BlueLine Nurse-Call Systems

Including
IP Hard-wired

Long Range ISM Wireless
&
Personal Emergency Response Systems
(PERS Systems)

Designed for
Residential Aged Care Facilities
Retirement Villages
Hospitals

Winner of Global Awards 2011 Most Outstanding Over 50s PERS ILU Supplier
Winner of Global Awards 2013 Most Outstanding Over 50s PERS ILU Supplier
Winner of Australasian 2013 Over 50s PERS ILU Housing Awards
Welcome Message

We welcome you to this condensed catalogue describing the Australian designed and manufactured BlueLine series of Nurse Call Systems. It includes both the TPC/IP Hardwired and ISM (Industrial, Scientific & Medical) Wireless Systems. It also includes our Blue-Phone and Dialler PERS (Personal Emergency Response Systems).

Each of these technologies is capable of sharing a single head-end platform providing a total Ageing-in-Place Aged Care and Occupational Health and Safety (OH&S) solution.

With 36 years experience we have an enviable track record which in recent years has set the precedent of delivering complete Plug-and-Play systems throughout Australia and Overseas.

Irrespective of system size, complexity or combination of technologies we deliver complete turn-key systems requiring nothing more than the connection of the call-points and similar devices into the nearest Node. All Nodes (including wireless Nodes) can then connect to the nurse-call LAN for two-way communication with the Head-End Server.

This means that the on-site installation is nothing more than fitting RJ45 connectors to each end of the cables between rooms and their parent Node or to pair wireless devices for supervised communication to their wireless Nodes. It all fits together seamlessly.

You are invited to fill in one of our template questionnaires which not only allows you to consider various options but will also allow us to provide you with an accurate estimate of your intended investment.

We thank our existing customers for their ongoing support. We also look forward to introducing this comprehensive range of systems and products to those Aged-Care and Health-Care Professionals not previously familiar with the wide ranging and highly successful Smart-Caller leading edge and reliable nurse-call solutions.

Paul Long
Managing Director
BlueLine-IP Hard-Wired 64 & 128 Input Nodes

Designed and manufactured in Australia and offering full compliance with nurse call Standard AS3811 the 128 and/or 64 input TPC/IP Nodes are preferably delivered to site as ‘ready for action’ Plug-and-Play system components within suitably sized standard 19” rack mounting cabinets. Simply connect as many Nodes as required to the Head End via the 8-way LAN switch included within each Cabinet. Call-points and other inputs connect to the Node’s patch panels via standard quick release RJ45 connectors.

The Nodes typically use 9RU height cabinets for convenience of location throughout the site. However, the preferred cabling infrastructure may otherwise determine that the total system is to be located within a shared rack mounting cabinet within the site’s communications room.

Where a shared-service common rack mounting technique is required this is possible, subject to using good engineering practice of providing some visible separation between the mission critical nurse-call equipment and other services that may be sharing the communications rack mounting cubicle.

Each RJ45 input connection accommodates two totally independent, isolated and current protected nurse-call inputs. These inputs may also include comparatively simple forms of connection such as normally open [N/O] or normally closed [N/C] contact closures as variously applicable to call-points and door reed switches and refrigeration or similar relay contact closures.

Each call-point’s power source from the Node’s RJ45 connection is current limited to protect the Node against short circuits, power spikes or other hostile circumstances that may occur throughout the cabling and connected device infrastructure.

Each Node input connection also monitors the periodic ‘Heartbeat’ pulses from each of it’s two connected call-points or other suitably connected devices.

Input connections to the Node also provide the necessary IP identification addresses thereby allowing ‘hot-swap’ connection of replacement or additional devices without the need for local or remote technical assistance.

A typical 128 input TPC/IP Node shown
with and without its glass cabinet door removed

Pt No: N-BLUELINE-126-NODE & N-BLUELINE-64-NODE
In order to ensure highest possible levels of ‘Infection Control’ all Smart-Caller call-points include back-lit anti fungal/anti bacterial soft-touch buttons and include a call-point ‘cleaning time-out’ facility. They also include momentary audible button press alerts and Braille markings to assist those Residents/Patients suffering sight impairment.

