



# Wireless Nurse Call, Staff Alarm & Emergency Call Systems



# Nurse Call Systems



Constantly safeguarding teams & their customers in the most demanding environments

Alarm Radio Monitoring is the market-leading designer, manufacturer and installer of end-to-end, wireless nurse call and staff alarm systems.

Premier healthcare providers choose arm because:

- arm controls the manufacturing and specification process behind its products – right down to making our own batteries. lives depend on them.
- bespoke features can be incorporated into our systems without compromising quality
- super-service – telephone and online support without mandatory contracts.
- arm harnesses advanced technology.

Our wireless solutions include:

- nurse call for care homes
- nurse call for hospitals
- staff alarm / lone working
- staff call for sen school & respite units
- emergency alarm for leisure centres, hotels

- Quick & Simple to install
- Flexibility
- Full Audit Trail



# Nurse Call

arm nurse call system has been developed with both residents and staff in mind. It enables staff to efficiently answer calls, making the management of resources more flexible and provides the functionality you would expect of any nurse call system.

Providing up to seven levels of call with descriptive text displays the system is fully supervised. The regular transmissions between the individual call points and the system ensure continuous monitoring of the system's functionality.

The nurse call system is quick and easy to install with radio communication between both the call points and the system infrastructure. Unique factory set device identities allow for modular design and installation. System programming can be achieved using a computer keyboard and the on-screen menus.

Assistive technology devices can easily be linked to the arm nurse call system; such as epilepsy, enuresis or movement sensors. These devices provide automatic monitoring and activation of the nurse call system, offering reassurance to both users and staff.

Once a device is operated, the comfort LED on the unit will flash and a tone is generated to inform the user that their call has been sent to the system and staff have been alerted.

Display units will show the level and location of all calls on the system, along with a different audible tone for different levels of call.

Call messages can be sent direct to staff via DECT telephone handsets or pagers to speed up response times.

Through more detailed programming both the DECT handsets and pagers can be zoned. Providing specific call types or locations to individuals or groups ensures those who need to know, receive information quickly & clearly.



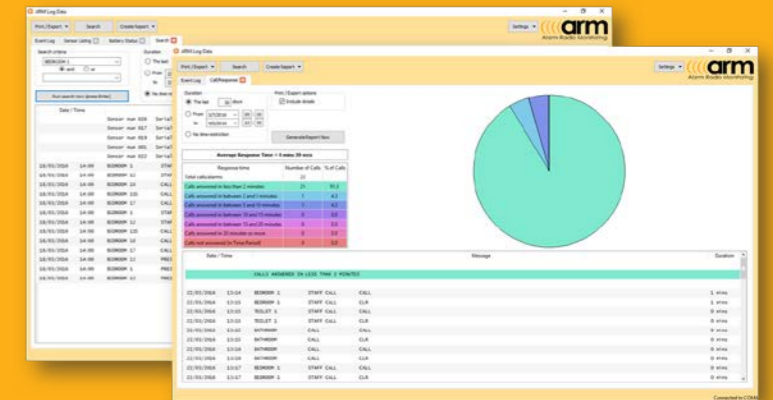
Displays provide information detailing the identity of the call and its level. These displays can be zoned to provide information to given areas and have a separate and distinct day/night mode for user and client comfort. Calls are scrolled on the displays with higher status calls taking priority.

If a call remains unanswered for a pre-determined time, the system will escalate it to alert staff that assistance is still required.

Computer software is available for a graphical display monitor showing calls in priority order with active timer. Call logging options are also available, either using a printer or software to keep a permanent record of all activity, to provide a full audit trail.

Night time observation rounds can be monitored and management reports can be viewed, exported and printed using the call logging software.

- quick to install
- easy to use
- flexible



# Nurse Call

## Call Points

Call points: have anti-microbial additives embedded within the plastic to provide extra protection against the spread of infection.

Pear push call leads are IP67 rated to enable dip sterilisation.

Call points come as standard with a large staff-to-staff assistance button, emergency button, reset button and infra red sensor.

