


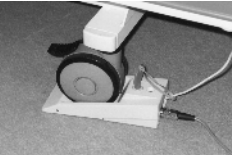


## Quick-start guide for P166A Radio linked Mobility Monitor systems:

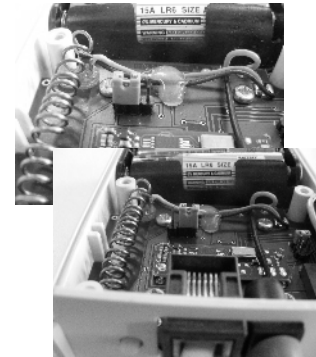
The P166A is a Bed Vacation monitor designed to provide a safety guide light and also passing an alarm to a portable Nurse Call Pager if the absence is extended. The system will have been provided with sensors and set for operating conditions to best suit your needs, within our experience and the information 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/handbooks/](http://www.alert-it.co.uk/handbooks/)

Install the sensing components	Connect to P166 and test	Normal Operation
<p>The following covers the different sensing options available with the monitor</p>	<p>The connection of any sensor to the P166 is by means of a telephone style 6 pin connector, which should be pushed home until the click of the latch is heard</p>	<p>The unit will be quite passive until the sensor is deactivated, when the Blue Light will come on. Normally the alarm operates with a time delay set to allow the user to visit the toilet. If the sensor remains activated for this delay then the alarm will be transmitted. The pager will show the alarm and will normally also sound an appropriate audible alarm (which can be silenced either permanently or for 5 minutes while attending the client). The pager can also be set to vibrate (see setup sheet). Once the user returns to bed the light will extinguish after 15 seconds</p> 
<p>The P143C <b>Bed Occupancy</b> Mat is installed on top of the mattress under a suitable cover sheet, in a position that ensures the maximum body weight is lying on the mat, typically below the upper torso. Under the shoulder area is a good place if an alarm is required before the users feet touch the floor.</p>	<p>Turn on the P166 by connecting the external 12v power adapter. The blue light will flash and the unit enters STANDBY</p> <p>Turn on the <b>Pager</b> by pressing the MENU button for 3 seconds (in the event of no response then charge the battery for at least 5 minutes)</p> 	<p>The front PRESS switch can be used to call for assistance by a short 1 second press. A PRESS longer than 5 seconds sets an URGENT alarm. The alarm can only be cleared at the monitor by pressing the RESET button.</p>
<p>The P143G Bed Ribbon is installed under the mattress. The unit is most sensitive with nodules downwards and must be positioned to be straight when there is no bed occupant, and bent by their weight. Please see the P143G handbook for tips on creating an effective installation</p> 	<p style="text-align: center;"><i>These tests must be repeated regularly to check the sensors</i></p> <p><b>Radio Test:</b> A short press on the reset button (less than 1 second) will stimulate a radio transmission (and battery test). The name of the alarm monitor should flash up on the pager as a result. Repeat this at the extremities of the building to test radio reception</p> <p><b>Bed Occupancy :</b> After pressing RESET the P166 will be in a disarmed STANDBY state awaiting the user to return. By activating the occupancy sensor the unit will arm and emit a beep, which proves the successful operation of the mat. This makes an ideal test of operation. On deactivating the sensor the Blue Light will come on after 4 seconds. An alarm will be sent immediately or after a delay depending on the link setting</p>	<p>The Bed Occupancy reset has a special feature to prevent false alarms during the day. If the RESET button is pressed at any time with the occupant out of the bed, then the alarm will reset, the light extinguishes (after 15 seconds) and detection is inhibited until the sensor is next activated, indicating that the client has got into the bed and is therefore now to be monitored.</p>
<p>To use the P144 <b>Weight Sensor</b>, the bed/chair leg is positioned in the recess of the wedge. For beds it is recommended to use a leg near the headboard which carries greater patient weight. On wheeled legs it is best to lock the wheels where possible as movement within the recess can affect the weight setting.</p> 		<p>The monitor may have the Safelink protection enabled. Should the radio signal become weak or disappear, then the pager will show RF Fail, which should be corrected immediately as it implies any alarms would not be displayed</p>
<p style="text-align: center;">Other sensors are available</p>		

Alarm indication on monitor and at the pager/receiver				
Alarm	Detect Delay	P166	Pager	
Call	Instant	On	Assist 01	Intermittent tune + alarm
Call	5 seconds	On	Urgent 02	Continuous tune + alarm
Bed exit	Delay set by link	On	Urgent 01	Continuous tune + alarm
TEST	Press Reset	Flash	Shows node name	