The range includes Master and Slave call-points both hard-wired or ISM 900Mhz wireless versions and are backward compatible to pre-existing hard-wired ‘Legacy systems’.

Master call-points also include an onboard wireless receiver. This allows wireless activation of a call-point from a personal pendant or perhaps a cordless bedside accessory such as a cordless bed exit sensor.

For communal locations the call-point’s wireless receiver can be configured to activate from any wireless pendant of a nearby Resident thereby identifying the precise location of a Resident seeking assistance. Residents do not have to get out of their wheelchair to find a call-point.

To ensure continuous and reliable system operation both wired and wireless master call points are ‘Heartbeat’ monitored. This also protects the integrity of the overall site cabling, power supplies and RJ45 quick release connections.

All call points, Master or Slave, have the ability to generate a ‘Staff Assist’ call simply by pressing the Call and Cancel buttons simultaneously. Providing multitasking functions within each Master or Slave call-point is also conducive to maintaining a ‘homelike environment’ in accordance with the requirements of the Aged Care ACT. However, as shown above ‘Assist’, ‘Nurse Presence’ and ‘Emergency’ call-points are also available as are typically required for Hospital applications.

Dipswitch settings within the call-points will accommodate a wide variety of operating configurations for both the master and any connected slave call points or accessory items. Each Master Call-Point accommodates two separate and independent nurse call circuits to its parent Node and thence to the head-end database.

Various levels of call-point waterproofing is available including fully encapsulated resin sealed or the use of silicon gaskets for splash proof requirements.

A wide range of hard-wired or wireless sensors and sub systems can easily be deployed to ensure that the Resident can enjoy a safe and comfortable living environment.
ISM WIRELESS NURSE CALL SYSTEM
(Industrial + Scientific + Medical)
900Mhz or 866Mhz Versions

Designed and manufactured in Australia the BlueLine Long Range ISM wireless communication system utilises the most recent and advanced RF technology resulting in an extremely reliable and cost effective nurse call or emergency alerting system. As such it avoids the traditional limitations of previous wireless based systems relating to range, battery life and potential interference whilst now allowing new facilities and benefits not previously considered possible.

The system has been designed to suit Aged and Healthcare applications plus wide ranging, Duress, OH&S and building construction applications of any size. It is capable of reliable supervised ‘both-way’ communication for distances in excess of 2Km. It is therefore ideally suited to large Greenfield or existing sites where running cables within or between buildings would prove costly, inappropriate, impractical or perhaps subject to ‘Heritage’ restrictions.

Resident’s call-points are identical in appearance and functional operation to those described on the previous page as used within the alternative BlueLine-IP hard-wired system. This allows for seamlessly combined technologies within a single system to enhance system flexibility and to reduce installation costs.

As with the hard-wired call-points these wireless versions also have the same high level of infection control and cleaning procedures. The standard Resident call-point buttons are similarly capable of generating Alarm, Cancel and Staff Assist calls and also deliver periodic ‘Heartbeat’ pulses in order to monitor continuity of operation and system connection.

An additional and unique benefit of these wireless call-points results from their ability to carry out multitasking functions via their multichannel (individual code) input capability. This means that it is possible to dispatch a wide range of separately identifiable call events to the head-end for logging and processing. These ‘ancillary function’ inputs may be hard-wired to the call-point and/or delivered via a range of fixed or portable wireless trigger accessories.

Of particular value in the call-point’s multitasking capabilities is its ability for the site’s call-point infrastructure to collectively function as a pin-point ‘hands-free’ Staff Duress facility. The staff member at risk simply presses their miniature wireless pendant or tag and the system will immediately identify the nearest call-point to that Duress location.

BlueLine wireless call-points are Long Range supervised Transceivers which enjoy the benefits of instantaneous both-way supervised communication. This means that all calls originating from a call-point or other wireless device is acknowledged via an automatic response call-back from one or more of the site’s parent wireless Nodes. They in turn deliver the call traffic to the Head-End Wireless Input Controller which also acknowledges the receipt of the call.