Other versions of the call point also include:

- A pear push lead and monitored input socket
- An integral pull cord
- An air pressure bulb
- Door/door bell monitor with staff override key-switch

**Infra -red:** nurse call points have a built in infra red sensor to allow remote activation via an infra red trigger device which can be carried by residents or staff. These small lightweight devices are available in different forms. (IR fobs, IR wrist button, Pendant, Belt-Clip)

*Pendants and Belt-Clips are also available with combined infra red and radio alarms to provide a level of redundancy.*



## Technical Specification

Size:	max 64 control panels max 3,000 devices (factory set unique identity)
Outputs:	2 programmable monitored outputs 2 programmable auxiliary relays RS232 port for Call Messaging to Pagers/DECT handsets RS232 port for Call Logging (connection to PC/Printer) RS232 port for programming
Inputs:	2 programmable hardwired alarm inputs
Display:	Backlit LCD display with 2 lines of 20 characters
Call Types:	Resident Call   Staff Call   Emergency   Reset   Presence   Lead Removed   Low Battery   Fault   Door Open   Door Bell
Call Logging:	Call Logging Software available for continuous recording of all calls/events with management reporting functions Panel has 2 x 500 event rolling memory
Zoning:	Zones can be set for: Displays   Call Levels   Floors   Areas   Pagers
Power:	ERP: 10mW integral aerial (licence exempt) Mains: 240v 50Hz 75VA maximum or equivalent Battery backup: up to 24 hours standby Call Points: 3.6v lithium battery (3-4 years)
Frequency:	173.225 MHz
Standards:	EN 301 489   EN 300 220   RoHS   WEEE

# Hospital Nurse Call Systems

- HTM Nurse Call
- Infection Control
- All-In-One Back Plates
- Radio Overdoor Lights



# HTM Nurse Call

arm wireless HTM Nurse Call system has been designed to meet HTM 08-03 standards required by the Department of Health. Traditionally the failure of an old hardwired nurse call system has meant lengthy delays and expensive closures of wards while replacement cables are run. With a wireless HTM nurse call system from arm, a new or replacement system can easily be installed with minimum disruption and cost.

**Call Points:** are available in different forms:

- Patient call point with patient handset and red emergency pull switch for beds.
- Patient handset has a call reassurance LED and backlight to enable location in the dark.
- Optional patient handset with bedside light switch and facility to power call point from light source.
- Patient call point with integral pull cord and red emergency pull switch for toilets.
- Optional ceiling pull cord for toilets.
- Patient call point with red emergency pull switch for dayrooms, treatment rooms etc.
- Call point with blue cardiac pull switch for use in intensive care departments.
- Optional staff presence facility on call points.

**Infection control:** to help with the fight against the spread of infection:

- Call points have an anti-microbial additive embedded within the plastic.
- Patient handsets are IP67 rated to enable dip sterilisation.
- Anti-microbial pull cords.

**Visual & audible signals:**

- Wireless indicator lights are easily installed above beds or outside rooms/wards.
- Patient handsets and call points incorporate a LED for patient reassurance.
- Follow-me-lights are installed in corridors to quickly guide staff to the origin of calls.
- Sounders are installed in corridors, ward office, utility rooms.

**Flexible, quick and easy to install:**

- Wireless systems offer unlimited flexibility and more cost effective alternative to wired systems.
- Installation is quick with minimal dust & disruption to the ward.
- Wireless call points are fully supervised and monitored by the control panel.
- Call point low battery monitoring via control panel.
- Call logging software for full audit trail.



**All-in-one back plates** make old hardwired systems even easier to replace. The plates are made to measure to match existing old hard wired plates and can include the following options:

- bedside light switch and power socket
- operate bedside light switch from patient handset
- power call point from lighting source with its battery as a backup.

