Quick-start guide for P139A Radio linked Bedside Monitor systems (S1020, S1016)

The P139B is a flexible monitor capable of using a range of sensing elements and passing an alarm to a portable Alert-iT Plesio Pager. We have provided your system with a selection of our sensors to best suit your needs and set any operating parameters as best we can within our experience and information you provided. This leaflet is a quick-start guide to installing, testing and using your system. After installation we are pleased to offer you a full system check via our telephone helpline, and would urge you to use this service. Should you wish to change any of the operating parameters or modify your system in any way, then detailed handbooks are available on request or on-line at www.alert-it.co.uk/handooks/



System components and connection

(actual components supplied may vary to order)

	Part Description	Part No
Α	Bedside Monitor	P139B
В	Bed Movement Sensor	P140A
С	Bed Occupancy Mat (S1016 only)	P143C
D	Extension lead for C (S1016 only)	P157D
Е	Power Supply for A (UK)	P113B
F	Pager	P168A
G	Power Supply for F (Universal)	P153A
Н	Moisture Sheet (optional purchase)	P142A
Ι	Connecting Lead for H/optional)	P141A



Full adjustment details are found in handbooks available on: www.alert-it.co.uk/handbooks/ Or by phoning Alert-iT Client set-up: Venue/Client

Date:

Alarm Setting & Pager Messages							
Function/Menu	Left	Range		Comment	Defaut	Monitor /Pager	Client Set
ID Number/Site No				Appears on screen at power up			
On/reset/menu key	off		menu	Press to scroll menu. Press also resets alarms			
SUSPEND/POWER	OFF			1 press to suspend alarms, 2 press to turn off (if enabled)			
Tick Volume	off	1	8	Volume of click on each shallow movement	8		
Shallow Magnify		1	8	Set for optimum movement detection using tick or * symbol	4		
Shallow Minimum	off	0	10	MPM below which is alarm	OFF	Alarm On, Red Flash	
Shallow Maximum	off	20	30	MPM above which is alarm	OFF	Alarm On. Red Flash	
Shallow Delay		10	60	Minimum time for Shallow movement alarm to be detected	30	Alarm On, Red Flash	
Spasm Delay	off	5	60	Time for spasm to set alarm	15	Alarm On, Red Flash	
Spasm Magnify		1	8	Set for optimum detection of spasm using # symbol	4		
Spasm Rate		1	4	Seconds between movements: a spasm is assumed if faster	3		
Sound Delay	off	5	60	Time for sound level to set alarm	OFF	Alarm On, Red Flash	
Sound Magnify		1	8	Sensitivity of microphone	4		
Sounds Rate		1	4	Seconds between sound bursts: a spasm is assumed if faster	3		
Moisture	off	1	5	Fault alarm if sensor open circuit. Covers moist to wet	OFF	Alarm. On, Red Flash	
Bed Occupancy		5 s	24h	Time allowed for vacancy before alarm. Shallow alarm inhibited.	15 h	Alarm On, Red Flash	
Reload Default				Snapshot saved in "hidden menu"			

Other alarms without set-up parameters						
Function	Pager	Comment				
Moisture Sensor fault	Red Flash, Alarm OFF	Open circuit wires				
Battery Low	Red Flash, Alarm OFF	Connect charger				
External Alarm	Red Flash, Alarm On	Only on P139xxB with internal radio receiver				
Radio signal fail	Red On	Intermittent tune. MUST BE CORRECTED				

Unless otherwise agreed, the P139 will be shipped only to create alarms in response to Bed Movement, to prevent the confusion of many alarms activating as soon as the unit is turned on. Any unused sensors will have their menu hidden (see handbook to change this). The other alarm functions can then be enabled one at a time as confidence is gained at each level. The table below shows the recommended default start setting for alarms and the pager indication that will occur. It can be used to record the actual settings used

Safety Instructions an	nd Warnings	Recommended procedure for the introduction of the Guardian Monitor		
This symbol indicates there are warnings and this equipment that should be carefully read				
This symbol indicates where a Patient Applied p to follow these instructions carefully	art is connected, for which it is importan	 The Shallow Movement Magnify should be set at 4 with the Tick Volume set at 8. Lie on the bed 		
 Ensure that the senor cable is routed and secured to avoid the risk The Enuresis sensor cable MUST be connected to the monitor pri Only the recommended power supply shall be used as it is certic EN60601-1 Ensure the power cable is routed to avoid a trip hazard Regularly check the power supplies for damage and potential sho Only use the monitor with accessories approved for use with this Any sensor over the mattress (Bed Vacation or Incontinence) has assess this risk and monitor the use of these products Any sensor over the mattress could pose a fire hazard if in contae Regularly test all sensors as described hereon Clean and disinfect each item regularly in accordance with inform Some accessories are fitted with small screws and have plastic bavulnerable patients who might choke on them Ensure, by testing, that the alarm is annunciated on the pager at th Operate power supply and charge pager away from direct heat an As with all medical electronic equipment there is potential for interference from other electrical or electronic devices. For this recable in close proximity to sensitive electronic devices. For this reable in close proximity to sensitive electronic devices. If the equipment. The carer must conduct a risk assessment to determine if the leve additional monitoring is needed. Contact the manufacture for assi Additional levels of mechanical protection may be needed for sor advice 	or to using the press-study to connect the sheet sen fied to provide two means of patient protection to ck risk product and only in accordance with instructions. the potential to cause pressure sores . The carer me et with a smouldering cigarette. nation herein gs. Ensure these do not come into the possession o he carer's location(s). d uncovered. the equipment to interfere with or be effected by ason avoid placing the monitor, sensor or connecti which produce strong electromagnetic fields such and testing must be conducted to ensure continued s l of reliability offered by the monitor is sufficient of stance with Risk Evaluation Tools.	 Get off the bed and ensure a Shallow Movement alarm is raised. It is anticipated the alarm should happen within 30 seconds, however some mattresses relax after the weight is removed and could delay this test. However if the magnify is high (7 or 8) then beware in case draughts or vibrations are causing the bed to move. If a Bed Vacation sensor is to be used then this can now be fitted. Ensure the word VACANT appears when the bed is empty but that this disappears when occupied. Leave the time delay set for the default 15 hours at this stage. The seizure setting will normally be 15 second delay, 24 movements per minute detection threshold. This has proved an excellent starting point with low false alarms. Check the magnification by tapping the mattress at a range of places where the client might sleep and with a force equivalent to the expected seizures. Note the occurrence of the # symbol in the bottom left corner of the display. Adjust the magnification if this does not occur as expected. Once the units has been used successfully for a few days and false alarms are minimal then the next set of sensors can be enabled if required. Change the Bed Vacation time if shorter than 15h hours is needed. Add moisture monitoring if required. Remember an alarm is raised if the monitor is enabled without the mat being connected. However the alarm is then suspended if the RESET button is pressed 		
Support For technical support please fax or EMail: HELP: 0845 217 9951 FAX : 0845 217 9953 Support@alert-it.co.uk using technolog	Designed by: Alert-it Care Alarms Leicester, LE9 9FE, UK	The Alert-it system has been designed with due regard to reliability and integrity. While it offers a highly vigilant monitoring method, it is always possible that a distress condition can go undetected for a variety of reasons (including malfunction) and in life threatening situations it is advisable to use the Alert-it system in conjunction with additional monitoring techniques (e.g. video). Neither the manufacturer nor its agent can accept legal responsibility to provide a		

system that is infallible.

The system complies with 93/42/EEC as a Class 1 Medical Device The system complies with EN60601 for Class 2 Electrical Safety and does not need a protective earth.