Safety - Security - Savings

MariCare™
Member of MariElectronics Group

ᵉLsa™
Activity Sensing
Wireless solution

Private homes

Why nobody answers the phone?

MariCare – the leading provider of professional care solutions

Since its introduction to the market in 2005, MariCare Solution with Elsi® Smart floor, has been the unchallenged forerunner in its field. Thanks to its excellent performance and unique features that help improve service and quality, the system has been chosen by many new elderly care homes in Finland and elsewhere.

^{e}Lsa™ Activity Sensing is our newest solution, specially developed for Home Care and existing Elderly Care facilities. Our customers want to offer their inhabitants the possibility to live at home longer, and we at MariCare will support and assist our customers to accomplish this goal.

No need to worry
^{e}Lsa will look after your loved one

^{e}Lsa™ Activity Sensing System

^{e}Lsa Cloud Server

Gateway

Patented / Patent Pending

The ^{e}Lsa™ Activity Sensing System improves home care quality and resident's safety by sensing changes in long-term or short-term activity. If daily routines change suddenly or activity decreases gradually, it can be noticed from the activity indicators or an alarm can be sent to caregivers or relatives. The activity information can be analyzed and used to understand each individual resident's wellbeing and for example possible dementia progression.

The system senses different types of activities including general movement, sleeping, eating, going outside, and bathroom visits. An additional important feature of ^{e}Lsa™ is the fall alarm: ^{e}Lsa™ detects if the person falls down. ^{e}Lsa™ increases the feeling of security also by working as a burglar alarm.

All ^{e}Lsa™ products are based on wireless EnOcean technology. The ^{e}Lsa™ Gateway collects the data from different ^{e}Lsa™ sensors and sends it to the ^{e}Lsa™ Cloud Server using a wired or mobile (3G/4G) internet connection. ^{e}Lsa™ UI (User Interface) allows an online access to resident's data on the ^{e}Lsa™ Cloud server and by a quick look you can observe resident's up-to-date 7-day graph and long-term activity indicators. Alarms can be sent out from ^{e}Lsa™ Cloud Server either to Smart phones, or to DECT phones, or to the customer's central SOS Center.

"

Thanks to ^{e}Lsa, I'm less concerned about mom, even though I live far away from her."

"

^{e}Lsa Activity Sensing makes me feel safe and secure. I know help is there when needed."

eLsa™ Activity Sensing

Legend:
- Living room or hall
- Kitchen
- Opening the refrigerator
- Bedroom
- Outdoors
- Bathroom visit

- Alarm
- Fall
- Activity
- Passivity
- Door
- Time alarm
- Motion detection
- Low battery
- Fire
- Burglar alarm

Mr Murphy, Virnatie 3, Vantaa

92 hours	19 hours - Bedroom	1 dining / 19 hours the latest	2 visits / 20 hours the latest

00 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23

- Sun 8.1.
- Sat 7.1.
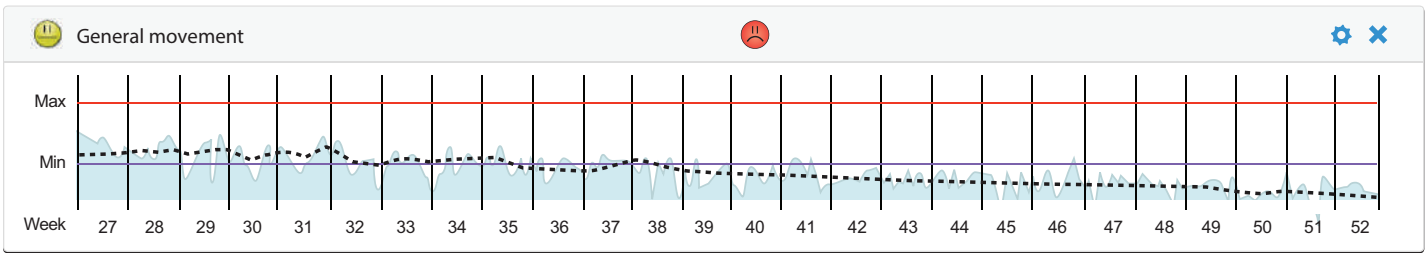- Fri 6.1.
- Thu 5.1.
- Wed 4.1.
- Tue 3.1.
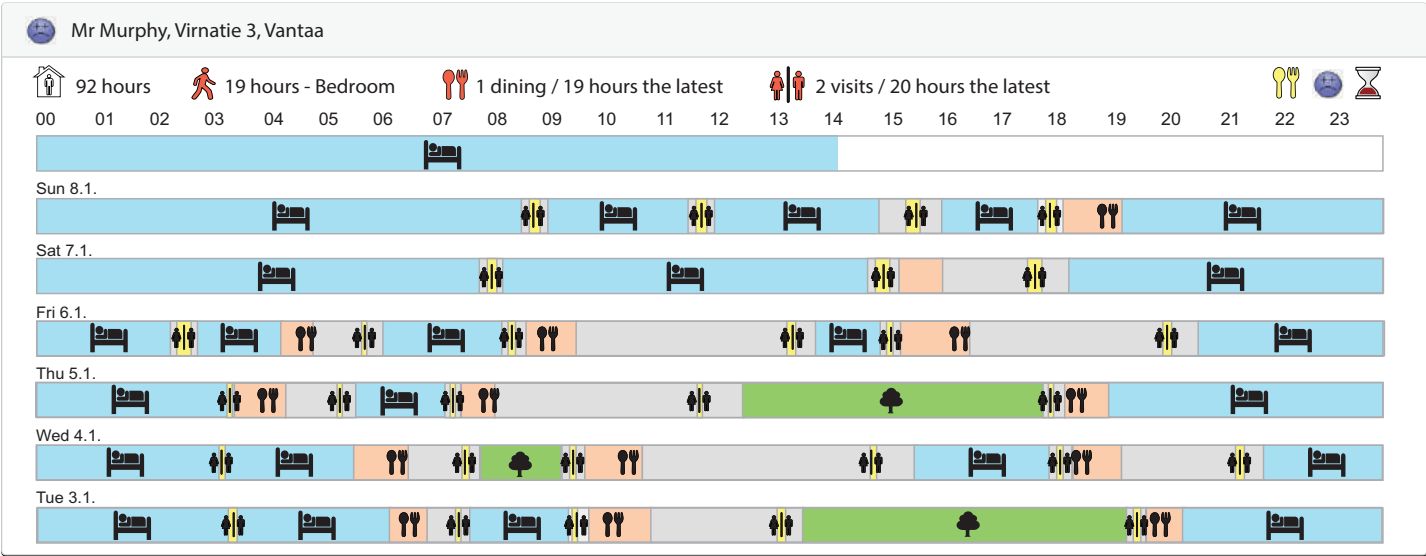
The sample short-term 7-day graph shows that the resident has been in the bedroom for an extended period of time. The resident last visited the kitchen 19 hours ago and has made only two visits to the bathroom. The alarm is triggered when activity indicator's limits are exceeded. Alarms can be also triggered based on events like "missed dining", "passivity (no movements in the morning)" or "bedroom time exceeded" (icons on the upper right corner of the graph).

