

# Staff Alarm



Alarm Radio Monitoring  
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**arm** Staff Alarm system is a dual-technology based portable alarm system which combines both the unique location & identification capability of infra-red alarms with the integrity and security of a fully supervised radio system.

The system consists of fully monitored & addressable wireless ceiling or wall mounted location units making installation quick and easy with minimal disruption.

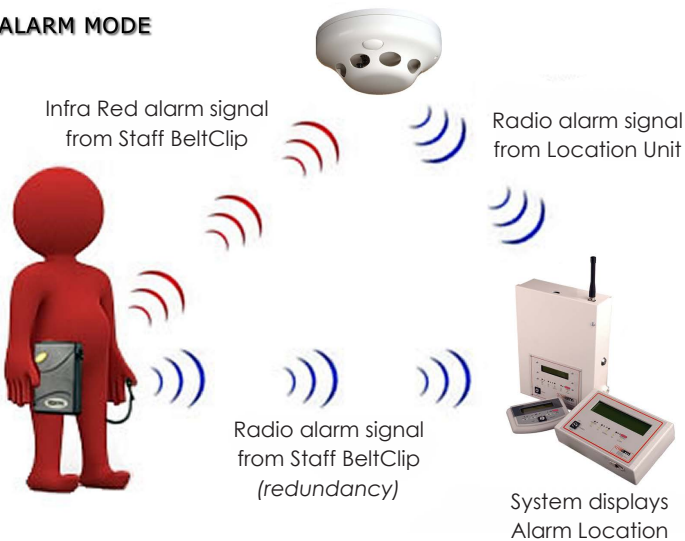
**arm** personal alarm (PA) devices feature 2 levels of alarm (*assistance & attack*) and an emergency rip cord (*beltclip version*) or an emergency neck toggle (*pendant version*). An optional man down automatic alarm provides reassurance for lone workers.

PA devices emit their identity to location units every 5 seconds, this information is then recorded by the system and updated each time a new location is detected, keeping a constant track of where each PA device is.

When a PA is activated it sends both infra red and radio alarm signals. The infra red alarm signals are received by the Location unit, which relays the location to the system raising the alarm. Simultaneously the PA's radio alarm signals are transmitted directly to the system providing a level of redundancy.



## ALARM MODE



The system utilises both its data log and the information provided by the location unit in alarm, and alerts the response team with the PA identity and location.

Displays can be zoned to provide alarm information to given areas and have a separate and distinct day and night programming mode.



For a faster response, incident messages can be relayed direct to responders by interfacing Pagers or DECT handsets into the system.

Incorporating a relay expansion card can provide an interface to CCTV systems for camera or video activation. Once an incident occurs the corresponding camera is activated.



Management reports can be easily viewed, exported or printed using the call logging software to keep a permanent record of all events on the system.

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**Location & Fixed Alarm Points:** contain infra red sensors for receipt of infra red alarm signals generated by a Staff Personal Alarm unit and radio transmitters to communicate information to the system.

- Ceiling Location Unit: designed to look like a low profile smoke detector, provides 360° cover.
- Help Call Unit: splash proof membrane, Assistance, Emergency & Reset buttons.
- Affray Unit: with a large red mushroom panic button and keyswitch reset.
- Emergency Call Unit: with a red Pull to Activate/Push to Reset switch.  
(does not contain infra red sensor)



**Staff Personal Alarm Units:** are available in different forms (*IR Fob, Pendant, BeltClip*) having two levels of alarm (*Assistance & Attack*). The Pendant & BeltClip units come in different versions (Dual Tech, Radio only or Infra Red only) to suit individual requirements.



The Emergency Snatch Cord on the BeltClip unit and the Neck Cord Toggle on the Pendant, provide a quick way to summon help.

An optional Man Down Alarm provides reassurance for Loner Workers.

## Technical Specification:

••• System Size	<ul style="list-style-type: none"> <li>• max 64 control panels</li> <li>• max 3,000 devices (<i>factory set unique identity</i>)</li> </ul>
••• Outputs	<ul style="list-style-type: none"> <li>• 2 programmable monitored outputs</li> <li>• 2 programmable auxiliary relays</li> <li>• RS232 port for Call Messaging to Pagers/DECT handsets</li> <li>• RS232 port for Call Logging (<i>connection to PC/Printer</i>)</li> <li>• RS232 port for programming</li> </ul>
••• Inputs	<ul style="list-style-type: none"> <li>• 2 programmable hardwired alarm inputs</li> </ul>
••• Display	<ul style="list-style-type: none"> <li>• Backlit LCD display with 2 lines of 20 characters, giving plain English text messages of call information and fault messages</li> </ul>
••• Call Types	Assistance   Emergency   Man Down   Reset   Low Battery   Fault
••• Call Logging	<ul style="list-style-type: none"> <li>• Panel has 2 x 500 event rolling memory (<i>can be exported to printer or PC</i>)</li> <li>• Call Logging Software available for continuous recording of all calls/events with management reporting functions</li> </ul>
••• Zoning	<ul style="list-style-type: none"> <li>• Multiple zones can be set for: displays   call levels   floors   areas   pagers</li> </ul>
••• Power	<ul style="list-style-type: none"> <li>• ERP: 10mW integral aerial (<i>licence exempt</i>)</li> <li>• Mains: 240v 50Hz 75VA maximum or equivalent</li> <li>• Battery: 12v internal re-chargeable giving up to 24 hours standby</li> <li>• Location Units/Call Points: 3.6v lithium batteries (<i>3-4 years</i>)</li> </ul>
••• Frequency	<ul style="list-style-type: none"> <li>• 173.225 MHz</li> </ul>
••• Standards	<ul style="list-style-type: none"> <li>• EN 301 489   EN 300 220   RoHS   WEEE</li> </ul>