



## FAQ's About the Essence Emergency Auto Fall Detector Pendant

### How does it detect a fall?

The EPA Fall detector uses tri-axial acceleration-based fall detection algorithm to detect falls and minimize false alarms.

### Testing was based on 10 different fall scenarios:

1. Falling forward unbroken
2. Falling forward in two phases (subject falls onto their knees first)
3. Falling forward when walking
4. Falling backward unbroken
5. Falling backward during stand-to-sit
6. Falling sideways during stand-to-sit
7. Falling sideways during sit-to-stand
8. Falling sideways during walking (left step)
9. Falling sideways during walking (right step)
10. Falling out of bed

**NOTE:** This button has an Automatic reset: it will not send a call for help after a fall is detected if the client takes three or more steps while the LED is flashing (over a period of 8 seconds)

### How sensitive is the button?

Over 10,000 person-hours of acceleration recordings were taken, resulting in a false alarm rate of one every 20 days. Activities of daily living measured:

1. Stand-to-sit
2. Sit-to-stand
3. Lying into bed on the back
4. Lying into bed on the side
5. Lying into bed on the front
6. Walking
7. Running,
8. Walking upstairs
9. Walking downstairs
10. Stepping onto a chair and getting back down.

### Is the button waterproof?

We always encourage our client's to wear the button at all times, this mean even the bath or shower as it's fully waterproof (IP67 rated) however, the we advise not to immerse the button than a minute under water.

### Is the button recommended for everyone?

The Fall detector would benefit everyone but is best for client's who are at high risk of falls, loose loss of consciousness or client's with memory impairment.

\*Fall detection feature does not detect 100% of falls. If able, clients should always press their help button when they require help\*