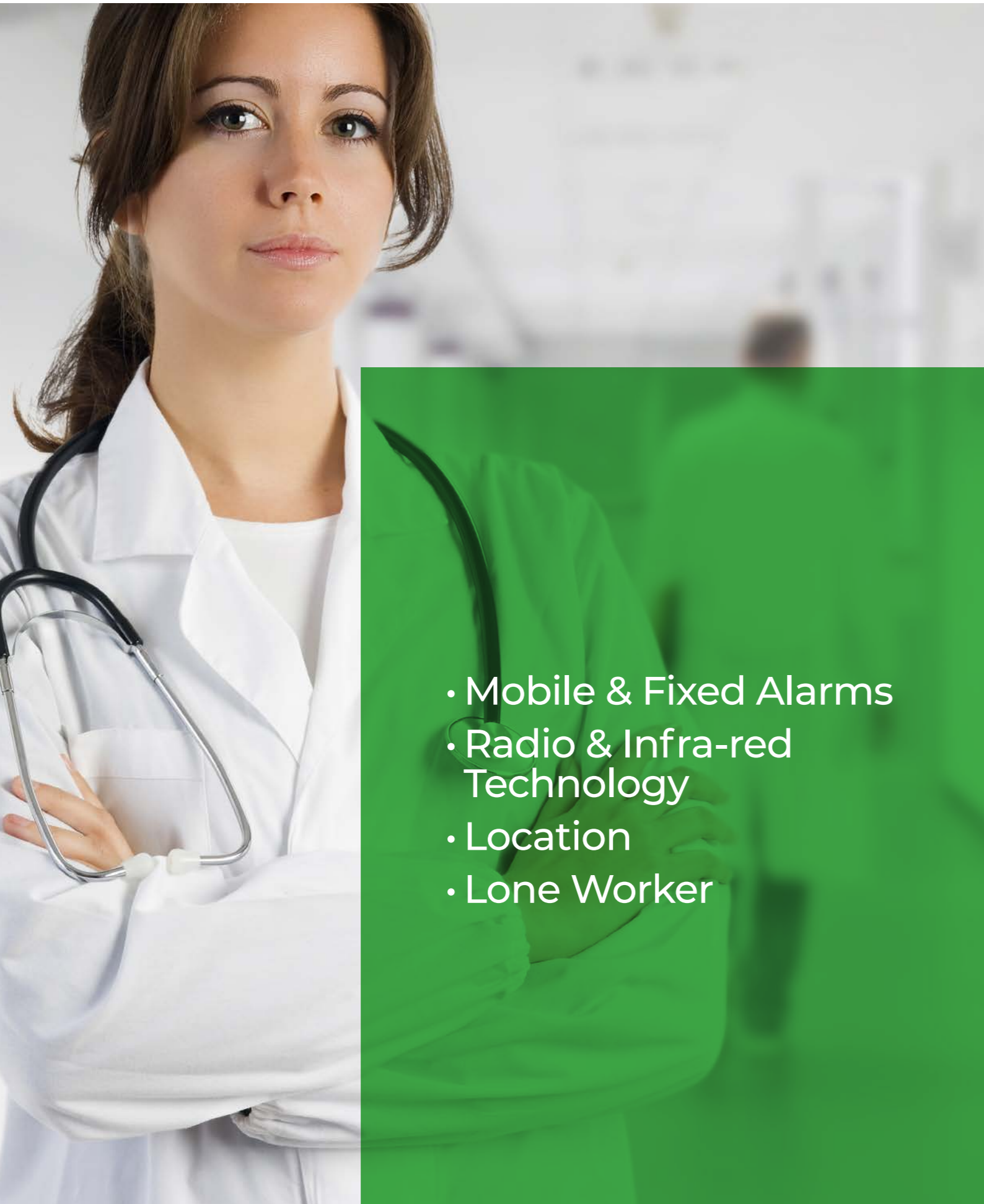
Call points can also be mounted on existing trunking with the bedside light relay fitted behind.

