3 years (replaceable CR2032)

iVi Fall Detector

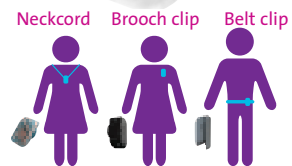
The iVi intelligent pendant is a small, lightweight device and like other pendants, the iVi allows the wearer to press a help button to generate an alarm call when they need help from anywhere in their home, 24 hours a day. The iVi also provides an added layer of protection by automatically generating a call for assistance if a fall is detected and the wearer is unable to push the help button. The iVi has a range of wearing options.

The iVi is ideal for:

- Older or disabled people who are becoming progressively less stable
- Individuals who have been discharged from hospital and require additional support
- People working alone / People with medical conditions such as epilepsy or diabetes

Product Features

- Lightweight, discreet, unisex design with choice of wearing options for ultimate wearability
- Adjustable sensitivity with three different levels to suit individual needs and circumstances
- Ergonomic alert button enabling people with visual impairments or limited dexterity to raise a call for help
- Not-worn alert which will notify the monitoring centre if the iVi has failed to move, indicating it may not have been worn (note this feature is turned off by default)* Now configurable with a choice of 3, 5 or 7 days
- Cancellation button enabling the wearer to cancel activations if required, reducing the number of false calls (this function can be disabled if required)
- Water resistant to IP67 standard enabling the iVi to be worn in the bathroom where falls may pose a particular risk
- Automatic low battery warning - ensuring optimum operation at all times
- Long-life, replaceable battery in easy-open compartment to enable simple replacement.



Item
iVi
Belt Clip
Neck Cord
Brooch Clip

Part number
D6602026
D6602035
D6602027

Product Statistics

Weight: 25g
Dimensions: 58 x 38 x 14mm (LxWxD)
Range: Up to 50 metres (typical)
Battery life: 12 months (depending on usage)

Bogus Caller / Panic Button

This trigger is based on the Gem+ and comes complete with a wall-mounting bracket, for location by a doorway when using as a bogus caller button, or in other areas of a dwelling, when using as a panic button.

Item
Bogus Caller/Panic Button (869MHz)

Part number
P67005/90

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay
Communicall Connect/CareAssist

Product Statistics

Weight: 25g
Dimensions: 48.5 x 16 x 47.5mm (WxHxD)
Range: Up to 50 metres (typical)
Battery life: 5 years



Arm / Disarm / Zoning Trigger

This trigger is based on a MyAmie. It allows users to arm the intruder functionality at the touch of a button on vacating their dwelling and then to disarm it in the same way as they re-enter.

It can also be used as a zoning trigger to enable users to arm PIRs (movement detectors) downstairs whilst disabling sensors upstairs to allow movement during the 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.

The trigger has a grey case in order to differentiate it from a trigger that raises a telecare alarm call and also has a key fob attachment to enable it to be attached to a key ring.



Item
Arm/Disarm/Zoning Trigger (869MHz)

Part number
P68005/08

Product Statistics

Weight: 7g
Dimensions: 36 x 27 x 14mm (LxWxD)
Range: Up to 50 metres (typical)
Battery life: Up to 7 years (non replaceable)

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline 400 with part numbers 37000/345 and 37000/355 Lifeline 4000+ with part numbers 36000/447 and 36000/457 Lifeline Connect/Connect+ Note - supplied with wall mounting clip and key ring accessory.

Chair Occupancy Sensor

The Chair Occupancy Sensor provides real time alerts when a client leaves a chair in order to help prevent falls and also to notify carers of potential issues with wheelchair users.

The sensor can be used with X10 controllers to turn on lights if required.



Item
Chair Occupancy Sensor Mat
Control Unit (869MHz)*

Part number
D4106010A
41005/13

Product Statistics

Weight: 0.8kg
Sensor Mat: 365 x 175 x 3mm (WxLxD)
Control Unit: 95 x 160 x 35mm (WxHxD)
Range: Up to 50 metres (typical)
Battery life: Control Unit battery - 2 years
Sensor life: 1 year

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist * Requires PDA programming kit to configure.

Bed Occupancy Sensor

The Bed Occupancy Sensor is a solution for the protection of people who get up from their beds during the night and fail to return after a specified period of time has elapsed. An extend switch can also be connected to enable the user to easily extend the period of time before an alarm is raised e.g. when getting up at night to make a cup of tea. The sensor can also detect if clients have failed to go to bed at night or have not got up in the morning thus allowing carers to ascertain the cause.

The sensor can be used with X10 controllers to turn on lights in order to minimise the risk of falling in the night.

Under mattress sensor



Item
Bed Occupancy Sensor Mat - under mattress
Bed Occupancy Sensor Mat - over/under mattress
Control Unit (869MHz)*
Extend Switch
Double Bed Adapter**

Part number
D4106009A
D4106011A
41005/13
41005/05
S2204351

Product Statistics

Weight: 0.8Kg
Dimensions: 245 x 762 x 3mm (WxLxD)
Sensor Mat: 103 x 762 x 3mm (WxLxD)
Control Unit: 95 x 160 x 35mm (WxHxD)
Range: Up to 50 metres (typical)
Battery life: Control Unit battery - 2 years
Sensor life: 1 year

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist
*Requires PDA programming kit to configure. **Allows 2 Bed Sensor Mats to be connected to the control unit

Bed Vacation Sensing

P14C Bed Mat. This is the first choice as it suits most situations provided it is used on top of the mattress. The disadvantages are possible damage to mat or wires, especially if incontinence is an issue. The mat is only suitable for single beds. Typical lifetime of the mat is 1 year.



