



## Product Sheet

# Motion Detector 869

Activity awareness that keeps loved ones safe.

### What is it?

The Motion Sensor 869 is a Passive Infrared (PIR) device designed to detect movement within a room and send a radio signal to a Lifeline home unit or other Tunstall telecare-enabled systems. It is purpose-built for care applications where monitoring activity is essential, with specific use cases depending on the individual needs of the end user.

- Fall detection
- Activity/inactivity (time controlled)
- Property exit monitoring

### Who is it for?

Motion sensors tracks activity/inactivity and enables reactive, proactive, and predictive support, ensuring timely assistance for Care recipients with needs or conditions such as dementia, epilepsy, or diabetes.

### How does it work?

At the heart of the solution is either a Lifeline home unit or a Tunstall system. The Motion Sensor is designed to sit on the wall within a property. Every 30 seconds the unit reports on the resident's movement patterns to provide assurance that they are OK.



## Technical Specifications

Weight	74g (without attachments)
Dimensions	49mm x 102mm x 23mm (W x H x D)
Battery	3.6V AA EVE ER14505V Battery (Replacable)
Battery lifetime	Up to 3 years. Also dependent on alarm transmissions.
Radio frequencies	869.2125 MHz
Radio power	< 10 mW e.r.p
Range	At least 30 meters indoors
Environmental Group	Group 2 - Indoor in general
Radio protocol(s)	Tunstall 2-Way Secure Radio, Tunstall Classic Radio.
Radio Encryption	AES 128-bit (NIST-level)
Region	Europe & United Kingdom

## Environmental

Temperature +5°C to +40°C (Recommended)

## Standards

Directive Compliance	RED, EMC, RoHS3, REACH
Safety	EN 62368-1:2024 + A11:2024
EMC	EN 301 489-3 V2.2.1: 2019 EN 55032:2015 + A1:2020 EN 50130-4:2011 + A1:2014
Social alarms	EN50134-2:2017
Radio	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
Design, manufacture, installation & service	ISO9001:2015
CE, UKCA, UKNI compliant	Yes

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## Part Numbers

62505/035	Motion Detector – 2-Way Secure / Classic AP
62405/035	Motion Detector – Classic ALB
S1004055	Battery Service Kit

## Features & Benefits

- **Activity / Inactivity Monitoring:** Detects movement, and lack of movement, and sends an alert to the monitoring centre.
- **Intruder Alarm Monitoring:** Notifies the monitoring centre to dispatch emergency services if needed.
- **Pet Alley Function:** Raises the PIR beam above floor level, allowing pets to move freely without triggering the alarm.
- **Fall zone:** If the user has fallen on the floor and is moving around, the sensor will not detect movement. The Motion Sensor will need to be positioned on the wall between 1m-1.2m above the ground
- **Easy Installation:** Wall-mounted setup requires no screws or drilling.
- **Automatic Walk Test Mode:** Simplifies range checking to ensure full room coverage.
- **Reliable Transmission:** Sends PIR signals to a CAT 1 radio receiver for dependable monitoring.
- **AP & ALB (Low Battery) Alerts\*\*:** Automatically notifies the monitoring centre when batteries need replacement and provides status notifications to DMP and ARC.
- **Configurable PIR Settings:** Default Fast PIR transmits every 30 seconds, while Standard PIR is available, transmitting every 2 minutes.

\* 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.