This call-forwarding process may be via a nurse-call cabled LAN, an RS485 network or a short haul RS232 connection and/or typically repeated via a long range 900Mhz wireless transmission that can exceed 2km range. It is important to note that a call is not considered to have been successfully delivered until the parent receiving device sends back an acknowledgment response to the source of the call. This in turn also triggers the originating call-point’s reassurance flashing LED indicator and over-door (corridor) light, if fitted.

BlueLine wireless call-points feature Long Life Batteries. Call-points may be externally powered or may rely on their high capacity long life battery. Due to the technique of the call-points operating in a ‘sleep mode’ the resultant battery life can be expected to exceed 8 years. They will however deliver regular low battery reports once the 80% battery capacity threshold level is reached.
Frequency Hopping is yet another feature of the ISM BlueLine system. Communication difficulties are avoided by the system automatically enabling frequency-hopping techniques in the event of detecting interference. Such deployment of modern wireless communication, back-up and ‘watchdog’ techniques ensures optimum system reliability.

Head-End Server and Winwatch Monitoring Program. The BlueLine-ISM Wireless system uses the same head-end equipment and Winwatch software program as previously described for the BlueLine-IP system on pages 6 and 7.

BlueLine-Wireless systems suit large, small or sub-system applications. The multitasking cable-less applications of these supervised wireless call-points in association with their parent long range Nodes opens many application possibilities not previously considered possible.

Disregarding the wide ranging applications beyond Aged and Healthcare the BlueLine-Wireless system is ideally suited to high and low care residential and hospital nurse-call application plus Retirement Villages where it can accommodate varying ILU needs ranging from ‘Basic’ to ‘smart-house’ functionality. In the other extreme it also suits the OH&S requirements for a small Medical Centre application.

Typical of the available sub-systems the transportable wireless ‘Minder’ system provides comprehensive monitoring of high care and dementia specific rooms or Wards without the need to incur the cost of additional infrastructure cabling.

Summary of Features and Benefits
- Specifically designed for Aged & Healthcare,
- Suits Pin-Point Duress and OH&S requirements,
- Long Range exceeding 2Km Node point to point,
- Negligible installation costs - no wiring involved,
- Latest Transceiver ‘both-way’ ISM Technology,
- Frequency Hopping Nodes to avoid interference,
- Isolated from Wi-Fi, DECT & other wireless Services,
- Long Life Battery Operation (8-10 years) or
- Operates from external low voltage supply,
- Back-lit ‘Call’ button (if externally powered),
- Fully Supervised (Heartbeat monitoring),
- Computer based and Computerless options,
- Call-point buttons also provide ‘Staff Assist’
- Call-points have Wireless Trigger activation,
- Call-points have Hard-wired input activation,
- Accepts cord Pendant + ‘disconnect Alarm’
- Over-Door (Corridor) Lights available,
- Portable Dementia Room monitoring options,
- Wide range of smart Wireless Accessories,
- Wrist Strap and Necklace personal transmitters,
- Mobicall compatible for overall Integration,
- Optimum flexibility with no cabling costs,
- Suits existing ‘legacy’ or ‘other’ brand systems,
- Ensures Future-proofing requirements
- Remote Access 24/7 ‘Help Desk’,
- High reliability with 3-Year Warranty,
- 36 years in Wireless & Nurse Call business,

Portable Wireless Pendants
Wrist-strap and necklace Personal Wireless Transmitters allow for both 304Mhz (short haul) and 900Mhz (long haul/site-wide) safety-net requirements for Residents and Staff alike.

These miniature transceivers can include hidden ‘Cancel’ and ‘Staff Assist’ facilities for staff to access when attending to the Resident.

NOTE. The enhanced model pendant with Cancel and Assist facilities will not be available until approximately 3rd Qtr 2016.

Samples of Necklace Pendant & wrist-strap personal wireless transmitters.

Specifications, descriptions and illustrations are subject to change without notice
BlueLine Head-End to suit IP Hardwired + ISM 900/866MHz Wireless + PERS Systems

Each BlueLine-IP hardwired system includes a central control equipment cabinet communicating with one or more TCP/IP and/or Wireless Nodes. To install, all that is necessary is to simply connect each Node cabinet to the Head-End Cabinet via the Nurse Call LAN in order to achieve a true Plug-and-Play outcome.

