
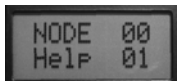


## Quick-start guide for P163A Radio linked Switch/Call Monitor systems (inc S1034C, P163ACA):

The P163A is a flexible monitor capable of using a range of sensing components and passing an alarm to a portable Nurse Call Pager. 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/handooks/](http://www.alert-it.co.uk/handooks/)

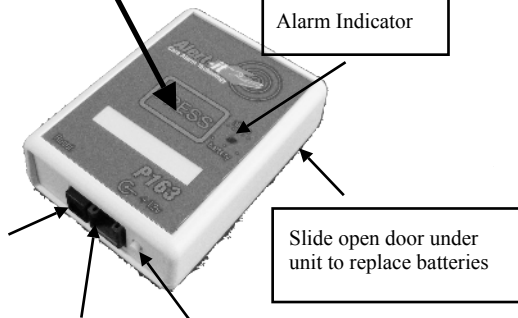
Install the sensing components	Connect to P163 and test	Normal Operation
<div data-bbox="114 416 669 715"> <p><b>External Switches</b> The P163 can be supplied with a wide range of sensing switches, which will be installed as directed in their own handbook. In essence the switch will produce a closing contact connected to the P163. In many instances the switch may have a 3.5mm (ear-phone type) jack and an optional connection lead can be supplied</p> </div> <div data-bbox="114 874 734 1102"> <p><b>Call Assistance</b> The alarm is activated by the user pressing (or covering for the "Touch" version ) the front PRESS button. The switch will create an instant "ASSIST" level alarm after 1 seconds and elevate to "URGENT" after 5 seconds</p> </div> <div data-bbox="98 1342 759 1477"> <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> </div>	<div data-bbox="781 416 1453 520"> <p>The connection of any sensor to the P163 is by means of a telephone style 6 pin connector, which should be pushed home until the click of the latch is heard</p> </div> <div data-bbox="781 536 1453 831"> <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>  </div> <div data-bbox="781 855 1453 927"> <p>Turn on the <b>Pager</b> by pressing the MENU button for 3 seconds (in the event of no response then charge the</p> </div> <div data-bbox="837 967 1406 1031"> <p><i>These tests must be repeated regularly to check the sensors</i></p> </div> <div data-bbox="781 1054 1453 1238"> <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> </div> <div data-bbox="781 1246 1453 1366"> <p><b>Switch test:</b> Operate the switch and check the P163 responds with an audible tone and the alarm light flashing. Also check the correct alarm shows on the pager</p> </div>	<div data-bbox="1487 400 2125 632"> <p>A short press on the alarm switch will cause the unit to "beep" and an ASSIST alarm will be sent to the pager. The P163 will then send an URGENT alarm if the switch is maintained closed for 5 seconds or longer (following a second "beep").</p> </div> <div data-bbox="1487 655 2125 855"> <p>The same alarm functionality can be achieved by activating the PRESS area on the front panel. In the case of the P163ACA "Touch" version simply placing any body part (arm, leg, cheek etc) over the area will activate the alarm, with no physical pressure required,</p> </div> <div data-bbox="1487 951 2125 1461"> <p>The unit will be quite passive until the sensor is activated, when the alarm will be raised at the pager. Remember that some sensors operate with a time delay to reduce false alarms.. If the sensor remains activated for this delay then there will be a beep, the front panel light will flash and 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). The alarm can only be cleared at the pager by pressing the button marked RESET on the P163 front panel (for 2 second until a double beep is heard)</p>  </div>

### Alarm indication on monitor and at the pager/receiver

Alarm	Detect Delay	P163	Pager	
Call	Short Press	Flash	Assist 01	Intermittent tune + alarm
Call	Long Press (5 sec)	Flash	Urgent 02	Intermittent tune + alarm
External (Instant)	Instant	Flash	Urgent 01	Continuous tune + alarm
External (Delayed)	5 seconds	Flash	Urgent 02	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			

Consult the manufacturer if different activation times or alarm levels are required

Press for 1 seconds to send ASSIST alarm, 5 seconds for URGENT alarm

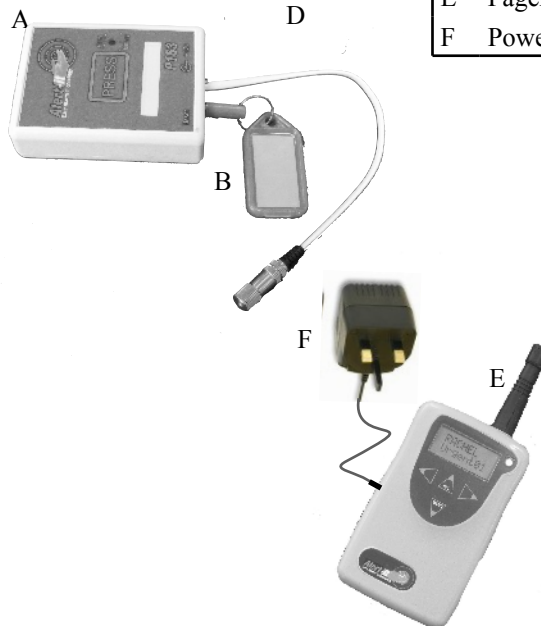


12v power supply or power off key for non-rechargeable versions.

Slide open door under unit to replace batteries

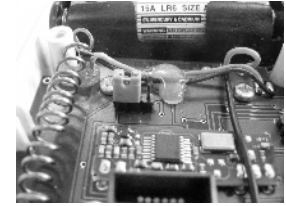
Connection for sensor switches etc  
Instant press sends ASSIST alarm,  
5 second press sends URGENT

RESET  
For rechargeable versions it also turns on the power after installation



### Instant Alarm link

The unit will send an URGENT alarm if the switch is kept closed for 5 seconds or more. It can also be set to send an ASSIST alarm if the switch is fleetingly pressed for less than this time. This is controlled by an internal link. To access this link, then remove the base by removing the 4 corner screws. Remove the link if the instant alarm is not required.



### System components and connection

(actual components supplied may vary to order)

Part Description	Part No
A Monitor	P163ACA, BCA
B on/off key	P163C
C Mains Adapter (optional)	P171
D 3.5mm socket input lead (optional)	P157G
E Pager	P138B
F Power Supply for F	P153A

### Battery replacement

If the pager shows FAULT 30 or 31 or 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.

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