

Issue	Date	Detail
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## Selection of suitable Nocturnal Seizure Support Monitor

Below is a list of the typical symptoms associated with an Epileptic Seizure. Depending on the combination of symptoms one or more sensors may be needed to increase the certainty of catching the condition.

If there is one symptom that always presents, then use the one sensor in the list that meets that need. If there are multiple possible symptoms, then note all the sensors required.

The sensor are given a reference number which should be noted and then refer to the product table to select the right monitor to provide the combination required.

### Does the user have changes in breathing patterns?

The breathing can stop	4
The breathing can become very slow compared to normal sleeping rate	4
The breathing can become very fast compared to normal sleeping rate	4

### Does the user have Tonic/Clonic (shaking seizures)?

So violent that the user can be thrown out of bed (and is not constrained)	1 and add sensor 3
Full body jerking that makes the bed move/creak	1
Small body jerks that make the mattress move	1
Small single limb movements that hardly move the mattress	1 may be suitable on top of mattress (test)
No movement	1 not suitable

### Sound

Does the user make a continuous series of sounds during a seizure (clicking, grunting, gasps or other repeated noises that do not occur normally)?	5
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### Does the user urinate?

At the start of the seizure	2
At the end of the seizure	Use 2 as a second sensor if required
Not at all	2 not suitable

### Does the user vomit?

At the start of the seizure	2
At the end of the seizure	Use 2 as a second sensor if required
Not at all	2 not suitable

### Bed Vacation

The user is at risk if they leave the bed unaided	3 set for instant
Yes, but they are likely to have a seizure while out of bed	3 set for delay

Yes but infrequently and they are not likely to be in danger while out of bed	3 but not essential
Yes and they are normally safe while out of bed.	3 not needed

## Product Choice

From the above symptom list you should have a list of sensor numbers suitable for the user

Alert-iT offer three variations of Bedside Monitor which allows for different combinations of sensors. Choose the first monitor in the following table that can accept all the sensors required

	1 Movement	2 Enuresis	3 Bed Vacation	4 Breathing	5 Sound
P154AA	*		*		*
P154AB	*	*	*		
P139A	*	*	*	*	*

## Sleeping pattern

The users sleeping pattern can influence the best choice for setting parameters on the monitor, and in the actual sensor chosen for Bed Vacation. The normal choice would be a pressure mat on top of the mattress, activated by the users weight. An alternative is a Bed Led sensor which is triggered by the total weight of bed and occupant, it is therefore less sensitive to the sleeping position but the user must add significant weight to the bed.

Infrequent movements with body position remaining in the same basic place	No special precaution
Restless movements but with body position remaining in the same basic place	May need increase to seizure time delay
Restless movements and can curl up	Test 1 for efficacy. 3 may need Bed Leg to stop false alarms Check user remains over Urination or Vomit detection sheet
Restless movements and curls up at top or bottom of bed	Test 1 for efficacy. 3 may need Bed Leg to stop false alarms Urination or Vomit detection may not be possible.
Restless movements and inverts position	Test 1 for efficacy. 3 may need Bed Leg to stop false alarms Check user remains over Urination detection sheet. Vomit detection not possible.
Other types of sleeping patterns	discuss with supplier