As indicated above, BlueLine-ISM Long Range Wireless Nodes may also be connected to the LAN and/or alternatively transmit or retransmit directly to the Head-End’s Wireless Input Controller.

Each Head-End central control cabinet will contain certain essential components along with various optional components as may be required for each project.

**Essential Components Include:**
- SMARTCOM Solid State Server
- WINWATCH-01 plus WIN-IP-01 module Nurse Call Software
- 10AMP Power Supply & 30AMP Battery Management & UPS System
- 20AH Supervised sealed Gel battery providing many hours of system back-up.

Illustrating a typical Plug-and-Play Head-end cabinet including the above listed Essential items plus the following choice of optional items:-
- Paging Transmitter
- ISM Wireless Input Controller
- WAC-07 Annunciator Controller
- STARBOX Annunciator Distribution Hub
- Additional software options (they being contained within the SmartCom Server.)

**Range of Typical Optional Head-End Components:**
- MOBICALL - or similar middleware message centre for Wi-Fi & other Interface connections,
- DECT Interface - Optional Winwatch software Module
- 900/866Mhz - ISM Wireless Input Controller if Wireless inputs required
- BMS-01 - High Level Interfaces for Fire Panel & Other Sub or Legacy Systems
- WAC-07 - Annunciator Controller with Hard-wired & Wireless Interface
- STARBOX-01 - Five channel Annunciator Hard-wired Distribution Hub
- PAGING Transmitter - Choice of VHF or UHF Alphanumeric Paging and Antenna
- Additional 10AMP Power Supply for near-by Annunciators etc.

**NEED MORE INFORMATION REGARDING BLUELINE & BLUEPHONE SYSTEMS?**

Contact our Sales Department Ph 61 3 9588 0833 (sales@smartcaller.com.au) to request comprehensive Datasheets and/or System Specifications
SmartCom Solid State System Server

Part No: N-SMARTCOM-05 & N-SMARTCOM-05-3G

The compact SmartCom solid state computer is ideally contained within the Head-End cabinet. It uses the latest fully established and therefore proven professional embedded Windows* Operating System in order to ensure optimum reliable operation.

SmartCom provides a large number of various input/output connections in order to accommodate even the most complex of installations. In this respect it can also optionally include an internally mounted 3G gateway for convenient external both-way SMS communication.

Built for exceptionally reliable operation SmartCom has no moving parts, no high tension circuits and has extremely wide temperature range performance. It also operates from a cabinet installed 12v dc regulated and battery backed power supply.

The SmartCom Server not only accommodates the Nurse Call system software program it is also capable of accommodating wide ranging sub-routines and middleware programs that may be necessary to provide overall system integration.

Accordingly it enjoys formal MTBF Certification of 50,000 hrs. In other words it’s ‘Mean Time Between Failure’ rating is approximately 6 years.

‘WINWATCH’ Nurse Call Software Program

The Winwatch software program provides a ‘single operating platform’ for the overall site monitoring requirements. Accordingly Winwatch fully complies with, and significantly exceeds Australian Standards AS3811 and AS4607.

Monitoring functions include monitoring of Resident/Patient events plus Staff Duress and Building Management services. It also provides comprehensive logging and reporting facilities.

In other words its the perfect software solution for Ageing-in-Place and Smart-House objectives whilst also caring for Staff and having the ability to safeguard ‘tagged’ assets.

Experience Makes Perfect

The Winwatch Nurse Call software program has been gradually developed for over 20 years from its Dos (Comwatch) system beginnings. The program is under continual development to ensure that it is able to accommodate the ever growing ‘wish list’ of Healthcare Professionals along with the dynamic ongoing development of IP and wide ranging Wireless technologies.

The manual and automatic reporting capabilities of Winwatch set totally new boundaries. This is particularly so for the overall and location/shift specific monitoring of staff performance. Likewise it allows the monitoring and maintenance of Resident Care-Plans.