**Call points have an infra red sensor** on the front which can be activated by personal alarm units; therefore extending the capability of the system to include a staff alarm system for nurses and doctors in A&E departments. Infra red ceiling location units can be fitted within corridors/waiting areas to provide added coverage for the staff alarm system. Rechargeable personal alarm units have two levels of alarm (Assistance & Attack) and an emergency rip cord/toggle. An optional automatic man down alarm provides reassurance for Lone Workers.



## Technical Specification

Size:	max 64 control panels max 3,000 devices (factory set unique identity)
Outputs:	2 programmable monitored outputs 2 programmable auxiliary relays RS232 port for Call Messaging to Pagers/DECT handsets RS232 port for Call Logging (connection to PC/Printer) RS232 port for programming
Inputs:	2 programmable hardwired alarm inputs
Display:	Backlit LCD display with 2 lines of 20 characters
Patient Handset:	Reassurance LED   backlight   IP67 rated   optional bedside light facility
Call Types:	Patient Call   Emergency   Cardiac   Reset   Presence   Lead Removed   Low Battery   Fault
Call Logging:	Call Logging Software with management reporting Panel has 2 x 500 event rolling memory
Zoning:	Zones can be set for: Displays   Call Levels   Floors   Areas   Pagers
Power:	ERP: 10mW integral aerial (licence exempt) Mains: 240v 50Hz 75VA maximum or equivalent Battery backup: up to 24 hours standby Call Points: 3.6v lithium battery (3-4 years)
Frequency:	173.225 MHz
Standards:	EN 301 489   EN 300 220   RoHS   WEEE



# Staff Alarm System

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- Mobile & Fixed Alarms
- Radio & Infra-red Technology
- Location
- Lone Worker



# Staff Alarm



arm Staff Alarm system is a dual-technology based portable alarm system which combines both the unique location and 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.

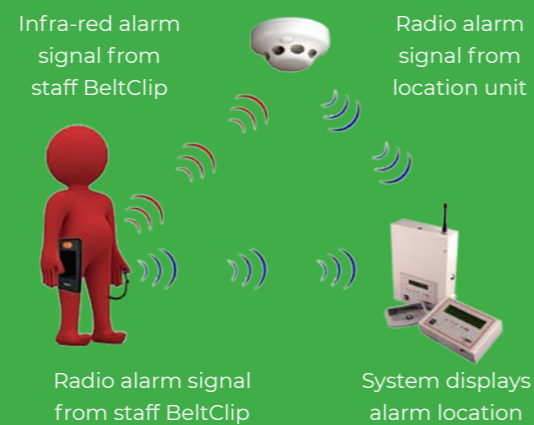
Personal alarm (PA) devices are rechargeable and feature 2 levels of alarm (assistance & attack). They feature automatic alarms by way of an emergency rip cord (beltclip version) or an emergency neck toggle (pendant version). An optional man down automatic alarm provides reassurance for lone workers.

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.

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.



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 rechargeable and available in different forms (IR Fob, Pendant, BeltClip) having two levels of alarm (Assistance & Attack). The BeltClip unit is dual-tech (radio & infra-red). The Pendant is available in different versions (dual-tech, radio only or infra-red only).

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

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Inputs:	2 programmable hardwired alarm inputs
Display:	Backlit LCD display with 2 lines of 20 characters
Call Types:	Assistance   Emergency/Attack   Man Down   Reset   Low Battery   Fault
Call Logging:	Call Logging Software with management reporting Panel has 2 x 500 event rolling memory
Zoning:	Zones can be set for: Displays   Call Levels   Floors   Areas   Pagers
Power:	ERP: 10mW integral aerial (licence exempt) Mains: 240v 50Hz 75VA maximum or equivalent Battery backup: up to 24 hours standby Location Units/Fixed Alarm Points: 3.6v lithium battery (3-4 years) BeltClips/Pendants/Infra-red Fobs: rechargeable
Frequency:	173.225 MHz
Standards:	EN 301 489   EN 300 220   RoHS   WEEE



# Staff Call



## Staff Call systems for SEN schools and respite centres

If you work in special needs or a respite unit, you already know the importance of keeping your team and pupils safe. Increasingly schools, colleges and universities want their teams to feel secure at all times. arm Staff Call system works by using ceiling and wall-mounted sensors which are located around your building or campus. These units use infra-red signals to locate your team member about your premises through a personal alarm they wear. Personal alarms are available in many formats ranging from a small fob to a discreet belt-clip unit.

