

This system is certified to the following European Standards

93/42/EEC¹	Class 1 Medical Device
73/23/EEC	Low Voltage Safety
BS EN 61010-1	
89/336/EEC	Radio Interference Immunity
BS EN 50081-1:1992	
BS EN 50082-1:1995	
BS EN 300-220-1	
2002/95/ECRoHS	Permitted Materials

¹Alert-it Care Alarms are social aids designed and manufactured in accordance with 93/42/EEC as Class 1 Medical Devices. They are intended to improve the vigilance of carers to distressing side-effects of various diseases, such as Epilepsy and Dementia. They do not monitor vital physiological processes and should not be expected to diagnose any disease or predict the onset of any symptoms.



None of the components, including batteries should be disposed of as Domestic Waste. For information on disposal contact iTs Designs Ltd.

Alert-it Care Systems

P163AAA General Alarm Monitor (radio)

Handbook



One of a range of Alert-it Care Alarms available from:

The P163 is a general purpose sensor interface designed to operate with the Alert-it Pagers (P137 or P138). The standard unit offers two inputs capabilities on an RJ12 (Telephone Style) connector. The first activates the alarm instantly a connection is made while the other activates the alarm after a delay. The delay is normally 6 minutes which is used with Bed Occupancy mats. However all these features can be tailored to special order.

A CALL button on the front allows the unit to also act as a simple PANIC alarm

When the alarm signal is transmitted the button emits a confirmation beep and the red light will flash while the alarm is active. To reset the alarm it is necessary to press the front white RESET button for greater than 1 second (until a beep is heard).

The RESET button is used for a number of functions and is found under the front of the unit. A slight click will be felt on operating the button correctly.

While usually powered from batteries, a mains adapter can be used and a rechargeable version can be supplied

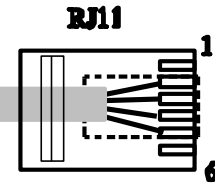
Support

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...using technology to care for carers

Technical Information



pin 1	+12v (optional)	Brown
pin 2	Delay Input	Yellow
pin 3	Instant Input	Green
pin 4	0v	Red
pin 5	0v	Black
pin 6	No connection	Blue

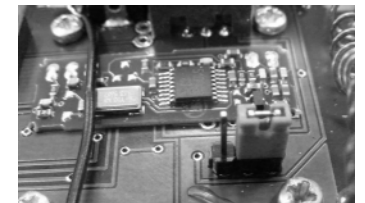
Input connection details

The connection details for the unit are shown above and, in general, the alarms will be activated when a connection is made from pin 2 or pin 3 to 0v (pin 4 or 5).

Pin 3 causes instant transmission of the alarm, while pin 2 will delay transmission for a time that will have been programmed into the unit. For added flexibility an internal link can be changed to make pin 2 also instant. To access this link, remove the 4 case screws and separate the two halves



Link set for DELAY



Link set for INSTANT

Alarm indication at the pager/receiver				
Alarm	Detect Delay	P163	Pager	
Call	Instant	Flash	Assist 01	Intermittent tune + alarm
External (Instant)	Instant	Flash	Urgent 01	Continuous tune + alarm
External (Delayed)	6 minutes	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			

Quick Reference Sheet: Battery Replacement

Operating Mode	Battery capacity
No failsafe heartbeat, no alarms	1 year
Maximum alarm number ¹	2000 alarms

¹ Based on fall alarms with 2 minute response time from carer

Battery Type: 2 of AA Alkaline Batteries or equivalent

The battery needs replacing when FAULT 30 or 31 shows on the P137/8 pager and it gives an intermittent audible alarm and activates the alarm output, when no call has occurred. The P163 will continue to function for some hours (but with a slow flash of the light every 8 seconds), allowing time for this replacement. If the battery is exhausted then the P163 will beep continuously without the light flashing or transmitting.

