

EP-iT

A Guide to Epilepsy Management



For carers at home or
professional care organisations



The Alert-iT Epilepsy Range

Alert-iT has pioneered epilepsy support technology for over 25 years, producing our first bed-based device for night time monitoring in 1992. Through continuous research, development and a key partnership with PulseGuard, Alert-iT is now able to offer extensive support with the following seizure types:



Alert-iT monitors are ideally suited for use in family, care home and hospital environments. With their unique fail-safe radio link, manufactured to Class 1 medical devices and ISO13485 standards, our monitors are proving to be the most effective and reliable available anywhere.

For your complete peace of mind, the Alert-iT team are ready to advise you when it comes to choosing the ideal monitor for your needs, as well as delivering expert aftersales support to ensure you have a product that you can rely on.

The Epilepsy Matrix

Seizure Type	Seizure Presentation	Alert-iT Monitor	Monitor Function
Simple: Partial	Panic or aura	Call Badge*	Alerts carer
	Breathing changes	Guardian	Monitors breathing rate
	Perspiration	Companion	Monitors moisture
	Salivation	Companion	Monitors moisture
	Enuresis	Companion	Monitors moisture
	Verbal sounds	Companion	Monitors seizure-related noise
Complex: Partial	Verbal sounds	Companion	Monitors seizure-related noise
	Abscending (night)	Companion	Monitors bed vacation
	Abscending (day)	Door Monitor/Motion Sensor*	Monitors user leaving area
	Abscending (day)	Tracker Watch*	Monitors user location
	Repetative movements (night)	Companion/Companion Mini	Monitors seizure-related bed movements
	Repetative movements (day)	Smart Watch*	Monitors seizure-related limb movements
	Heart Rate	PulseGuard Pock-iT	Monitors heart rate deviation
Generalised: Tonic-clonic	Repetative movements (night)	Companion/Companion Mini	Monitors seizure-related bed movements
	Repetative movements (day)	Smart Watch*	Monitors repetitive limb movements
	Enuresis	Companion	Monitors moisture
	Perspiration	Companion	Monitors moisture
	Salivation	Companion	Monitors moisture
	Breathing Changes	Guardian	Monitors breathing rate
	SUDEP	Guardian	Monitors breathing rate
	Heart Rate	PulseGuard Pock-iT	Monitors heart rate deviation
	Fall/Collapse	Fall Badge*	Monitors sudden or gradual falls
Tonic	Breathing Changes	Guardian	Monitors breathing rate
	SUDEP	Guardian	Monitors breathing rate
	Heart Rate	PulseGuard Pock-iT	Monitors heart rate deviation
	Fall/Collapse	Fall Badge*	Monitors sudden or gradual falls
	Verbal Sounds	Companion	Monitors seizure-related noise
Atonic	Fall/Collapse	Fall Badge*	Monitors sudden or gradual falls
	Verbal Sounds	Companion	Monitors seizure-related noise
	Heart Rate	PulseGuard Pock-iT	Monitors heart rate deviation
Myoclonic	SUDEP	Guardian	Monitors breathing rate
	Repetitive movements	Companion	Monitors seizure-related bed movements
Absence	Fall/Collapse	Fall Badge*	Monitors sudden or gradual falls
	Panic or Aura	Call Badge*	Alerts carer
	Leaving the bed	Companion/Bed Monitor*	Monitors bed vacation
Ictal Tachycardia	Abnormally rapid heart rate	PulseGuard Pock-iT	Monitors heart rate deviation
Ictal Bradycardia	Abnormally rapid heart rate	PulseGuard Pock-iT	Monitors heart rate deviation

*Also available from Alert-iT

**Extra sensors required

Please note: All Alert-iT monitors are designed and manufactured to Class 1 Medical Device standards. However they are not Class 2 Medical Devices and as such are intended for use as assistive technology only and are not to be used as stand-alone life-saving devices.

The Companion Mini

A compact, robust and portable device, the Alert-iT Companion Mini supports the detection of tonic-clonic seizures. Placed beneath a mattress, the sensor unit differentiates seizure-induced movement from normal sleep activities before passing an alarm to an Alert-iT Safelink Plesio pager.

The Sensor

Brilliantly simple to install and use, the Companion Mini's sensor also makes it one of the smallest and most discreet epilepsy monitoring systems yet. There are no cables to connect and the device is ready in seconds, making it equally useful for use away from home. Highly durable, the casing is made from Biomaster coated plastic for hygiene, while the unit has a battery life of up to one year, keeping maintenance to a minimum.



The Companion Mini Pro

Designed for use in professional healthcare environments, the Companion Mini Pro is used in conjunction with Alert-iT Advanced pagers. A remote reset unit is supplied for installation in the vicinity of the user, ensuring that carers attend when seizures are detected.

The Companion Mini and Companion Mini Pro are designed to support the following seizure types:

- Tonic-clonic seizure (shaking complex partial seizures)



Part Numbers

S1043A	Companion Mini Solution
R1043B	Companion Mini Pro

The Companion

The Alert-IT Companion monitor range offers advanced epilepsy support with dedicated versions available for a range of symptoms. All Alert-IT Companions monitor those at risk of tonic-clonic seizures and situations arising from bed vacation, while dedicated variants support seizures indicated either by verbal sounds, or vomiting and incontinence. In addition, the Companion range is available with Safelink radio or wired Nurse Call and Telecare compatibility, making it suitable for both domestic and healthcare environments.

