

Jack is 83, has dementia and lives on his own in a retirement village. He is prone to walking about at night, sometimes becoming disorientated and disturbing other residents while searching for his own villa.

Case Study- Jack's Story



During the day Jack copes well, however he has left the villa running a couple of times, posing a threat to him and the property.

Jack is still capable of living alone and does not want to move to a high care facility where he may not be permitted to cook and clean for himself.

As memories fade and motor skills deteriorate, living with dementia can be increasingly frustrating. Moving people out of their own home can be distressing, as they are thrust into a completely unfamiliar environment.

The pressure on carers can also be intense, feeling they need to be with them day and night to ensure their safety.

That is why Tunstall has created a range of telecare products and services. These unobtrusive assistive technologies allow people like Jack to maintain their independence and stay in their own home, while taking the need for constant supervision and concern off their carers.

The solution

Jack's villa was fitted with a Tunstall property exit sensor, which communicates with the base alarm unit to send an immediate alert to the onsite carer.

This solution allows Jack to come and go as he pleases during the day, however immediately notifies the onsite carer if he has left his home at unusual times of the night between 8pm and 7am.

Jack's dementia has his memories, but not his independence

Optional support mechanisms

Bed occupancy sensor



A Tunstall bed occupancy sensor could also be used to notify the onsite carer or monitoring centre if Jack had either not gone to bed by a certain time or not returned to his bed during the night.

Lights can also be triggered by the sensor, providing a visual pathway back to Jack's bed, to reduce disorientation and wandering.

Flood detector



A Tunstall flood detector could be placed next to the sink and bath, notifying Jack's carers or the monitoring centre if there is water on the floor. This would protect Jack from slipping on the wet surface and save his home from water damage.

Pressure mat



A Tunstall pressure mat could be placed on the floor by Jack's bed to determine if he is active in the home and also to notify carers or the monitoring centre that Jack has gotten up or that he has not returned to bed by a certain time.

Property Exit Sensor



A Tunstall property exit sensor could be placed near Jack's door, providing real time alerts to an onsite carer when Jack walks out of his home and doesn't return within a preset time, or simply leaves the door wide open. This would allow quick action to be taken to find Jack and return him to safety.

A Tunstall property exit sensor can also be fitted to bedroom doors, main entrances and windows and can be programmed to send an alert after a preset time period.

Temperature extreme sensor



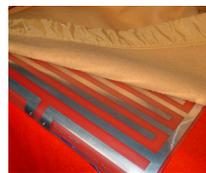
A Tunstall temperature extreme sensor monitors for low and high temperature extremes in addition to the rate of rise in temperature. This would help protect Jack from a build up of heat in the kitchen or sustained periods of cold weather.

Smoke detector



A Tunstall smoke detector could be used to notify the onsite carer or monitoring centre if smoke is detected in Jack's villa, as well as sending out an audible alarm to alert Jack.

Enuresis sensor



A Tunstall enuresis sensor could be placed under the top sheet of Jack's bed, immediately and discreetly notifying the onsite carer if moisture is detected in the bed. Tunstall offers a range of unobtrusive telecare products allowing people living with dementia and other long term needs to maintain an independent lifestyle.

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