The team's various locations are communicated back to the system using radio signals. In this way, arm Staff Call is a wireless system making it quick to install and flexible to future change.

Should a team member need assistance, they simply activate the alarm. Both their identity and their location is then displayed on the system displays for appropriate response.

Messages can be relayed to pagers, DECT handsets for a more rapid response or activate an autodialler for off-site assistance, if required.

Various options are available to suit particular needs such as a 'man-down' facility on staff personal alarm units or additional call points for respite units; whereby assistive technology sensors can be connected (e.g. epilepsy monitors, pillow switches, head tilt switches).



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Inputs:	2 programmable hardwired alarm inputs
Display:	Backlit LCD display with 2 lines of 20 characters
Call Types:	Assistance   Emergency   Reset   Low Battery   Fault
Call Logging:	Call Logging Software with management reporting Panel has 2 x 500 event rolling memory
Zoning:	Zones can be set for: Displays   Call Levels   Areas   Pagers
Power:	ERP: 10mW integral aerial (licence exempt) Mains: 240v 50Hz 75VA maximum or equivalent Battery backup: up to 24 hours standby Call Points: 3.6v lithium battery (3-4 years)
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# Emergency Alarms



## Call systems for hotels, leisure centres & swimming pools

arm Leisure Alarm system is a wireless alarm system ideal for use around swimming pools for life guards to signal for assistance should anyone get into trouble in the water.

The wireless Help Call Units feature two levels of alarm (emergency & assistance) and are fully addressable to ensure assistance is directed to the relevant location.

Provide a complete wireless call system, by locating units in other areas of the building such as : gym | sauna/steam room | sports hall | studios | toilets | changing rooms

Other types of call points are available to meet different requirements (e.g. pull cords for toilets or hotel bedrooms).

- Calls levels or areas can all be zoned, to ensure the right staff respond.
- Installation is quick and easy, with minimum disruption to the building due to the wireless call points.
- Sounder beacons can be located around the building to provide visual & audible notification to staff of an incident.
- For rapid response calls can be sent to staff pagers.



- Leisure Centres
- Swimming Pools
- Gyms
- Hotels

## Technical Specification

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Outputs:	2 programmable monitored outputs 2 programmable auxiliary relays RS232 port for Call Messaging to Pagers/DECT handsets RS232 port for Call Logging (connection to PC/Printer) RS232 port for programming
Inputs:	2 programmable hardwired alarm inputs
Display:	Backlit LCD display with 2 lines of 20 characters
Call Types:	Assistance   Emergency   Reset   Low Battery   Fault
Call Points:	Help Call Units (IP65)
Call Logging:	Call Logging Software with management reporting Panel has 2 x 500 event rolling memory
Zoning:	Zones can be set for: Displays   Call Levels   Areas   Pagers
Power:	ERP: 10mW integral aerial (licence exempt) Mains: 240v 50Hz 75VA maximum or equivalent Battery backup: up to 24 hours standby Call Points: 3.6v lithium battery (3-4 years)
Frequency:	173.225 MHz
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# Call Logging & Accessories

- Management Reports
- Assistive Technology
- Consumables

Information is recorded in the form of:

- **Call point activation:**  
Date & time | Location name | Call level | Staff ID | Response time
- **Staff presence:**  
Date & time | Location name | Presence | Staff ID

Maintenance reports:

- **Battery log:** displays current battery levels of devices on the system.
- **Maintenance summary:** displays any faults recorded on the system during search period.
- **Sensor listings:** displays name, sensor number & serial number of all devices on the system



## Call logging software provides a full audit trail of events.

With the arm call logging software you can keep a record of everything that occurs on the system.