The long-term 6-month graph shows normal activity levels. The resident's daytime activities are within the preset parameters in all areas.

General movement

Max / Min

Week 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26
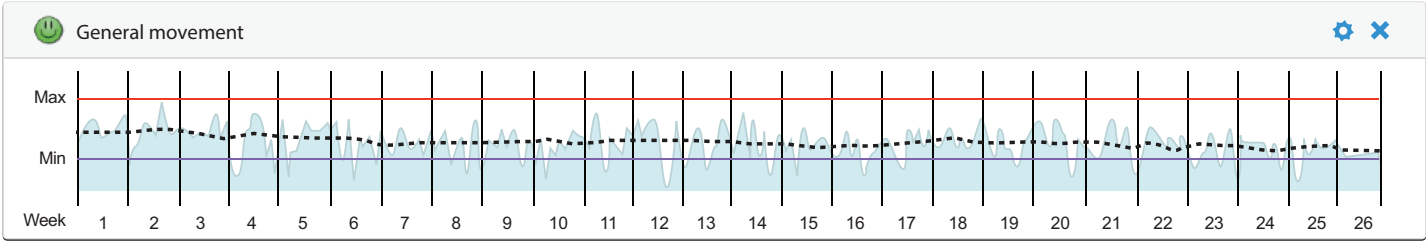
The second 6-month activity graph shows that the resident's condition has deteriorated in a way that would otherwise go unnoticed.

General movement

Max / Min

Week 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52

Fall alarm - How it works

eLsa activated

eLsa is activated when the person enters the room and is detected by the upper motion detector.

eLsa not activated

eLsa is not activated when a small animal such as a dog enters the room, since the upper motion detector will not be triggered in this case.

Possible fall detected

If the person falls, only the lower motion detector detects movement, and eLsa sends an alarm to the preset Smart Phone.

The fallen person receives quick help.

