



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.*