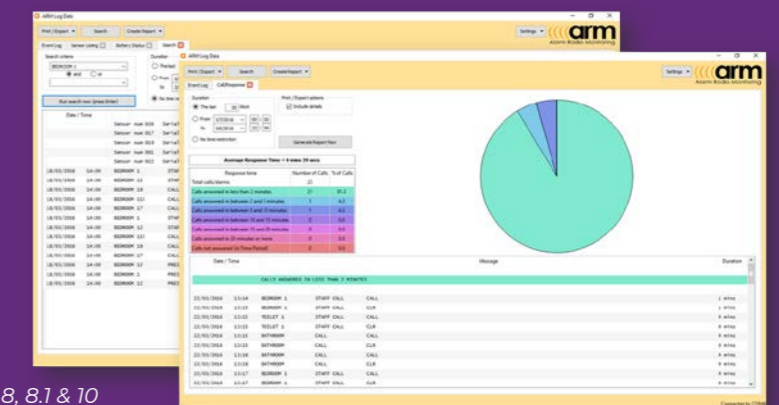
Easy search functions allow you to search for a specific event/sensor/time/date using simple tick boxes, drop down menus and calendar.

Management reports can be created such as and Call Response, Call Summary, Attendance (for night time rounds).

Maintenance: useful maintenance reports can be printed such as Battery logs, Sensor Listings or Outstanding Faults.

### Features:

- continuous recording of events
- full audit trail
- management reports
- easy search functionality
- print/save/export searches



System requirements: windows XP, Vista, 7, 8, 8.1 & 10 (serial port or USB-serial adapter required)

# Accessories

There are many accessories or replacement parts available to add onto your arm system as your needs change.

- Assistive technology devices to enhance your system.
- Paging/DECT systems to provide calls quickly and directly to staff to enable them to provide the highest level of care possible.
- Management reporting & call logging to keep a record of all activities.

## Call Buttons, Pull Cords, Air Switches:

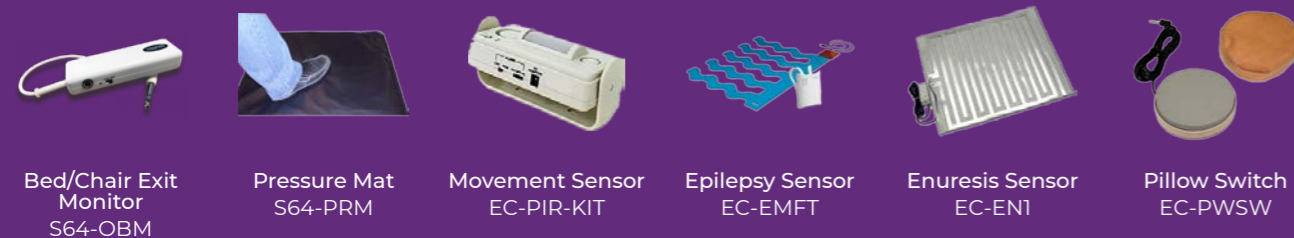
arm offer a variety of ways to ensure everyone can call for assistance comfortably and safely.



Pear Push Lead S64-PPL    Big Red Button S64-JBS    IR Ceiling Pull S64-CPC/IR    Anti-ligature Cord S64-ALPC    Air Bulb Lead S64-ABL    Air Disc Pad S64-FADL