With over 10,000 monitors sold, and 25 years of constant development invested in its design, the Companion is a proven and effective device. Created with ease of use in mind, it's simple to install and easily adjustable to the needs of the individual.



The Sensors

The Companion's compact, high-performance movement sensor is installed beneath the mattress and is able to distinguish movements associated with seizures from normal sleeping activities, meaning reliable monitoring without false alarms. It is suitable for most types of bed, including profiling and airflow.

The sound sensor features advanced filtering that isolates vocal seizures from typical background noise such as that from televisions and radios.

Bed occupancy sensors are a slim and comfortable, while moisture sensors are incorporated into high quality cotton sheets to ensure total comfort.

The Companion is designed to support the following seizure types:

- Simple Partial
- Complex Partial
- Generalised Tonic-clonic
- Tonic
- Atonic
- Myoclonic

Part Numbers

R1026A	Radio Companion Monitor-Sound option
R1026B	Radio Companion Monitor-Moisture detection option
S1026C	Radio Companion Solution with Plesio Pager
S1027AB	Wired Companion Monitor- Sound
S1027BB	Wired Companion Monitor-Moisture detection option
P158B	Microphone
P142A	Cotton sheets for moisture detection

The Guardian

Our most advanced monitor, the Alert-iT Guardian is comprehensively equipped to ensure optimum support across a wide and complex range of seizure patterns including SUDEP risk, vocal seizures, incontinence, vomiting plus bed and chair vacation. Meeting the stringent needs of professional healthcare environments, it is also highly suitable for domestic use when caring for those with less straightforward symptoms.

The Guardian's extensive range of settings ensures precise adjustment to your individual needs, and the monitor is compatible with virtually all types of bed, including profile frames and airflow mattresses. Versions of the Guardian are available with Alert-iT Safelink Radio technology for use with our pagers, or with wired and Telecare system compatibility.



The Sensors

The Bed Movement sensor is placed beneath the mattress and is used to analyse the extent and frequency of movement. An alarm is raised if the sensor detects a lack of normal movement associated with breathing, or an increase in the occupant's motions indicating a possible seizure. A learning mode allows the unit to record the individual's normal overnight activity to establish the safe criteria.

Sound is detected via an internal microphone that detects gasps, clicks or groans.

The presence of moisture in the bed is identified through a sensor-equipped comfortable cotton bed sheet or pillowcase. Unlike plastic, the material will not induce sweating and hence reduces sores and false alarms.

The Chair and Bed Vacation sensors take the form of slim pressure mats which fit beneath a cover sheet, or as a discreet PVC pressure ribbon. The Guardian can then be configured to raise an immediate alarm when the occupant leaves the bed, or a delayed alarm that will alert carers should the bed remain vacant for too long.

The Guardian is designed to support the following seizure types:

- Simple Partial
- Complex Partial
- Generalised Tonic-clonic
- Tonic
- Atonic
- Myoclonic
- Absence
- The onset of potential SUDEP

Part Numbers	
R1020B	Radio Guardian Monitor
S1020B	Radio Guardian Solution with Plesio pager
S1020A	Wired Guardian Monitor*

*Nurse Call leads sold separately

The Pock-iT

The Alert-iT Pock-iT is a wearable device designed for those with epilepsy whose seizure presents itself through a decreased or raised pulse rate.

Developed in partnership with PulseGuard™, it delivers the robust reliability of Alert-iT's failsafe radio, coupled with the monitoring and ease of use that define PulseGuard™ technology. The Pock-iT monitors and processes a constant flow of data from the wearer. It then passes an alarm call to the Alert-iT pager should the pulse-rate vary beyond the wearer's regular pattern.

Extremely versatile and reliable, the Pock-iT can be worn by everyone from infants of five months right through to adults.

The Sensor

The sensor is simply worn on a wrist or ankle, and is rechargeable with a battery life of up to 10 hours. The strap is soft, breathable, waterproof and made from a non-allergenic material.

The Pock-iT is designed to support the following seizure types:

- Ictal tachycardia
- Ictal bradycardia
- Tonic
- Complex Partial
- Generalised Tonic-clonic
- Atonic (Drop Seizures)
- The onset of potential SUDEP



Part Numbers

S1044A	Pock-iT Solution with Plesio Pager
R1044A	Pock-iT Pro

Alert-iT have distributors throughout Europe who are happy to assist you with our products



Picomed AS

Distributor in Norway (N) and Sweden (SE)

Contact Number: +0047 37119950

Email Address: post@picomed.no

Website: www.picomed.no



Astrid Leisner and Son Ltd

Distributor in Denmark (DK) and Germany (D)

Contact Number: +45 63 71 30 50

Email Address: info@leisner.dk

Website: www.leisner.dk



Tunstall Emergency Response Limited

Distributor in Ireland (IRL)

Contact Number: +353 1850 247 999

Email Address: sales@emergencyresponse.ie

Website: www.tunstallemergencyresponse.ie

If your country is not listed, please contact Alert-iT direct – we'll be happy to help.



Alert-iT Care Alarms

Contact Number: +0044 1530 239900

Email Address: enquiries@alert-it.co.uk

Website: www.alert-it.co.uk

Alert-iT are looking to expand their distributor network,
register your interest at enquiries@alert-it.co.uk

Every solution comes with complete peace of mind...

All Alert-iT technology (excluding mats and sheets) comes with our three-year warranty and is designed for simple installation and use. Our support desk will offer help on the use of our technology if required. If these solutions below don't meet your requirements please call our sales team as we may be able advise and create an individual solution.