



# Care@Home™ Hip Fall Detector



Wearable Hip Fall Detection Device

## Product

The latest in innovative, wearable, emergency devices for detecting falls, integrated with Care@Home™ platform solutions.

Features include:

- Lightweight, wearable, fall detection device
- Installed in a shock-absorber hip protector worn on the resident's hip, such as the Hip Fall-Safe Protector
- Highly accurate. False alarms may occur about twice a month.
- Used both indoors and outdoors (within reception range)
- With optional **Active** service, extends coverage outside the residence
- LED indication of alarm-in-progress and reception status
- Alert notification sent to the HSP monitoring station via the Care@Home™ control panel for emergency situations
- Additional functionality:
  - Panic button alert
  - Step counter
- Replaceable battery
- Industry leading high RF range
- Supports automatic over-the-air software (RSU) programming and configuration upgrade

## Smart Care

Essence Care@Home™ multi service platform is an Aging-in-Place product suite that offers a seamless health monitoring experience allowing independence for seniors and peace of mind to their loved ones.

Care@Home™ allows service providers the flexibility to offer their customers services ranging from emergency alerting to a professional intelligent home care solution, which constantly learns and adapts to the daily behavior of individuals and provides alerts with different severity levels based on deviation from the daily routine.

The Care@Home™ multi service platform includes:

- Care@Home™ PERS + Advanced Emergency Response Alarm
- Care@Home™ Family Monitoring
- Care@Home™ Pro Intelligent Home Care Solution

## Specifications

### COMMUNICATIONS

- **Maximum RF range:** 400 m (1,312 ft.) open air
- **Protocols:** Proprietary bi-directional radio protocol
- **Modulation and frequency:** FSK modulation
  - 869.225 MHz (Europe)
  - 916.5 MHz (North America and Australia)
  - 868.3 MHz (China)
- **Data security:** 32-bit ID, over four billion combinations

### POWER SUPPLY

- **Battery:** Lithium 3 V CR2450
- **Approved manufacturers:** Panasonic and Energizer
- **Battery life:** Up to six months

### DIMENSIONS

- **Size (Diameter x H):** 40 x 12 mm – 1.58 x 0.47 in.
- **Weight:** 15 g (0.53 oz.) including battery

### ENVIRONMENT

- **Operating ambient temperature range:** -10°C - 55°C (14°F - 131°F)
- **Storage ambient temperature range:** -20°C - 70°C (-4°F - 158°F)
- **Operating humidity:** Up to 93% non-condensing
- **Water and dust resistant:** IP67 certified

### PATENTS

US8206325 and US9005141 (under license). Other patents pending

### COMPLIANCE

- FCC ID
- CE
- UL1637
- EN 50134



ESUGSC148 Rev.1.1 For more information, go to: <http://www.essence-grp.com/smart-care>