### Instant/Delay link

The Bed & Chair occupancy systems (P143, P144, P149) can be set for instant alarm or for an alarm after 15 minutes (or any delay to special order). The choice is controlled by an internal link. To access this link, then remove the base by removing the 4 corner screws.. The link can then be set as shown below:



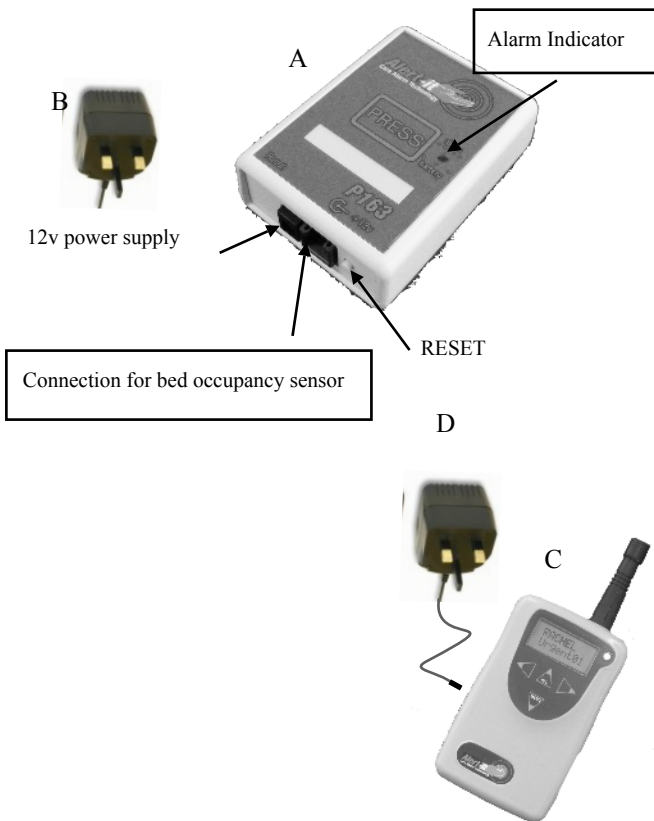
Alarm will occur instantly

Alarm will be delayed

### System components and connection

(actual components supplied may vary to order)

Part Description	Part No
A Monitor	P166
B Mains Adapter	P171
C Pager	P138B
D Power Supply for C	P153A
E Bed Occupancy Pad	P143C
F Bed Leg Weight Monitor	P144B
G Bed Ribbon Sensor	P143G



Full adjustment details are found in handbooks available on:  
[www.alert-it.co.uk/handbooks/](http://www.alert-it.co.uk/handbooks/)  
 Or by phoning Alert-iT **0845 2179951**



This symbol indicates there are warnings and precautions associated with the use of this equipment that should be carefully read and understood before using the equipment.

1. Ensure that the sensor cable is routed and secured to avoid the risk of entanglement or strangulation.
2. Only the recommended power supply shall be used as it is certified to provide two means of patient protection to EN60601-1 in non-hospital environments
3. Consult the manufacturer for power supplies suitable for hospital use
4. Ensure any power cable is routed to avoid a trip hazard
5. Regularly check the power supplies for damage and potential shock risks
6. Clean and disinfect each item regularly in accordance with information herein
7. Regularly test all sensors as described herein
8. Ensure, by testing, that the alarm is annunciated at the carer's location(s)
9. Operate any power supply and charge pager away from direct heat and uncovered.
10. As with all medical electronic equipment there is potential for the equipment to interfere with or be effected by interference from other electrical or electronic devices. For this reason avoid placing the monitor, sensor or connecting cable in close proximity to sensitive electronic devices or devices which produce strong electromagnetic fields such as radio transmitters, mobile phones or power cables.
11. Only use the monitor with accessories approved for use with this product and only in accordance with instructions.
12. If the equipment is modified in any way, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.
13. The carer must conduct a risk assessment to determine if the level of reliability offered by the monitor is sufficient or if additional monitoring is needed. Contact the manufacturer for assistance with Risk Evaluation Tools.
14. Additional levels of mechanical protection may be needed for some patient disorders. Contact the manufacturers for advice
15. Some accessories are fitted with small screws and have plastic bags. Ensure these do not come into the possession of vulnerable patients who might choke on them
16. Any sensor over the mattress (Bed Vacation) has the potential to cause pressure sores . The carer must assess this risk and monitor the use of these products
17. Any sensor over the mattress could pose a fire hazard if in contact with a smouldering cigarette.
18. The monitor and all accessories are designed to operate indoors in a residential environment of 10°C to 30°C and 90%RH max.

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.

*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 carer is responsible for assessing the risks of using this equipment and any settings pertaining to it.*

## **Support**

For technical support please fax or EMail:  
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...using technology to care for carers