



# Care@Home™ Bed Sensor



ES700BD  
Monitoring Sensor Pad for a Bed

## Product

A monitoring sensor pad for any bed, in any home, to track a resident's movement in or out of bed, integrated with the Care@Home™ product suite

Features include:

- Two components:
  - RF sensor transceiver
  - Nonslip, waterproof, anti-microbial, pressure pad
- Warnings include:
  - Staying in bed too long
  - Leaving the bed and wandering around
  - Possibly falling, if not identified by another sensor within a predefined period
- Dual LED (green/red) for detection status indication
- Modern, stylish, compact design
- Easy to clean and maintain

## 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:** Up to 400 m (1,312 ft.) – open air
- **Protocols:** Proprietary bi-directional radio protocol
- **Modulation and frequency:** FSK modulation:
  - 868.3 MHz (China)
  - 869.225 MHz (Europe)
  - 916.5 MHz (North America and Australia)
  - 916.3 MHz (Israel)
- **Data security:** 32-bit ID, over 4 billion combinations

### TRANSCIVER SECURITY

- Tamper mechanism for open cover
- **Visual indications:** 1 green and 1 red LED

### SENSITIVITY

- **Nominal detection threshold:** 22 kg (50 lbs.)

### POWER CONSUMPTION

- **Batteries:** 3V CR123A lithium battery
- **Battery life:** Up to 3 years

### DIMENSIONS

- **Size (H x W x D):**
  - **Transceiver:** 98 x 25 x 25 mm – 3.86 x 0.98 x 0.98 in.
  - **Pressure pad:** 76.2 x 27.94 x 0.8 cm – 30 x 11 x 0.3 in.

### ENVIRONMENT

- **Storage ambient temperature range:** -20°C – 70°C (-4°F – 158°F)
- **Operating ambient temperature range:** 0°C – 49°C (32°F – 120°F)
- **Operating humidity:** Up to 93% non-condensing

### COMPLIANCE

- CE, FCC, IC, UL



ESUGSC087 Rev. 1.1 For more information, go to: <http://www.essence-grp.com/smart-care>