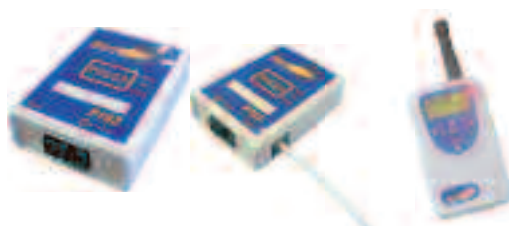
P143G Bed Ribbon sensor performs like the Bed Mat, but has the advantage of fitting underneath the mattress. The unit may not work for restless sleepers as it may trigger at the bed extremities. It may also not work with some bed/mattress combinations depending on the weight of the user. It can be used on double beds in some circumstances.



P144A Bed Leg Weight Sensor. This is ideal for domestic style beds, which are not often moved. It is set by adjusting an internal spring tension for different users and beds will activate an alarm condition when the bed is vacated. This may not be suitable for small children and very lightweight users. It is applicable for single and double beds and, if required, two sensors can be fitted with king sized beds. It is robust, highly reliable and discreet. The cables can be securely hidden. It can also be connected directly to nurse call systems.



The best monitor to be used with these sensors is the P163. This can provide instant or delayed bed exit alarms. It also has a unique "disarm" feature that leaves the system dormant during the day until the user returns to bed or chair. Radio systems based on the P137 pager or direct Nurse Call connection are available.



P161 Door Activity can be used in place of Bed Sensing in cases of nocturnal wandering. P162 Motion Sensor is an excellent replacement for the P150 Mat. Positioned on the floor it does not sense motion in the bed but sends an instant alarm if legs appear at floor level. Being on the other side of the room its beam cannot be avoided and there is no trip hazard. A wired version for direct connection to Nurse Call is available.



Enuresis Sensor

The Enuresis Sensor provides a discreet and efficient means to detect instances of enuresis the moment they occur.

It consists of a thin, waterproof and durable sensor mat, which is positioned under the top sheet of a bed and a radio device.



Item	Part number
Enuresis Sensor Kit (869MHz) (including control unit and sensor mat)	41005/21
Replacement Enuresis Sensor Mat	S2209050

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+ (except part numbers 36000/340 and 36000/350)/Telecare Overlay/Communicall Connect/CareAssist

Note - Enuresis sensor mats should not be returned to Tunstall without a decontamination certificate.

Product Statistics

Weight:	0.8Kg
Control Unit:	95 x 160 x 35mm (WxHxD)
Sensor Mat:	20 x 540 x 1mm (WxHxD)
Range:	Up to 50 metres (typical)
Battery life:	Up to 2 years

Portable Enuresis Support

The S1035E System comprises of a small Detector Unit (P170) which fits snugly onto the waist band of Incontinence Pads or underwear. The unit is then connected by two thin wires to a sensing sheet in the pads which when wet sends an alarm. The alarm is transmitted to a pager using secure high integrity radio. The detector can be used to detect falling and wandering (to order).

The unit has an integral Call Button which can be used to call for assistance if pressed for one second. The unit is battery powered with a single low cost watch battery. Typical battery life is over 3 months and a low battery warning is radioed to the pager.



Moisture Sensing Sheets

P142A Cotton Sheet with embedded sensing wires is the perfect solution to detecting an incontinence episode with comfort and discretion. No more sweaty plastic sheets and false alarms. The connecting cable can be removed for laundering. Sheet is 90cm * 60cm and 4mm in diameter.

P142E introduces the new concept in incontinence management. Using this intelligent sheet with breathable waterproof back allows the removal of pads at night and the frequent checking of those with mild incontinence. A small amount of fluid (300ml) is absorbed without disturbing the user, while a major episode (500ml) will trigger the alarm. This pad area is 90cm * 60cm with a 1.61L capacity.



Epi-Care Free Mobile Epilepsy Alarm

Epi-Care Free Mobile is designed to detect seizures associated with tonic clonic epilepsy. Bringing new wireless technology to the care of people suffering with epilepsy the Epi-Care Free Mobile provides second to none safety features.

The sensor, which is paired with an Android smartphone, will not only detect seizures during the night when the wearer is in bed but also when the wearer is going about their normal daily routine. This allows great freedom to not only the wearer but also to family and caregivers.



The sensor

The Epi-Care Free sensor is worn around the wrist in much the same way as a watch would be worn. The sensor makes ongoing and very precise measurements of any movement in the wrist and is able to recognise the difference between epileptic and normal movements. The sensor has a 2 way wireless connection between itself and the Android smartphone. When

a seizure with motor activity occurs the sensor sends a signal to the phone. The phone will then send text messages, with location details of the wearer, and make a voice call to the designated contacts. Location based contacts can be set up, for example there could be one set of contacts for when the person is at home and another set of contacts for when the person is at work, school or college.

The sensor is connected to the phone using Bluetooth technology which gives it about a 10 metre range from the phone. It is recommended that the phone is kept close to the bed while the wearer is sleeping. Low battery alerts for both the sensor and associated phone can be setup. The sensor is powered by a small battery which needs to be charged once a day. The charging time is about 1 hour and 15 minutes.



The Epi-Care Mobile App.

The Epi-Care Mobile App., which is constantly running on the Android smartphone, monitors the sensor at all times. Warnings will be given, via text messages, if the phone loses contact with the sensor, if the sensor battery is low or if a fault is detected with the sensor. A warning will also be sent if the battery on the phone needs recharging.

