
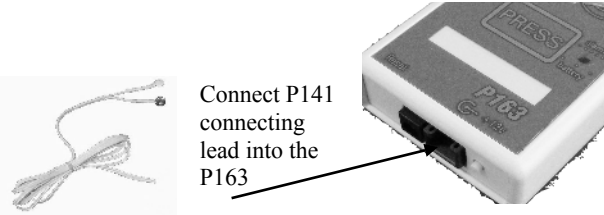



## Quick-start guide for P163A Radio linked Enuresis Monitor systems: (S1034D)

The P163BBA is an incontinence monitor capable of using a range of moisture sensors and passing an alarm to a portable Nurse Call Pager. The system will have been provided with a sensor 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/)

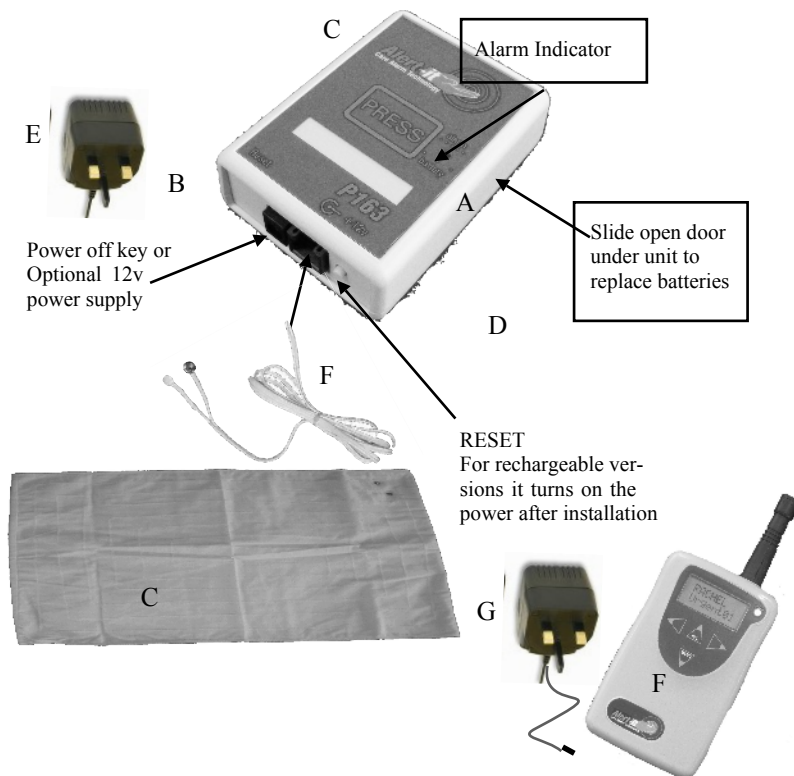
Install the sensing components	Connect to P163 and test	Normal Operation
<p>The P141 cable is connected to the P163 with the RJ12 Telephone Style Plug and then to the <b>Moisture Sensor</b> using press-studs . This is placed either over the pillow for vomit detection or on top of the mattress in the region of the groin for urination monitoring.</p>	<p>Turn on the P163 by removing the Red plug-in key. The P163 has a internal alkaline battery or an external 12v power adapter can be used. A rechargeable option (P163D) is also available. For this unit there is no power key as the protection battery is permanently on. Press the RESET for 5 seconds to enable the battery after first installation. If the battery becomes discharged then a fault message will be transmitted to the pager.</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>Once an alarm is activated the P163 RED alarm light will flash . 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). The Panic alarm can only be cleared at the pager by pressing the button marked RESET on the P163 (for 2 seconds until a beep is heard).</p> 
 <p>Connect P141 connecting lead into the P163</p>	<p><i>These tests must be repeated regularly to check the sensors</i></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 <b>Moisture Sensing</b> sheet has 4 press-studs, 2 are used for connection and two for testing (see picture). Joining the two unused stud will cerate an alarm, provided no wires are broken in the sheet</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>Sensor test:</b> The P142A Cotton sensing sheet has 4 connections. Connect the two two spare press-studs together by a metal object (eg by a paper clip, spoon) the alarm will be activated after approximately 15 seconds. Failure to do so may indicate a broken wire in the sheet (due to washing), which should be replaced. If, however, the red light flashes slowly without an alarm being raised then then batteries will need replacing</p>	<p>When the sensing sheet becomes wet, the Enuresis Alarm is sent to the pager after a 15 second delay. The alarm is automatically cleared when the sensing sheet is dried or replaced.</p>
		<p><b>Cleaning</b></p> <p>Soiled sensing sheets can be washed in detergent and a small amount of bleach at a temperature not exceeding 85°C. The should be hung to dry and NOT tumble dried. See washing label for details.</p>

Alarm indication on monitor and at the pager/receiver				
Alarm	Detect Delay	P163	Pager	
Call	Instant	Flash	Assist 02	Intermittent tune + alarm
Call	>5sec	Flash	Urgent 02	Continuous tune + alarm
Sheet Wet	15 sec	Flash	Assist 01	Continuous tune + alarm
TEST	Press HELP	Flash	Shows node name	
Battery Low	-	Flash every 8 sec	Fault 30	Intermittent tune,+ alarm
Battery Fail	-	Flash every 8 sec	Fault 31	Intermittent tune,+ alarm
Battery Dead	The P163 beeps every 0.5 sec with no LED and no transmission			

### System components and connection

(actual components supplied may vary to order)

Part Description	Part No
A Monitor	P163BBA
B on/off key	P163C
C Cotton Sheet	P142A
Absorbent Cotton Sheet alternative	P142E
D Pager	P138B
E Power supply (optional)	P113B
F Cotton Sheet Cable	P141E
G Power supply for D	P153



#### Battery replacement

If the red ALARM light begins a slow flashing sequence (every 8 seconds) or monitor starts chirping, then the battery needs replacing.

The battery door slides open and batteries are replaced with **2off Alkaline AA Cells**

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 217 9951**



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.



This symbol indicates where a Patient Applied part is connected, for which it is important to follow these instructions carefully

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
3. Ensure any power cable is routed to avoid a trip hazard
4. Regularly check the power supplies for damage and potential shock risks
5. Clean and disinfect each item regularly in accordance with information herein
6. Regularly test all sensors as described herein
7. Ensure, by testing, that the alarm is annunciated at the carer's location(s)
8. Operate any power supply and charge pager away from direct heat and uncovered.
9. 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.
10. Only use the monitor with accessories approved for use with this product and only in accordance with instructions.
11. If the equipment is modified in any way, appropriate inspection and testing must be conducted to ensure continued safe use of the equipment.
12. 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.
13. Additional levels of mechanical protection may be needed for some patient disorders. Contact the manufacturers for advice
14. 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
15. 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
16. Any sensor over the mattress could pose a fire hazard if in contact with a smouldering cigarette.
17. 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

*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:  
HELP: 0845 2179951  
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...using technology to care for carers