

Epilepsy Monitoring System

Bed Movement Monitor & Call Receiver



Using a high-performance sensor, the Bed Movement Monitor detects the type of movements that could indicate a seizure. It then sends a radio-signal alarm to a Caregiver-Call Receiver, which transmits the alarm onward through its wired connection to a control panel. The monitor can help to indicate the following seizure types: tonic-clonic, partial, and generalized.



Monitor features include:

- Digital movement sensor
- 450 meters plus radio range
- 12 month battery life
- Anti-microbial plastic casing
- Tamper proof
- Test LED
- USB socket enables modification of settings from a computer

Call Receiver features include:

- Mains powered with battery backup
- Always-on design (no off switch)



Essence Care@Home™ enables families to be confident that their dear ones are cared for and able to maintain an independent lifestyle. The award-winning Care@Home™ Multi-Service Platform is an Aging-in-Place product suite that offers seamless home care monitoring indoors and outdoors, supporting independence for seniors and giving peace of mind to their loved ones. Essence is spearheading a paradigm shift in seniors' Aging in Place experience.



MONITOR SPECIFICATIONS



COMMUNICATIONS

- RF range: 450 m (1,476 ft.)

DEFAULT SETTINGS

- Movement sensitivity: 15 mg
- Movement period: 15 seconds
- Movement frequency: 1 movement in 3 seconds

OUTPUTS AND INPUTS

- USB
- LED

POWER

- Current: 61.6 μ A average current (0.8 μ A shutdown)
- Batteries: 2 x AAA (LR03) non-rechargeable
- Battery life: 12 months
- Battery low: 2.40 V
- Battery end: 2.20 V
- Battery shutdown: 2.00 V

MECHANICAL

- Size (H x W x D): 97 x 40 x 15 mm (3.82 x 1.57 x 0.59 in.)
- Weight: 80 g (2.82 oz.)
- Sealing: IP53
- Fireproofing: UL 94 V-0
- Case material: white ABS anti-microbial
- Fascia material: Microban Polyester

ENVIRONMENT

- Operating ambient temperature range: -10°C — 30°C (50°F — 86°F)
- Humidity: 90% maximum non-condensing

CERTIFICATIONS and APPROVALS

- CE

CALL RECEIVER SPECIFICATIONS



INPUT

- Radio receiver

OUTPUTS

- LEDs
 - Alarm LED: red
 - Power LED: green
 - Monitor LED: green or red
- Wired output: RJ11/RJ12

POWER

- Input voltage: 12V DC (300 mA max).
- Current:
 - No off/standby state
 - ~24.5mA running current (at 3V)
 - 220 mA max charge current
- Batteries:
 - Type: 2 x AA (HR6) Ni-MH rechargeable, 1.2V, 2500mA
 - Battery backup life: 24 hours
 - Battery low: 2.40 V
 - Battery end: 2.20 V
 - Battery shutdown: 2.00 V
 - Charging time: 12 hours

MECHANICAL

- Size (H x W x D): 90 x 90 x 31 mm (3.54 x 3.54 x 1.22 in.)
- Weight: 164 g (5.78 oz.)
- Sealing: IP53
- Fireproofing: UL 94-HB
- Case material: white ABS anti-microbial
- Fascia material: Microban Polyester. ISO22196

ENVIRONMENT

- Operating ambient temperature range: -10°C — 30°C (50°F — 86°F)
- Humidity: 90% maximum non-condensing

CERTIFICATIONS and APPROVALS

- CE

PART NUMBERS



Companion Mini Connect: ESM-EPS-001
RJ11 to Bare End: ESM-EPS-002



IMPORTANT

This datasheet contains basic information only. Refer to the Alert-iT [UH1479A Companion Mini Connect Handbook](#), available [here](#).