Periodic and automatically despatched email deliveries of preconfigured reports also allows Head-Office specialists to manage and compare relative performance, not only of various Wings or Wards within a site but also provide detailed performance comparisons from each of multiple sites.
Generating Reports
An important feature of Winwatch is the extensive range and flexibility of various possible reports. This for example allows both average and specific staff attendance response times to be reported for different locations for different intervals such as day and night shift.

It’s even possible to filter those reports to identify staff response performance during lunchtime or perhaps weekend and holiday intervals.

These reports can be manually generated and printed or automatically sent as a periodic emailed PDF or Excel formatted report to one or more destinations.

Reports can include a combination of location, person and events thereby allowing management to maintain and adjust individual Resident Care Plans to suit changing circumstances of those aging and frail Residents.

Additional Optional Benefits:
- Output displays to Wi-Fi, Paging, DECT, GSM, Vocera Annunciators etc.
- Single operating platform for all facility and outreach monitoring,
- Low-care, high-care Village and outreach ILUs plus OH&S,
- Fire panel, Doors, Dementia Wing, access control, surveillance & other sub systems,
- Staff performance by location and duty shift or time interval,
- Staff duress monitoring by location,
- Monitoring of other systems and facilities,
- Inclusion of Middleware for wide ranging input/output system integration,
- Highly developed reporting capabilities,
- Proven performance over large number of sites,
- 24/7 Help Line support,
- Free generic software upgrades with remote access program,
- Low cost, fully featured Nurse Station capability,
- Interface with DECT, Paging, Vocera, Cisco Wi-Fi, Spectralink & 3G tracking.
OverDoor (Corridor) LED Units for Aged Care Facilities

Designed to accommodate up to three 5mm ‘Superbright’ LEDs these low profile call indicator units are usually located on the corridor ceiling adjacent to the door of the associated room.

Fitted with one, two or three protruding colored diffuser caps they provide a viewing distance up to 20M. They are controlled directly from the call-points and will flash at the rate appropriate to the priority level of the call in progress.

These units are designed to be inconspicuous to all except for the Staff thereby maintaining the objectives of the Aged Care ACT to ensure a ‘Homelike’ and not a Hospital environment for the Residents.

These corridor indicator lamps (often referred to as the ‘Lifeboat’ facility) also act as a last resort nurse-call back-up system should the central equipment or staff portable display devices fail.

Overdoor LED Units for Hospitals

Where a ‘Homelike environment’ is not applicable this uniquely transparent prism design has a modern and architecturally pleasant appearance.

Unlike Aged Care applications the third color is intended to identify a ‘Code Blue’ or Cardiac Arrest alert within the room or Ward.

Annunciator Displays

This new version Annunciator uses an attractive housing and is available as either single or double-sided displays. They feature a high intensity LED matrix providing 16 segment 50mm high alphanumeric multicolor characters. Half width versions (i.e. 8 x 50cm) are also available.

Displays are capable of being independently addressed with call traffic applicable to each unit’s location within the overall network.

Each display includes a speaker with local volume control, however the system head-end is also capable of globally controlling the day and night volume levels in order to avoid Resident discomfort.

Depending on the priority level of delivered calls the Annunciators deploy the appropriate color and tone beep cadence to suit Standard AS3811. Higher priority calls will take precedence over other calls until cancelled. One or more displays can also be programmed to identify a ‘System Down’ message in such event.

Meanwhile when not displaying call-traffic the ‘fallback’ message that occurs between active calls may display the time of day or perhaps a daily general information message compiled from an administration or nurse station computer terminal.
Annunciator Controller—wireless and hardwired capability

The WAC07 Annunciator Controller is usually part of the head-end equipment whereby it receives its call traffic from the Server and delivers it into its local Annunciator display network throughout the building.

The unit is however, also capable of accepting its call traffic remotely via a Head-End controlled paging transmitter. This means that additional remote WAC07 units and their connected display units can also be located in other buildings or similarly allowed to operate in locations that are difficult to cable.

The WAC-07 is also responsible for monitoring ‘heartbeat’ commands from the Server and will generate ‘System Down’ displays on one or more Annunciator displays should it detect that the Server has failed to send its ‘heartbeat’ pulse.