There is a log function built into the App. which keeps a record of events. This log, which can be viewed on the phone or emailed directly from the phone, is a very useful diagnostic tool as it allows medical staff to get precise information on the frequency of seizures.

Adults and Children

The Epi-Care Free Mobile has been developed for use with adults and teenagers. It is not suitable for children under 10 years of age. For children under this age we would recommend the Epi-Care 3000. The Epi-Care 3000 can precisely measure the motor activity associated with a seizure while the child is in bed by using a sensor or sensors fixed to the mattress.

Clinical Reference Document available.

The Epi-Care Control Unit

The control unit is in constant contact with the sensor and reacts in the event of a seizure been detected. It will also signal if the sensor battery needs to be recharged or if the sensor goes out of range.

Depending on the version installed alarm calls can be handled in a variety of ways. They can go to our monitoring centre using the Life Line unit, locally to a pager or nurse call system or to a mobile phone if a SIM card* is installed into the control unit. (* GSM version required)

The Epi-Care control unit also contains a log function which keeps a record of events. This log can be used to give precise information to medical staff on the frequency of seizures.



Clinical Reference Document available.

Bedside Companion System

The P154xA Bedside Monitor unit is capable of detecting Spasm induced Bed Movement, sounds associated with distress and Bed Vacation by the addition of the necessary sensors. Any distress condition is immediately communicated to either the P138 pager via a failsafe radio link, or by wired connection to a Nurse Call. The pager can support up to 3 Bedside Monitors (or an extended P137 pager is available for up to 32 clients). The Bed Movement sensor (P114) is well proven and one of the most sensitive on the market. It can assist with even small children exhibiting single limb spasms.

The Sound Sensing uses an optional external microphone (P158), which can be easily adapted for a wide range of use. The system is designed to be sensitive to repetitive bursts of sound, as a client may exhibit during a seizure or severe distress, but to be insensitive to continuous background noise (eg radios and TVs). (A Sound Level Version P154xC can be supplied if required).

The Bed Occupancy detector (P143) can either alert the carer immediately the client gets out of bed, or it can be set to allow the client an acceptable period out of bed (eg for a bathroom visit) and will only sound the alarm if they fail to return. The settings are clear and easy to follow, being mainly a time delay to differentiate between normal and abnormal movement and sound.

The P154 is available ready configured in a number of monitoring systems shown below, or can be supplied configured for a range of applications eg with specific Nurse Call leads, Telephone Diallers or Floor Mats and Panic Button sensors. A version capable of Enuresis Monitoring (P154B) is also available. For more demanding applications, the S1016 Advanced Bed Monitor can provide the additional capabilities of Breathing Monitoring, Vomit and Urination Detection.



Bed Guardian System

The P139 Advanced Multifunction monitor integrates many monitoring functions to support those with Epilepsy, into a single compact device. The monitor has a liquid crystal display screen with back lighting and a touch sensitive keypad for easy operation of the monitor's features. In the event of an alarm condition a high visibility red alarm light flashes on the top of the monitor. There are several screen displays, which provide details and allow adjustment of the various monitor functions. The monitor can be configured to the particular requirements of the user, with as much or as little user/carer control as required. The alarm can be sent to the P137/8 radio pager using our proprietary Safelink protocol, or can activate a Nurse Call System.

Movement Sensor (P140A)

The sensor plate under the mattress can detect cessation of, or abnormal shallow movement patterns that might indicate a Tonic seizure.

Spasm (P140A)

The same sensor plate also detects excessive motion and analyses the size, frequency and time duration of the movement to detect potential Clonic spasms.

Vomit and Urination (P141A lead + P142 sensor)

A thin cotton sheet with embedded sensing wires is placed on top of the mattress or pillow to detect any release of fluid, including dribbling, vomiting or urination.

Bed Vacation (PP57B lead + P143, P144 sensor)

A range of sensors can be used to detect an occupant in the bed, to suit different beds and lifestyles, and disable movement sensing on vacation. It can also send an alarm should the user fail to return within an acceptable period.

External Alarms

The P139 can also be fitted with the P155 Radio Alarm Receiver so that it can become a link into Nurse Call etc for the P135 Fall Alarm Badge or any other Alert-iT monitors.



Motion Detector

The P162 uses the familiar intruder alarm technique of detecting the movement of a human body by infra-red.

- The unit is free-standing and battery powered
- The unit can be disarmed by using a key-fob
- The beam detection angle is matched to detecting bed vacation or even when the client sits up in bed.
- The unit can be mounted above a doorway to monitor entry/exit
- The beam is also perfect for monitoring corridor or doorway use (and can even ignore small pets).



On detecting motion the wired unit (P162A) can trigger a Nurse Call system via the normal wall socket, whereas the P162B can trigger an alarm via secure radio on the P137 and P138 Pagers.

For bed vacation the unit is best positioned about 2m from the bed and set on the floor. Normal movement around the bed will go undetected but once a foot appears in view the alarm is triggered. Alternatively by mounting on a wall or tall furniture at about 60cm above the bed height, the unit will again not trigger through normal bed movement (which is now under the beam), but will trigger when the occupant sits up. The same mounting position but looking across a corridor or doorway will result in detection of clients moving in the area, which ignoring pets at floor height. If mounted above a doorway at near ceiling height, the unit will trigger only when a body crosses the threshold of the door.

Passive Infra-Red Detectors - Dual Mode

The PIR is a wireless movement detector that can be used for both activity and inactivity monitoring.

