

arm

wire free solutions

The ARM Personal Security 2000 takes staff portable alarm and location systems into the 21st century, combining both the unique location and identification capability of infra-red alarms and the integrity and security of a fully supervised radio system.

The system consists of a number of fully monitored dual technology ceiling or wall mounted units designed to look like low profile fire alarm smoke detectors. These units contain both infra-red receivers for localised receipt of signals and a radio transmitter to communicate information back to the system over distance. All the system units are uniquely identifiable, supervised and fully text addressable.

The protected individuals have a small lightweight alarm activation unit which is available in a number of forms; this unique, fully traceable and supervised unit emits its identity to the ceiling or wall units every five seconds and in turn the information is passed back to the system.

The system retains the location information of each of the registered users until a new location is detected for that user. When a portable alarm is activated the system utilises both the memory location and the information provided by the ceiling unit in

alarm. In this way the system is constantly updated with information about a person's identity and current location.

The full text display can be zoned to provide alarm information to given areas and have a separate and distinct Day and Night mode. Each call is scrolled on the display with the higher status calls taking priority.



The displays can be enhanced or replaced by utilising a fully integrated DECT telephony system or radio paging system.

Through more detailed programming both the telephony and paging options can be zoned to provide specific calls or locations for individuals or groups. This ensures those who need to respond may do so quickly and effectively.

The display and telephony options can also be enhanced by the addition of a time and date stamped printer or computer interface for permanent recording.

A relay expansion card can also be added to provide an interface to CCTV systems for camera or video activation.



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Personal Security 2000



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1. Personal Security Location Units & Staff Portable Units
2. Help Call Unit
3. Infra Red Key Fob
4. Affray Unit - keyswitch reset
5. Flush mounted Location Unit
6. Ceiling mounted Location Unit
7. External Location Unit

Location Units, Static Alarm Points & Portable Alarm Units

Fully monitored with auto reporting of faults to the control panel with a warning of low battery condition to give 30 days normal use before failure occurs.

Technical Specification:

- Fully supervised monitoring, with auto reporting of faults to control panel, conforming to EN50131 & PD6662
- Factory set unit identity conforming to EN50131 & PD6662
- System Frequencies 173.225MHz, 868.300MHz and 953MHz
- Effective radiated power: 10mW integral aerial, approved to ETSI EN 300 220-1 & EN 300 220-2 (licence exempt)

Control Panel:

System Size: Up to 64 control panels and 3,000 sensors per system
 Outputs: RS232 port for paging system. Selectable DECT or paging protocols
 RS232 port for system printer
 RS232 port for computer interface
 2 programmable fully monitored outputs
 2 programmable auxiliary relays
 Inputs: 2 programmable hardwired alarm inputs
 Display: Backlit LCD display with 2 lines of 20 characters, giving plain English text messages
 Event Log Storage: 2 x 500 events maximum
 Supply: Mains: 240V 50Hz 75VA maximum or equivalents
 Battery: 12V internal re-chargeable giving up to 24 hours standby

Personal Security 2000

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In pursuance of a policy of continued improvement, the company reserves the right to change the design and specification without prior notice

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