## Sensors & Monitors:

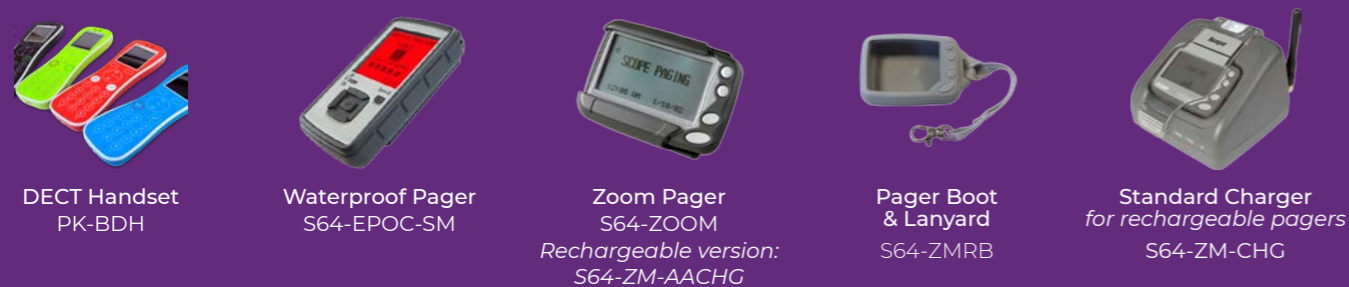
To enhance your arm system assistive technology sensors and monitors can be plugged into the socket of the call point, which will provide automated monitoring & alerting via the call system.



Bed/Chair Exit Monitor S64-OBM    Pressure Mat S64-PRM    Movement Sensor EC-PIR-KIT    Epilepsy Sensor EC-EMFT    Enuresis Sensor EC-ENI    Pillow Switch EC-PWSW

## Pagers & DECT Phones:

Make the most out of your system by adding pagers or DECT phones for members of staff on the move. Handle calls promptly with call messaging direct to staff. (Paging transmitter required for pagers and DECT system infrastructure required for DECT phones.)



DECT Handset PK-BDH    Waterproof Pager S64-EPOC-SM    Zoom Pager S64-ZOOM    Pager Boot & Lanyard S64-ZMRB    Standard Charger for rechargeable pagers S64-ZM-CHG

Rechargeable version: S64-ZM-AACHG

For further information please visit [www.arm.uk.com](http://www.arm.uk.com) or contact us on 01568 610 016.

## Call Logging:

Keep a record of all of the activity which occurs on your ARM system, including calls, response times, staff observation rounds & low batteries.

All events are time and date stamped for future reference either using a printer or software. The software is fully searchable and allows management reports to be viewed easily and printed/exported if required.



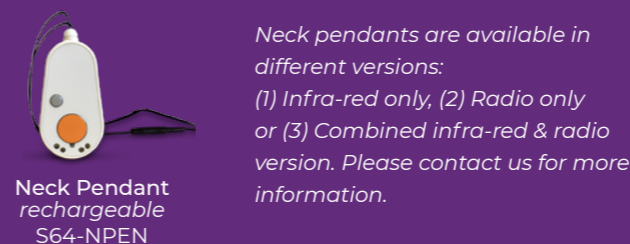
Call Logging Software S64-SWI    Printer PRN-T    Printer Paper PAP-T

## Personal Alarms:

Infra-red or radio personal alarm units can be incorporated into the system for remote signalling. These portable alarm units are available in various styles:



IR Fob rechargeable S64-IRFR-36 (resident) S64-IRFS-36 (staff)    IR Wrist Button S64-IRWR-36    BeltClip rechargeable S64-SBC



Neck Pendant rechargeable S64-NPEN

Neck pendants are available in different versions: (1) Infra-red only, (2) Radio only or (3) Combined infra-red & radio version. Please contact us for more information.

## Consumables:



AAA Pager batteries (x40) BAT-AAA    2 x AA Batteries on PCB BAT-AABB    AA Battery on PCB BAT-AANC    AA Battery BAT-AANL



AA Battery with Lead BAT-AAL    Panel/Door Monitor Keys (901) NC2-CPK2    Display Keys (007) NC2-RDK2



Angled Double Adaptor S64-ADT-L    Linen Clip S64-PPLC    Pull Cord Triangles S64-TRI



Wall Holster for Pear Push Lead S64-PPH    Wall Bracket S64-WB    Anti-Ligature Shroud S64-ALS



Radio Light S64-RODL    Pendant/IR Fob Charger S64-CHG    Pendant/IR Fob 5-way Charger S64-CHG-5



Room Sounder S64-EXT-SND    BeltClip Charger S64-SBC-CHG    BeltClip 5-way Charger S64-SBC-CHG-5



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