Item
Standard PIR (869MHz)*

Part number
67005/45

Product Statistics - Passive Infra Red

Weight: 109g
Dimensions: 60 x 90 x 45 (WxHxD)
Range: Up to 50 metres (typical)
Battery life: 12 months to 18 months

*Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/
Connect+/400/4000+/Telecare Overlay/Communicall
Connect/CareAssist



PIR

Pressure Mat

The Pressure Mat can be hard wired to a home unit or speech module or can be used in conjunction with a ROM to provide a wireless link. It can be used for inactivity and intruder monitoring.

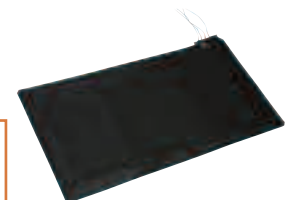
Item
Pressure Mat

Part number
GS140

Product Statistics

Weight: 450g
Dimensions: 700 x 400 x 15 (WxHxD)

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/
Connect+/400/4000+/Telecare Overlay/Communicall



Access Trigger (Carer Trigger)

This trigger is based on the MyAmie. It allows authorised carers to access a client's property once an alarm call has been raised and the need for on site help has been determined. It works in conjunction with a Lifeline Connect+* and electronic door locking mechanism to allow authorised access to a property, without the need to locate a keyholder, thereby reducing the time needed to get help to a user.

Item
Access Trigger (869MHz)

Part number
P68005/10

Product Statistics

Weight: 7g
Dimensions: 36 x 27 x 14mm (LxWxD)
Range: Up to 50 metres (typical)
Battery life: Up to 7 years (non replaceable)

*Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect+/4000+
(Part numbers 36000/447 & 36000/457 only)
Note - the door entry system requires a lock release. Requires installation and survey on the type of door. It can be used on Communicall Connect to allow users to remotely answer door entry calls. It can also be used as a carer trigger.



Door Activity Monitor

The P161 is a small alarm detector capable of detecting activity at a door. It is ideal for detecting clients wandering out of a safe area or needing support when mobile.

- Activity monitoring to warn when the door is opened. Requires no intervention by the care staff (P161A)
- Door usage alarm. The alarm is latched and requires staff to attend the door to reset the alarm and investigate. Ideal for EMERGENCY doors (P161B)

The unit is housed in small 40*110mm case, powered by a Lithium Coin Cell for up to one year, with an alarm on battery low. It is compatible with the P137 pager which can monitor up to 32 sensors (or the P138 for 3 sensors).



Item
Door Activity Monitor

Part number
P161

Property Exit Sensor

The Property Exit Sensor provides real time alerts when a client has walked out of their door and not returned so that carers can ensure their welfare.

The sensor can also provide an alert when a client has left an external door open for a specified period of time so that action can be taken to ensure that it is closed quickly and the building is secured.

Item
Property Exit Sensor (869MHz)
(including PIR, Door Contacts and Control Unit)

Part number
41005/15

Product Statistics

Weight:	600g
Dimensions	
Control Unit:	95 x 160 x 35mm (WxHxD)
Keyswitch:	85 x 85 x 39mm (WxHxD)
Contacts:	11 x 66 x 10mm (WxHxD)
PIR:	65 x 108 x 77mm (WxHxD)
Range:	Up to 50 metres (typical)
Battery life:	1 year

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist



Property Exit Sensor (virtual)

The virtual Property Exit Sensor combines a simple Fast PIR with a door usage sensor (universal sensor) to create the complete solution. The wireless sensor generates an alarm if a client leaves their home (during the monitoring period) and does not return within a safe time period. A quick code (650x) can be entered into a telephone connected to the Lifeline Connect+ to allow a carer to leave the property without causing an alarm to be raised. This quick code disables the Virtual PES for the number of minutes specified by x to give enough time for the carer to leave the property. The Lifeline Connect+ home unit supports a single Virtual PES which can be used to monitor multiple doors. The sensor also provides the ability to remotely change time settings when the client's needs change helping to reduce service costs. By adding a MyLife adapter to the Lifeline Connect+, telecare alerting devices such as X10 and DDA pager solutions can also be used (see pages 18-20).

Item
Fast PIR (869 MHz)
Universal Sensor (used in door usage mode)

Part number
67005/89
41005/30

Compatibility – Lifeline Vi+/Lifeline Dual/Lifeline Connect+ (only). Note: Feature is programmed via PC Connect or remotely adjusted via PNC6.

Flood Detector

The Flood Detector is a neat unobtrusive wireless sensor that can provide an early warning of potential flood situations. The sensor is placed under the sink or in the bathroom next to the toilet or under the bath. If the detector senses water, the unit will provide two types of alarm. The first is a local audible alarm and the second will activate the Lifeline home unit or grouped telecare system, which will automatically raise a call at the monitoring centre.



Item
Flood Detector (869MHz)

Part number
67005/37

Product Statistics

Weight: 142g
Dimensions: 90 x 31mm (WxD)
Range: Up to 50 metres (typical)
Radio Battery life: 5 years average life
Detector battery life: 12 months

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist

Natural Gas Detector (plug in)

It is recommended that a power socket safety cover is also used to reduce the likelihood of the plug being disconnected from the electricity supply. The safety covers are available in double and single socket versions.



Item
Natural Gas Detector (plug in)
Single socket safety cover
Double socket safety cover

Part number
41005/40
52015033
5201503

Requires installation by a qualified electrician.

