



Wired System

# P162 Motion Detector

Radio System

The P162 uses the familiar intruder alarm technique of detecting the movement of a human body by infra-red. However the unit is specifically designed to offer the functionality required for the care of handicapped, frail or infirm. In particular

- The unit is free-standing and battery powered
- The units can be disarmed by using a key-fob
- The beam detection angle is matched to detecting bed vacuation or even when the client sits up in bed.
- The unit can be mounted above a door way to monitor entry/exit
- The beam is also perfect for monitoring corridor or doorway use (and can even ignore small pets).



P162B Radio linked

On detecting motion the wired unit (P162A) can trigger a Nurse Call system via the normal wall socket, whereas The P162B can trigger an alarm via secure radio on the P137 and P138 Pagers.



P162A Nurse Call connected

For bed vacuation the unit is best positioned about 2 m from the bed and set on the floor. Normal movement around the bed will go undetected but once a foot appears in view the alarm is triggered.

Alternatively by mounting on a wall or tall furniture at about 60cm above the bed height, the unit will again not trigger through normal bed movement (which is now under the beam), but will trigger when the occupant sits up.

The same mounting position but looking across a corridor or doorway will result in detection of clients moving in the area, which ignoring pets at floor height.

If mounted above a door way at near ceiling height, the unit will trigger only when a body crosses the threshold of the door.

*"SafeLink"<sup>™</sup> is a complete radio link concept which, by means of repetitive self-check signals and secure information coding, can alert the carer not only to the alarm but also to the loss or degradation of the radio signal. Most importantly it warns of interference from other systems using the same frequency range (e.g. door-bells, car locks, burglar alarms). As many as 15 systems can be used in the same area without interfering with each other. The radio signal will penetrate walls so that the system is suitable for linking bedrooms, between floors or even between adjacent houses, up to a clear sight range of 450 metres.*

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, but not replace, 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.