



## Product Sheet

# Tunstall Lifeline Fall Detector

Detects the unexpected, protects the independent

### What is it?

The **Tunstall Lifeline Fall Detector** is designed to recognise sudden, hard, and uncontrolled falls or collapses, especially when the user hits the ground without support from their hands or nearby objects. It subsequently monitors movement patterns and automatically sends an alert if there is no response. In addition, it functions as a personal alarm button, allowing the user to call for help manually whenever needed.

The activity monitoring is based on clinical data studies that analyse everyday movement patterns and real fall situations among elderly individuals. It is optimised to filter out non-fall activities and focus on detecting the most serious falls, while maintaining market leading battery efficiency and a long product lifespan.

### Who is it for?

The **Lifeline Fall Detector** is designed for individuals with conditions that increase the risk of collapse.

It helps ensure faster access to care when the accident occurs. The device can be used at home with a Tunstall Lifeline home unit, or in retirement and assisted living communities.

### How does it work?

With a single press, the Lifeline Fall Detector sends an instant alert to a Lifeline or Communicall system, ensuring help is on the way.

It also automatically detects serious, uncontrolled falls when the user may be unable to raise the alarm themselves and alerts responders.



## Technical Specifications

<b>Weight</b>	16g (without attachments)
<b>Dimensions</b>	H: 13 mm, ø: 35mm (without attachments)
<b>Battery</b>	Lithium primary cell; 3V CR2450 (replaceable)
<b>Battery lifetime</b>	Up to 2 years*
<b>Radio frequencies</b>	869.2125 MHz + 868.3000 MHz
<b>Radio power</b>	< 1 mW e.r.p
<b>Connection</b>	Bi-directional
<b>Range</b>	Approx. 30 metres indoors. Approx. 250 metres outdoors.
<b>Radio protocol(s)</b>	Tunstall 2-Way Secure Radio (2WS) Tunstall Classic Radio.
<b>Radio encryption</b>	AES 128-bits (2WS)
<b>Region</b>	Europe and United Kingdom
<b>Wearing options</b>	Can be worn around the neck or on the wrist (all fittings supplied). For improved accuracy we recommend wearing around the neck.

## Environmental

Operating Temperature 0°C to +45°C  
Storage Temperature: -10 °C to +55°C  
Operating Humidity: Up to 90% non-condensing  
IP67 (water resistant, safe to use in the shower)

## Standards

<b>Directive Compliance</b>	RED, EMC, RoHS3, REACH
<b>Safety</b>	EN 62368-1:2024 + A11:2024
<b>EMC</b>	EN 301 489-3 V2.2.1: 2019 EN 55032:2015 + A1:2020 EN 50130-4:2011 + A1:2014
<b>Social alarms</b>	EN50134-2:2017
<b>Radio</b>	EN 300 220-3-1 V2.1.1:2016 EN 300 220-2 V3.2.1:2018 EN 62311:2020 EN 18031-1:2024 EN 18031-2:2024
<b>Design, manufacture, installation &amp; service</b>	ISO9001:2015
<b>CE, UKCA, UKNI compliant</b>	Yes

## Part Numbers

P62505/007 – 2-Way Secure (Lifeline Digital)  
P62405/007 – Classic AP (Smart Hub or older)  
P62405/008 – Classic ALB (Communicall)  
62505/011 – Battery Service Kit

## Features & Benefits

- **Manual and automatic alarm** – Works as both a push-button for help and a purpose-built fall detector.
- **Purpose Built Fall Detection Algorithm \*\*\*** – Detects serious uncontrolled falls, triggers more rapid response.
- **Long battery life** – Operates for up to 2 years.
- **Replaceable battery** – Simple tool-free process.
- **Low battery notifications** – Automatic alerts when charge falls below 30%.
- **Link monitoring** – Daily checks of connection to hub with validation to confirm.
- **IP67 rated** – Water-resistant and safe to wear in the shower, where fall risks are higher.
- **2-Way Secure Radio communication** – Encrypted radio communication (NIST level) with clear, user-friendly visual indicators.

\* Battery life can be affected by extreme temperatures, weak or intermittent connectivity, or battery aging.

\*\*A low battery alert is triggered when the Tunstall Lifeline Pendant reaches 30% charge.

\*\*\* The Tunstall Lifeline Fall Detector is designed to detect sudden, non-mechanical collapses or uncontrolled falls where the user may lose control of their body, such as in cases of potential unconsciousness. It will not detect controlled or conscious falls where the user braces themselves, nor minor stumbles or trips without loss of control.

The device is not intended to catch all types of falls. It specifically targets serious, uncontrolled falls, particularly when the user is unable to trigger an alarm manually. Users should always press the alarm button if they are conscious and able, rather than relying solely on automatic fall detection.

## Tunstall | Contact us:

t: +44 (0)1977 661 234

e: [enquiries@tunstall.com](mailto:enquiries@tunstall.com)

w: [www.tunstall.co.uk](http://www.tunstall.co.uk)