CO Detector (wireless)

The wireless Carbon Monoxide Battery Operated Detector provides an immediate alert when dangerous CO emissions have been detected due to a blocked flue or fault in a fuel burning appliance.



Item
CO Detector (869MHz)

Part number
67005/51

Product Statistics

Weight: 210g
Dimensions: 110 x 76 x 34mm (WxHxD)
Range: Up to 50 metres (typical)
Detector life: 4 to 5 years
Radio Battery life: 2 years

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist

Heat Detector

The wireless heat detector provides additional protection against the risk of fires in rooms where smoke detectors are unsuitable e.g. kitchen. The detector is kitemarked to BS 5446 Part 2: 2003 and raises an alarm when the temperature reaches between 54°C and 62°C.

Item	Part number
Heat Detector	9000/81A
Easi-fit Base (869 MHz)	67005/78

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/CareAssist

Note - A heat detector and easi-fit base is required per installation.

Product Statistics

Weight:	291g
Dimensions:	145 x 78 mm (WxD)
Range:	Up to 50 metres (typical)
Battery life:	Detector = 5 years (replaceable Lithium 9V) Radio transmitter = 5 years (non replaceable)
Detector life:	10 years



Smoke Detector (monitored)

Tunstall Smoke Detectors provide increased reassurance by raising an alarm call at the monitoring centre while also activating a local audible alarm. This optical smoke detector has also been improved with the following features:
one battery for both the detector and radio transmission:
Accredited to EN14604:2009 and battery life of up to 5 years.

Item	Part number
Smoke Detector (869MHz)	68005/94

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist

Product Statistics

Weight:	155g
Dimensions:	100 x 51mm (WxD)
Range:	Up to 50 metres (typical)
Battery life:	5 years
Detector life:	10 years



Temperature Extremes Sensor

The Temperature Extremes Sensor monitors for excessively high and low temperatures and a rapid rate of rise in temperature. It is typically installed on the ceiling or wall in the kitchen to protect people and property against extremes of temperature. Two versions are available which provide a different high temperature alert setting.

Item	Part number
Temp Extremes Sensor 2/35°C (869MHz)	69005/03
Temp Extremes Sensor 12/42°C (869MHz)	69005/04

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/Telecare Overlay/Communicall Connect/CareAssist

Product Statistics

Weight:	168g
Dimensions:	83 x 108 x 37mm (WxHxD)
Range:	Up to 50 metres (typical)
Power supply:	3 x AAA batteries
Battery life:	2 years



Inductive Loop

The inductive loop system helps to deliver high quality sound directly to hearing aids (with telecoil facility) from particular sources e.g. television, stereos and computers within their own home. In addition, when an alarm is raised or an incoming telephone call is received the inductive loop system will intelligently fade from the television sound over to the sound coming from the monitoring centre or caller enabling them to communicate more easily with the user without interference from loud sound sources in the background.

Item	Part number
Inductive Loop System*	D4109002A

*Requires installation

Compatibility – Lifeline Vi+/Lifeline Dual/Lifeline Connect+ with issue number E1 or later/Communicall Connect speech module

Universal Sensor

The Universal Sensor enables wired devices and other equipment to raise wireless alarm calls and appropriate radio messages to home units using Plug and Play functionality. It can also be used to wirelessly connect Natural Gas Detectors to home units as a Door Usage Sensor or connected to a bed occupancy sensor mat to create a virtual sensor on the Lifeline Connect+.



Item	Part number
Universal Sensor (869MHz)	41005/30

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/
Telecare Overlay/Communicall Connect/CareAssist

Product Statistics

Weight:	70g
Dimensions:	50 x 74 x 25 (WxHxD)
Battery life:	5 year

MyLife Adapters

The MyLife adapters simply plug into the AUX socket on the Lifeline Connect+ to provide the home unit with connectivity to X10 and DDA pager solutions. This enables the home unit to send X10/DDA signals to an X10 Main Controller/DDA pager when any telecare alarm or event is raised therefore allowing increased use of X10 devices and helping to warn the user and/or their carer when a telecare alarm is raised.

Item	Part number
MyLife X10	52900/52
MyLife X10+DDA	52900/53

Compatibility - Lifeline Vi+/Lifeline Connect+ only



Radio Pull Cord

The Radio Pull Cord can be strategically placed around the home, in order to provide a user with a convenient means of summoning help in an emergency.

Item	Part number
Radio pull cord (869MHz)	67005/36

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+/
Telecare Overlay/Communicall Connect/CareAssist



Product Statistics

Weight:	90g
Range:	Up to 50 metres (typical)
Battery life:	5 years

Local Care Alarms

CareAssist

CareAssist is designed to support local carers to deliver high quality, non intrusive care. It is an extremely easy to use, portable device that provides carers working or living onsite with a means to receive instant alerts from Tunstall's range of telecare sensors. This means that onsite carers can be quickly made aware of any incidents allowing them to provide a high level of care whilst maximising efficiency. It provides a very cost effective telecare solution whilst avoiding the need for a telephone line or monitoring centre service which is often not required when full time care is being provided.



Key features include:

- Multiple alert modes - vibration, audible and visual
- Easy to use - with clear illuminated 2.4" OLED display
- Fully portable - small pocket sized design and battery operated
- Compatible with Tunstall telecare range - supporting up to 128 telecare sensors
- Expanded range - compatible with external pager system for greater range coverage (requires additional equipment)

Item
CareAssist
PC download lead (RS232)
RS232 to USB Converter

Part number
68100/01
D6705015B
S8502004

Product Statistics

Weight: 148g
Dimensions: 73 x 128 x 22mm (WxHxD)
Power: Rechargeable battery with USB mains charger
Battery time: 12 hours
Range: Up to 200m (line of sight) and 50m (in building)

Care Alarm Pager

The P137 is more than a pager, it is a complete Nurse Call Station in your pocket. It can monitor the status of up to 32 Alert-it alarm sensors.

