

# Alert-it Care Systems

## P162A PIR to Nurse Call

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 and connected to the infrastructure Nurse Call system. 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 after 4 seconds the alarm is activated if not disarmed with the key fob, the Nurse Call system is activated by a closing contact.

In the event of low battery the unit will light the red led continuously

The P162A is supplied with a lead configured for use with any Nurse Call or Remote Annunciator (including telephone autodiallers). The output can offer both normally open and normally closed switch contacts

*The P162B features a radio link to the P137/P138 pagers instead of a direct Nurse Call connection*



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 and slide out to reveal the battery compartment. Ensure the Nurse Call cable slides through the hole to allow the back panel to be moved clear.

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 main batteries the LED will flash. The security code must now be entered by pressing the ARM button on the keyfob while pointing it at the unit.

The red light will flash when the code is accepted

### **Location:**

The unit has a horizontal 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 positioned 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.

### **Connecting to Nurse Call:**

Plug the unit into the wall socket, replacing any call button.

## 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, then reset any remote alarm equipment (eg the Nurse Call Wall unit)

## Triggering

Once triggered the unit will light the red led and activate the Nurse Call by an effective closing/opening the switch connection. Cancelling the alarm will open this connection, but the Nurse Call may also require to be reset.

This system is certified to the following European Standards

**93/42/EEC<sup>1</sup>**

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

<sup>1</sup>Alert-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.

## Support

For technical support please fax or EMail:

HELP: 0845 217 9951

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Designed by:  
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...using technology to care for carers



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