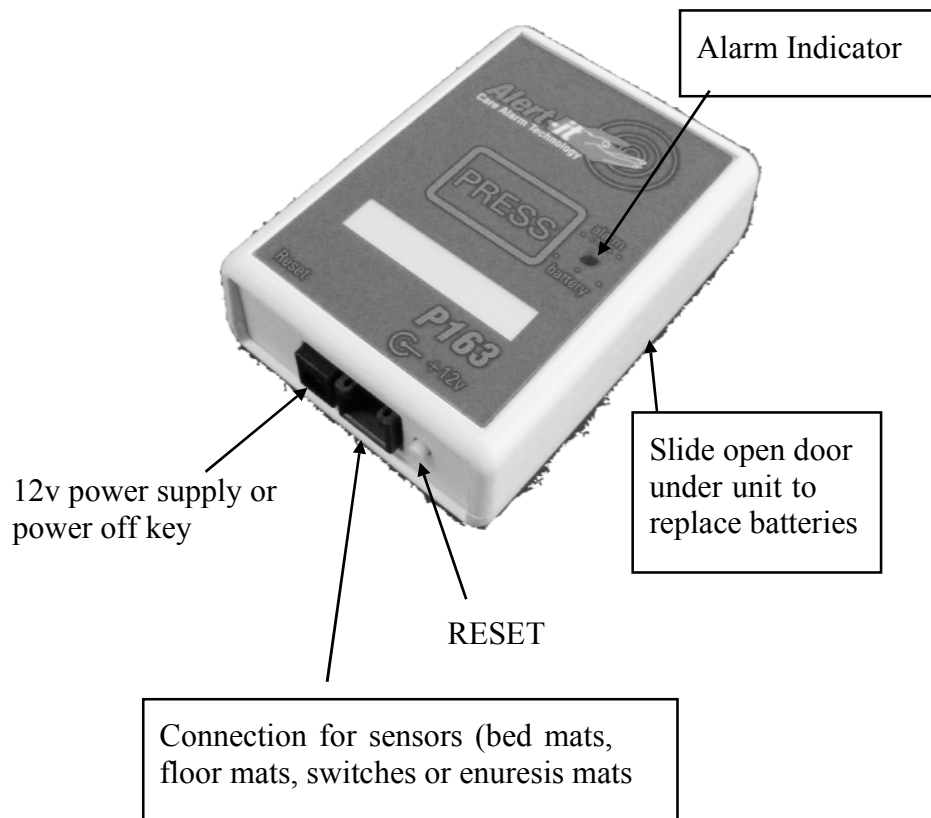
The battery check is stimulated by making a short press of the RESET button.
This should be done daily to test the battery

The batteries are found inside the compartment via the sliding door on the base

Turn-on the P163
Remove the red power key supplied. This key allows the supervisor to monitor that alarms have been turned on, when the key is returned.



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 any legal responsibility to provide a system that is infallible.



Quick Reference Sheet: Installation

Range test.

The unit and pager should be tested in all the usual locations to prove signal reception. A short press (less than 1sec) of the RESET button will cause the P163 to transmit a signal. The pager should respond by showing NODE 00 (or the name allocated to the unit) on the display for 1 second.

Turn off P163

The unit is supplied with a small RED tagged key. Insert this into the front power socket to turn the unit off and prevent alarms being detected

Operating the P163:

Pressing the button for longer than 1 second will result in an ASSIST alarm with audible warning on the pager. Activating an external sensor will result in an appropriate alarm on the pager (eg URGENT) When an alarm is active the red light will flash.

Reset the Alarm

To reset the alarm it is necessary to press the front RESET button for greater than 1 second (until a beep is heard).

For the Bed Occupancy (and similar) versions, the unit can be reset even if the user is out of bed and the sensor activated. This will cause the P163 to clear the alarm, and remain in a standby state. When the user returns and the sensor is once again in its "safe" state, the P163 will beep and re-enter its active alarm monitoring mode