The pager has a red beacon on top for clear indication of an alarm situation and a simple contact style output can be used to activate additional annunciator equipment, such as lamps, bells, nurse call systems or telephone diallers.

The P138 is an advanced Pager Care Alarm, offering silent and vibrate modes and a back-lit screen. It is capable of monitoring up to 3 alarms within a typical range of 50m.

Each sensor can be allocated to a clients name and alarms are prioritised on the basis of four severity levels, with a different tone sequence for each level. The pager can also warn of any breakdown in the radio communication link, before a client is left at risk.

The unit is powered by two rechargeable AA batteries giving over 80 hours use, with a fast charge mode using the supplied mains adapter.



Item
Care Alarm Pager (Advanced)
Care Alarm (Domestic)

Part number
P137
P138

Telecare Alerting Devices

The following devices can be added to a telecare package to provide local alerts when a telecare alarm or event is generated by the Lifeline home unit and telecare sensors. The alerting devices ensure users and/or their onsite carers are quickly made aware of alarms whether they occur at night or during the day, helping to increase safety whilst reducing the burden on carers.

DDA Pager Solutions

The DDA pager solutions immediately alert telecare users or their in home carers when a telecare alarm is generated. They are particularly useful for telecare users with hearing impairments or for live in carers or family members who need to be notified quickly if the person they are caring for needs help.

Two different pagers are now available, one worn on a belt and a new pager designed like a watch to be worn on the wrist. When the Lifeline Connect+ and MyLife X10+DDA adapter are used in conjunction, the pagers can inform the user which telecare sensor has generated the call using different coloured LEDs and vibration patterns. Each pager comes with a charger that is connected to a pillow alert pad. The pager is designed to be inserted into its charger at night and when in this position any telecare alarms automatically vibrate the pillow alert pad to wake the sleeping user/carers.

Further reassurance can be provided by linking a flashing beacon to alert the user with clear, distinct flashes in addition to their pager. Alerting the user is not just limited to telecare alarms, the solution can also be programmed to alert the user to incoming telephone calls or, with the addition of a door bell, to someone at their door.



Wrist Pager



Standard Pager in Charger with Pillow Alert Pad

Item	Part number
Standard Pager Pack (including standard pager, transmitter, charger and pillow alert pad)	9000/95
Wrist Pager Pack (including wrist pager, charger and pillow alert pad)	9000/100
Flashing Beacon (optional)	D6866002A
Transmitter	D6866001A
MyLife Adapter	52900/53
Standard Pager	D6866003A
Standard Pager Charger	D6866004A
Flashing Beacon	
Pillow Alert Pad	D6866005A
Door Bell	D6866007A



Flashing Beacon

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect+/4000+/Communicall Connect.

Note - No licence is required for this solution.

*The MyLife X10+DDA can be used with the Lifeline Connect+ instead of the transmitter.

Product Statistics - Transmitter Weight: 142g Dimensions: 60 x 95 x 28mm (WxHxD) Battery: 1.2 V AAA NiMh Battery life: 5 years Range: Up to 200m (line of sight)	Product Statistics - Standard Pager Weight: 70g Dimensions: 57 x 86 x 29mm (WxHxD) Battery: 1.2V VARTA V40H Battery life: 1 week on one charge Range: Up to 200m (line of sight)	Product Statistics - Wrist Pager Weight: 27g Dimensions: 38 x 12 x 49 (WxHxD) Battery: 9 V PP3 alkaline rechargeable Battery life: 30 hours on one charge Range: Up to 100m (line of sight)
Product Statistics - Pager Charger Weight: 385g Dimensions: 78 x 88 x 43mm (WxHxD) Power: 6V DC Back-up battery: Internal NiMh rechargeable Flex Length: 1.7m	Product Statistics - Pillow Alert Pad Weight: 70g Dimensions: 57 x 86 x 29mm (WxHxD)	Product Statistics - Flashing Beacon Weight: 70g Dimensions: 70 x 140 (WxD) Power: 7.5V DC Range: 30 hours on one charge Range: Up to 200m (line of sight)

Medication Dispensers

Medication Dispensers can be used to automatically provide access to medication over a 28 day period, 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 carer so that action can be taken to ensure that the medication programme is maintained.

The PivoTell dispenser is larger which allows for a greater number of pills or larger tablets to be stored and dispensed.

Item	Part number
Medication Dispenser (869MHz) - Addoz	67005/60
Medication Dispenser (869MHz) - PivoTell	67005/81
14 compartment carousel (Addoz)	67005/61
28 compartment carousel (Addoz)	67005/62
Keylock for carer (Addoz)	67005/63
28 Compartment Carousel (PivoTell)	54810132

Compatibility - Lifeline Vi+/Lifeline Dual/Lifeline Connect/Connect+/400/4000+ (except part numbers 36000/440 and 36000/350) /Telecare Overlay/Communicall Connect/CareAssist



Product Statistics - PivoTell

Weight:	480g
Carousel:	28 doses
Dimensions:	190 x 56mm (WxD)
Range:	Up to 30 metres (typical)
Battery life:	1 year

Home Safety Package

The Home Safety Package provides a cost effective combined social alarm and activity / inactivity monitoring system.