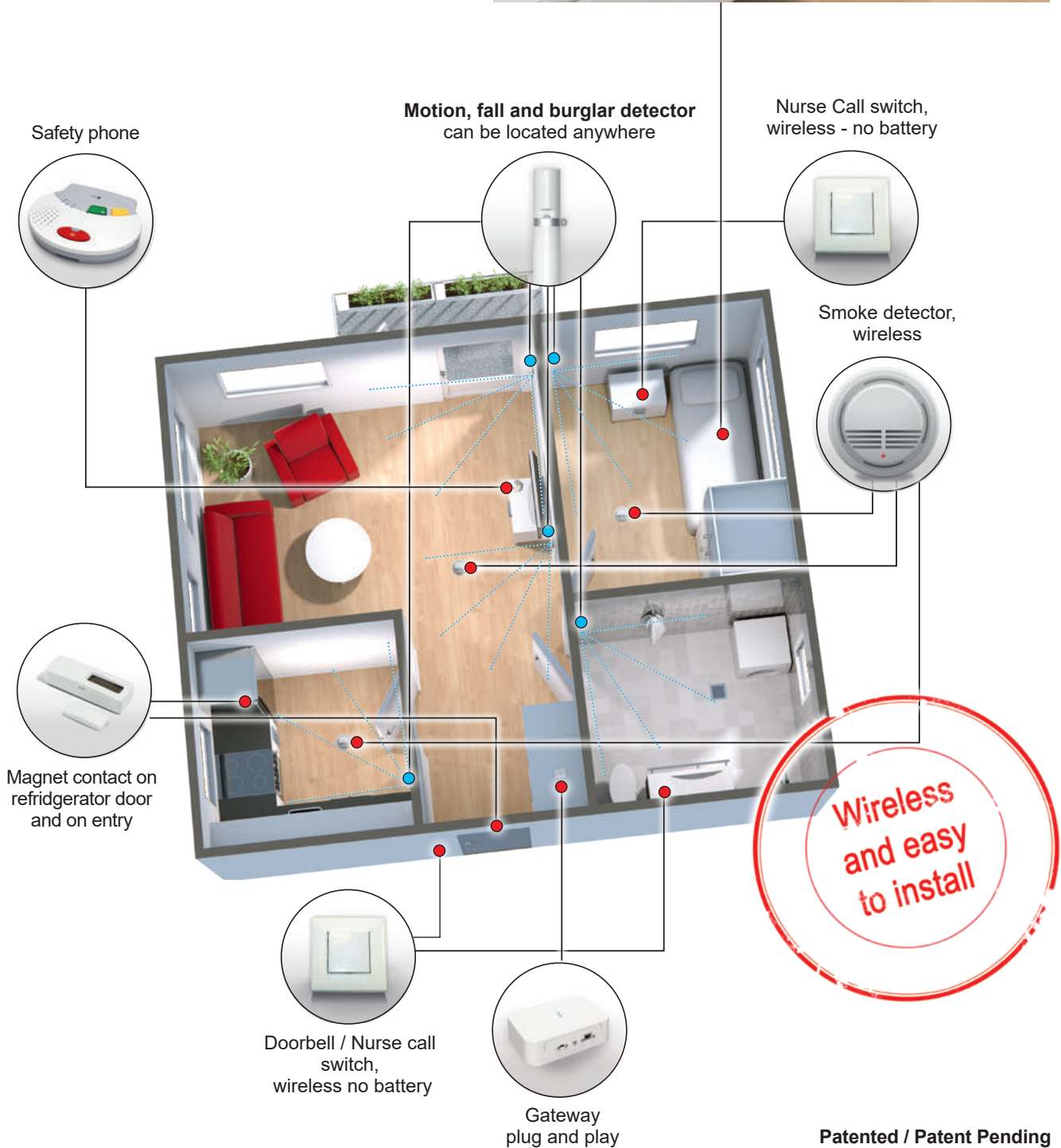## eLsa also works as a burglar detector

eLsa Cloud Server

09:15 Activity

Gateway

Fall detector

ᵉLsa™ Activity Sensing

ᵉLsa™ Accessories

ᵉLsa Bed Sensor (optional)

ᵉLsa Bed Sensor consists of a bed sensor and bed sensor module. The bed sensor module communicates wirelessly with the ᵉLsa gateway. The bed sensor is placed between the mattress and mattress pad. The bed sensor can be used also for chairs and sofas.

ᵉLsa Bed Sensor provides important additional features to the eLsa system. ᵉLsa Bed Sensor can detect the presence of inhabitant, the sensor can also identify increasing moisture level by incontinence or excessive sweating during fever. Also optional nurse call button can be placed next to the bed witch can be connected to the bed sensor module.

Safety phone

Motion, fall and burglar detector
can be located anywhere

Nurse Call switch,
wireless - no battery

Smoke detector,
wireless

Magnet contact on
refrigerator door
and on entry

Doorbell / Nurse call
switch,
wireless no battery

Gateway
plug and play

Wireless
and easy
to install

Patented / Patent Pending

Easy to install

The ᵉLsa system is easy to install and doesn't require special tools. Instructions are included in the box.

ᵉLsa features

- Activity sensing:
  - general movement
  - time spent in bed
  - time spent outside
  - bathroom visits
  - eating times
- Automatic fall detection
- Motion detector
- Call for help
- Leaving the residence
- Staying outside
- Inactivity

Additional features

- Smoke alarm
- Burglar alarm

ᵉLsa™ standard kit

eLsa™

Magnet contacts

Gateway

Detectors

Optional accessories

Call
button

Safety phone +
Bracelet call button

Switch

Smoke
detector

Bed
sensor

All ᵉLsa™ Activity Sensing products are easy to install and use. MariCare or its partner can organise introductory training for customers at care homes and private homes and assist with installation.

MariCare™

Member of MariElectronics Group

MariCare Oy is the forerunner company, for its unique smart floor, acitivity sensing and fall detection products. MariCare also provides a number of other security products for senior homes and elderly care facilities to improved service and the quality of life. For over 10 years MariCare has created remarkable innovations, enabling thousands of elderly people to live in a safe, homelike environment with the safety products around them.

MariCare Oy

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