Handheld Communication Devices

Clients choose the portable display devices that best suits their needs. Smart-Caller BlueLine-IP & BlueLine-ISM Wireless systems are compatible with most DECT, Wi-Fi, 3G, Vocera and traditional VHF and UHF POCSAG alphanumeric pocket paging systems.

In some cases, such as a preference to use waterproof and robust Smartphones deploying the site’s Wi-Fi infrastructure, it is necessary to include a middleware message centre interface such as Mobicall or similar.

This middleware is usually accommodated within the head-end SmartCom Server.

‘Minder’ Dementia Room Monitoring System

Located at the entrance to the Resident’s room the ‘Minder’ Control Panel provides the dementia system’s Arm and Disarm functions. It also processes the call traffic resulting from triggering of bed-exit and door-exit PIR curtain sensors.

Two alternative control panels are available one having a common site-wide key-switch, the other having an illuminated push button activation.

If provided with dual circuits from the nearest IP Node the Minder can then also accommodate Ensuite PIR monitoring and even include switching of lights as the Resident gets out of bed along with raising an alarm in the event of Resident ‘Ensuite Overstay’ occurring.

Curtain PIRs used for discrete bedside and doorway supervision
Sample Door & Bed Exit Sub-Systems
See Accessories Catalogue for Complete Range

**PROTRAC ID Wandering Alert System**

This Australian made door security system is compatible with all Smart-Caller nurse call systems and allows up to 100 wrist tags to be worn simultaneously. The system is inconspicuous until an alert is triggered at which time various options are possible.

These options include generating a local alarm in addition to the alert that is despatched via the nurse call system. It can also (with careful consideration and override facilities) cause the door to be locked whilst the wandering resident is within close proximity to the doors.

The inconspicuous ceiling mounted directional antenna plate can be mounted on any surface and can also be painted in order to blend into any decor.

The relatively inexpensive Protrac wrist tags have been designed with longevity in mind. Using a low powered radio frequency, the wrist pendants will have a 3-5 year life span.

**Portable Bed-Exit Sensors with ON/OFF Switch and plug pack**

This small dimension Curtain PIR fits to the wall at the head of the bed in a purpose built wall mount bracket. It is easy to install and can be moved from room to room with ease. It projects an invisible beam across the floor to the end of the bed. When the resident’s legs break this beam an alarm call is generated. It connects to all nurse call systems. It comes complete with wall mounting bracket and wireless versions are also available.

**Dual Bed-Exit Sensor System**

This is the same as the above BEDEXIT-PIR-01 but has dual PIRs interconnected. Each is wall mounted close to the floor each side of the bed.

The PIRs are supplied with a power pack, a wall mounting bracket for each sensor and an in-line ON/OFF switch located close to the call-point connection point.

**Note:** Various models of each type are available to suit any brand nurse call system and/or special requirements.

**Wireless Controlled Bed-Exit ARM/DISARM**

Using a wireless BED-ON-BED-OFF call point at the entrance to the Room or Ward it is possible for the Staff to remotely Arm and Disarm the bed-exit sensors prior to entering the room.

This is particularly useful in a multiple bed location (i.e. Ward) where all bed-exit sensors within that location can be disabled prior to Staff entry in order to avoid false calls being generated.
Typical Range of Wireless & Hardwired System Accessories
Including Smart-Caller Proprietary ‘Safe-Life’ Range.

This monitor is an optional accessory for a floor sensor mat but is essential for bed and chair exit sensor pads. It has a temporary disarm feature allowing the Resident/Patient to be moved without generating an alarm.

Other features include:-
- programmable alarm delay
- Local and Nurse Call system alarm
- Volume control
- Adjustable time delay
- Socket for connection to nurse call system
- Protective cover and mounting brackets
- Battery or plug-pack powered.

