

# Alert-it Care Systems

## P162B Radio Linked Motion Detector

User/Installer Handbook



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

The P162 is based on the familiar infra-red intruder alarm, modified to assist in the care of those who would be at risk if mobile and unsupervised.

The P162 is perfect for discrete monitoring of clients at night as it is totally portable and can be placed in the room at any stage. The system is armed by the carer using a small key fob, who then has 30 seconds to leave the area.

If there is subsequent movement in the room, then the alarm is activated after 4 seconds the alarm is not disarmed with the key fob. The alarm is transmitted by high integrity radio to the Alert-iT P137/8 Pager or P117C Autodialler.

In the event of low battery the unit will light the red led continuously and a FAULT alarm transmitted to the pager.

### Safelink activation

The failsafe feature of your P162 PIR has been set as follows:

With the Safelink failsafe feature activated. Any weak radio will be self-revealing as an “RF Fail” alarm on the pager/autodialler.	
With the failsafe feature deactivated to maximise battery life. <b>In this case please observe the range test described in the installer handbook to ensure adequate area coverage.</b>	

*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.*

## Installation

### **Battery:**

Remove the bottom screw from the rear panel and gently lever up to clear the TEST button and slide out to reveal the battery compartment.

The unit requires 4 AA Manganese cells, which should last about 3 months.

Replace the rear panel, ensuring the cable lies flat so not to bow the rear panel

The key-fob batteries should be replaced if the red light on that unit does not flash when a key is pressed. They are replaced by sliding open the cover. The unit requires 3 LR44 batteries.

### **Programming:**

After replacing the AA batteries the LED will flash. The key-fob must now be linked to the unit by pressing the ARM button on the keyfob while pointing it at the unit. The red light will flash when the link is accepted

### **Location:**

The unit has a horizontal view window covering approximately 1.5 meters (the length of a bed) from a distance of 1.5 meters. It also has a narrow vertical window ( $\pm 20$  cm from the base) at this point. This makes it ideal for monitoring bed occupancy as well as entry to specific areas of a room or corridor.

If placed on the floor pointing at a bedside, at a distance of 1.5-2.5m, it will be ideally positioned to detect feet descending to the floor, while immune to body movement.

If positioned on furniture or wall mounted using the bracket supplied, at a height of approx. 50 cm above the bed height with a clear view of the bed, it will detect someone sitting up while being immune to normal movement around the bed.

If positioned viewing a door or on a corridor wall at body height it will operate when someone comes into view, but can be immune to pets etc at floor height. The range is up to 5 metres.

### **Safe Radio Operation:**

The P162 can operate in Safelink mode which, by a regular transmission, proves the integrity of the system. In this case successful operation of the radio is self-proving, but this mode reduces battery life. If the radio link fails then after a short delay the pager will display "RF Fail" or the autodialler will show the red "RF Fail" light.

In general this mode is not enabled for "fixed" installations. The radio reception is then proved by pressing the test button on the top for 1 second which will transmit a test signal which can be monitored at the pager (node name is seen) or autodialler (green light flashes)

## Operation

### **Arming the unit:**

Point the key-fob at the unit and press ARM. The red led will flash. You now have 30 seconds to leave the area without triggering the alarm

### **Disarming:**

Point the key-fob at the unit and press DISARM within 4 seconds of entering the room. The red led will flash.

### **Cancelling the alarm:**

Point the key-fob at the unit and press DISARM. The alarm indication on the pager or autodialler will cancel.

## Triggering

Once triggered the unit will light the red led and send the alarm to the pager/autodialler. Cancelling the alarm with the key-fob will clear the indication. The alarm will automatically reset after 30 seconds if no further motion is detected

## Alarm Indication

During an alarm the pager will show the node name and status URGENT 01. The red alarm light will show and an audible alarm will sound.

The P117 Autodialler will show the red alarm light, send a similar audible alarm and trigger the telephone message.

### **Support**

For technical support please fax or EMAIL:

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...using technology to care for carers