It comprises:

1 x Lifeline Vi+ with Home Safety functionality
1 x Arm/disarm trigger
3 x PIRs

1 x Amie+ personal trigger
1 x Zoning button



Item
Home Safety Package

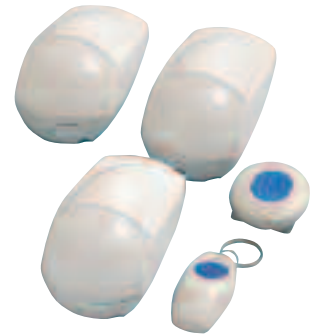
Part number
37000/380

Home Safety Value Pack

This pack can be used to cost effectively provide Lifeline 400*, Lifeline 4000+** and Lifeline Connect/Connect+/Lifeline Vi+/Lifeline Dual.

It comprises:

3 x PIRs, 1 x arm/disarm trigger, 1 x zoning button.
Includes smoke monitor detector.



Item
Home Safety Value Pack

Part number
67005/53

Environmental Control Solutions

ECS enable people with limited dexterity and impaired mobility to easily perform a wide range of everyday activities including operating the TV or DVD, opening and closing windows, curtains and doors, operating domestic appliances and controlling lights within the home.

They can be integrated with telecare solutions in order to provide individuals with a greater level of independence and quality of life, facilitating re-ablement together with the management of risk, thereby reducing reliance on carers to perform many of the fundamental activities of daily living.

ECS consist of a central controller and a range of radio operated peripherals including switches (for clients who cannot use the keys on the controller), mounting solutions and fixtures like door/window operators, curtain/blind tracks and intercom equipment to meet the full requirements of people who need an ECS. The following controllers are available depending upon the client's needs.

A Case Conference is required to assess the individual's needs. The Case Conference (part number 41000/630) will also identify the products required in order to meet the functionality described below. The Case Conference is refunded against any purchase of this prescribed equipment.

Telecare Home Unit Accessories

Big Button Telephone

The Big Button Telephone with its large black buttons with white numbering, hearing aid compatibility, visual call indicator and earpiece volume control is the ideal phone for those with poor sight, hearing difficulties or limited dexterity.



Item
Big Button Telephone

Part number
30000/52

Product Statistics
Weight: 85g (inc box)
Dimensions: 200 x 80 x 230 (WxHxD)

Safe Socket

The Safe Socket™ is a new concept to ensure that alarm calls are raised even though the telephone line is in use. It allows the Lifeline home unit to seize the phone line from other connected devices on the same line (i.e. extension phone, computer, fax machine, satellite receiver etc).



Item
Safe Socket™

Part number
36900/55

Product Statistics
Weight: 31g
Dimensions: 53 x 55 x 22mm (WxHxD)

WISE Home Kit

The WISE home kit comprises everything required in order to set up a complete, fully functional trial site for demonstration and evaluation purposes including equipment and installation.



Telehealth Solutions

What is Telehealth?

Tunstall's telehealth solutions offer a way of delivering tailored care for patients with long-term conditions either in their own homes or in a grouped setting, which helps to improve quality of life and can prevent avoidable hospital admissions.

Individual Homes

Tunstall's mymedic and mymedic plus telehealth units have been designed for use in a patient's home, enabling patients to be cared for at home and allowing the clinician to effectively manage patient care remotely.

The Tunstall **mymedic** or **mymedic plus*** telehealth monitor along with various health peripherals are installed in the patient's home. At an agreed time the monitor will signal that it is time for the patient to take their vital signs and answer symptomatic health questions. The monitor then guides the patient, using its clear text display and audio announcements in the selected language, through a series of vital signs measurements and health related questions.

A range of peripheral devices are used to collect the patient's vital sign measurements. According to their condition the patient's health session will use a selection of the medical devices described below:

Blood pressure cuff, Pulse oximeter, Thermometer, Weighing scale, Glucometer, Peak flow meter, Coagulation meter, Spirometer

***mymedic plus** utilises GPRS obviating the need for a landline phone



mymedic unit



mymedic plus unit

Grouped Housing

Tunstall's multi-user telehealth solution enables a group of patients within a common location to participate in a telehealth programme.

myclinic

In a grouped setting myclinic can be used to enable a group of patients within a common location (extra care facility or residential home for example) to participate in a telehealth program. Patients have individualised monitoring plans, but share the use of a terminal and medical device peripherals.

Each patient has a card with barcode, and placing this under the inbuilt barcode reader on the integrated PC/monitor gives access to their individual health interview. The patient or clinician can then take the patient's vital signs using the peripherals relevant to them and answer a series of tailored health questions using the touch screen monitor.



icp triagemanager

Tunstall's telehealth software solution providing triage for patient data received from mymedic and myclinic telehealth units.

Patients' information from either myclinic or individual mymedic units is transmitted to a central secure software solution, triagemanager. Triagemanager will raise an alert on screen at a monitoring centre if a patient's readings are outside of parameters predefined in their care plan. The initial step is technical triage, where an operator will contact the patient to establish the validity of the reading. Genuine alerts can then be referred for clinical triage, where a clinician can review the information and take appropriate action.

X10 Controllers

X10 controllers can be used in conjunction with bed/chair occupancy, property exit sensors and the MyLife adapters (see below) used with the Lifeline Connect+ in order to switch on lights when a sensor is activated.

Item

Part number

Main Controller

41005/04

The Main Controller is used to send a signal to a number of lamp/appliance module in order to turn the lights on.