Foldable Hardwired Floor Mat
Part No: A-MAXIMAT-01

Hardwired Chair pad
Part No: A-BPSC-01

Hardwired Foldable Bed Sensor
Part No: A-SC-BPHW-01

Remote (wireless) pendant
All master call points have remote activation capability
Part No: A-BP-PET-03-GRA

Contact us to obtain a complete catalogue of accessory items
sales@smartcaller.com.au
www.smartcaller.com.au
www.safelife.com.au
Phone 03 9588 0833 - or 61 3 95880833
Fax 03 9588 0933 - or 61 3 95880933
EMERGENCY CALL FOR INDEPENDENT LIVING
BLUE PHONE, SMART DIALLER & SAFE-LIFE PENDANT

New 4th Generation Blue Phone  HP4 ( & New Release) HP5

Like its previous Help Phone models the Australian designed and manufactured HP4 re-
mains to be the only PERS (Personal Emergency Response System) telephone that meets
the applicable Australian Standard AS4607.

With in excess of 100,000 Smart-Caller Help Phones delivered to ensure the wellbeing of
frail and aged persons the latest HP4 (and HP5) models are based on 36 years experience
and knowhow by Smart-Caller Pty Ltd who also design and manufacturer nurse call sys-
tems thereby providing total Ageing-in-Place solutions within Retirement Villages.

This premium product offers an extremely affordable ‘all in one’ solution for providing
emergency call to Retirement Village and Domestic Independent Living Residents. It simi-
larly provides peace of mind for village operators and family members.

Blue Phone also incorporates proprietary safety back up features including ‘Voice Mes-
saging Back Up’ and ‘Call Back Integrity’ which are unique to Blue Phone. These extra pre-
cautions will allow alarm calls to be received even when a host computer is inoperable or
a carer or operator neglects to respond to an alarm call thereby failing to satisfy duty of
care obligations.

Emergency Call Features & Benefits

- Designed & Manufactured in Australia
- Exceeds Aged Care Standard AS4607
- On-Site and/or Off-Site monitoring
- Suits Professional or Family monitoring
- NBN Fibre connection compatible
- Protocols to suit all monitoring centres
- Daily OK - ‘Inactivity Monitoring’
- Voice Messaging as an Alarm Back-Up
- Easy to self install and maintain
- 48 independent wireless alarm inputs
- 9 hard-wired inputs (option via Multicode-09)
- Inbuilt ‘call back integrity’ to ensure contact
- Auto call escalation to ensure carer response
- Voice reminders for important matters
- Pill Reminder
- Smoke detection and reporting to care staff
- Call Back Integrity and Voice Messaging as a Back Up
- Loud high quality Alarm 2-way voice contact
- Easy to Use
- Answer & hang-up via wireless pendant
- Auto and manual battery status checking
- Mode 3 secure (protected) connection
- Voice warnings for low battery, line-down etc
- Built in home security intrusion alarm system
- 80 Hour constant charge battery backup
- Comprehensive remote programming capability

Basic Accessory Items

CALL POINT
RF SMOKE SENSOR
WRIST PENDANT
WIRELESS PIR
MULTICODE TRANS
RF STROBE

NOW WITH 3G BACK-UP OPTION
SAFE-LIFE ‘Go-Anywhere’ PORTABLE PENDANT

Whether sitting in its docking station ready for action on the bedside table or perhaps carried as a necklace Pendant or in a pocket or handbag the Safe-Life Pendant is a totally portable PERS device.

Like the fixed location HP4 Phone and HD4 Dialler the Safe-Life pendant is suitable for both Family and Professional monitoring.

This includes the ability for Aged Care facilities to include a 3G gateway within the site’s nurse call system head-end to monitor alarms from Residents.

Features and Benefits include
- Accurate GPS positioning with alarm
- Accurate GPS positioning via dial-in location request
- Good quality two-way voice contact in alarm condition
- Multiple Geo Fencing ‘safe containment’ settings
- Falls detection sensor reporting
- Easy to program and use
- 2G and 3G versions available
- Waterproof construction
- Typically 4 day battery life (no limit if docking station used regularly)
- Battery recharging (via Docking Station) & low battery reporting
- Attractive with Small dimensions and lightweight
- Reliable proven design
- Full compliance to Australian standards (Documents proprietary to Smart-Caller)
Smart-House possibilities using BlueLine-IP, Blueline ISM Wireless and/or PERS facilities

Ageing-In-Place System deploying IP, Wireless and PERS Technology
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