Main Controller

Lamp Module

D4106002A Lamp

The Lamp Module allows a lamp to be switched on and off following receipt of a signal from an X10 main controller. It also provides a light dimming function.*

Not compatible with energy saving or fluorescent lamps.



Lamp Module Controlle

Appliance Module

S2013032

The Appliance Module switches on/off connected appliances (including lamps) when it receives a signal from the Main Controller. This module is suitable for use with lamps fitted with an energy saving light bulb (no dimming function available).



Appliance Module

Wall Mounted Dimmer Switch*

S2509028

The Wall Mounted Dimmer Switch can be used to replace an existing light switch, to control a ceiling mounted light.

Note - This wall mounted dimmer switch is only suitable for a one way lighting circuit, i.e. where only one switch is used to turn the light on and off and a standard non energy saving lamp.



Wall Mounted Dimmer Switch

Wall Mounted Switch*

S2509029 Dimmer

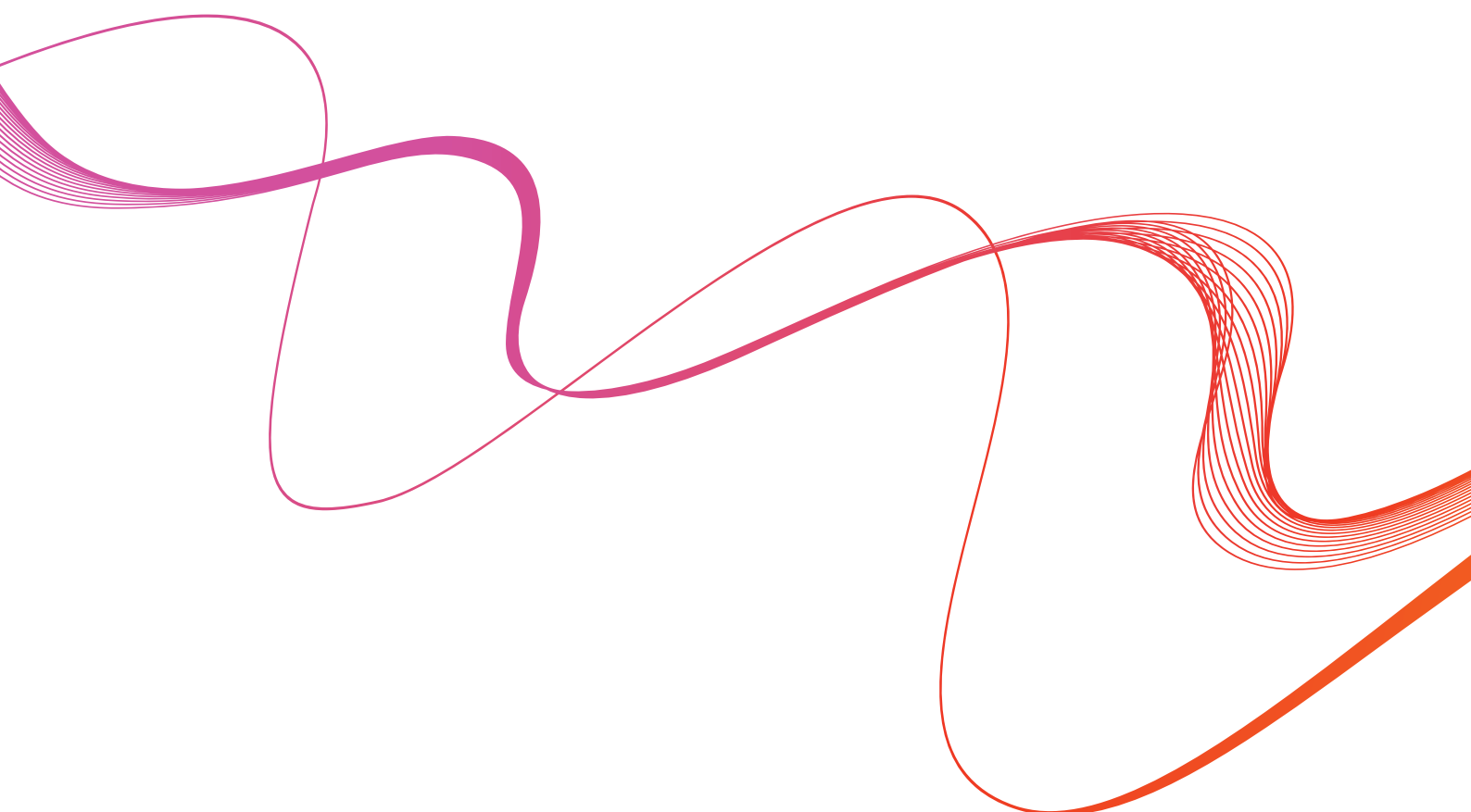
The Wall Mounted Switch can be used to replace an existing light switch, to control a ceiling mounted light, as well as a low energy lamp or fluorescent unit.

Note - This wall mounted appliance switch will require the installation of a neutral connection into the switch. The switch is only suitable for a one way lighting circuit, ie where only one switch is used to turn the light on and off. Not compatible with energy saving or fluorescent lamps.



Wall Mounted Switch

*Requires installation by a qualified electrician



Tunstall Emergency
Response Ltd.
Ryland Road,
Bunclody,
Enniscorthy,
Co. Wexford.

Sales/Service Telephone: 1850 247999
Accounts Telephone: 053 9376947/8
Facsimile: 053 9376943

Email: sales@emergencyresponse.ie
Web: tunstallemergencyresponse.ie