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Bluephone & Smart-Dialler Personal Emergency Response Systems Including inbuilt 3G option

NOW WITH 3G BACK-UP



This latest multiple technology arrangement is a preferred requirement by NBN-Co in order to allow a back-up emergency communication path in the event of a power or service provider failure. However, the HP5 telephone version takes this 3G back-up capability to another level by also allowing its use as a normal telephone deploying the 3G facility under such adverse conditions.

Similarly for those Residents that do not have, nor wish to have a fixed line connected telephone the HP5 phone would automatically deploy its 3G-functions for all circumstances. It then becomes the standard highly featured home based telephone handset providing both PERS Emergency and normal communication requirements.

INTRODUCING HP5 PHONE & HD5 DIALLER

Having supplied approximately 120,000 Smart-Caller Help Phones and Diallers we are pleased to announce the release of the latest 5th generation HP5 Bluephone and HD5 Smart-Dialler Emergency Call products.

They continue the tradition of being Australian designed and manufactured for the Australian market complying with the PERS (Personal Emergency Response System Standard AS4607). Each of these quality each now feature the additional benefit of including a high quality 3G/GPRS mobile network modem in order to provide back-up their traditional copper telephone line and NBN fibre based UNI-V connections. Total compatibility is ensured for all three communication techniques.





EMERGENCY CALL FEATURES & BENEFITS

- Australian designed and manufactured
- Choice of HP5 Bluephone or HD5 Smart-Dialler
- Exceeds Aged Care Standard AS4607
- Includes alternative 3G/GPRS back-up option
- Includes Bluetooth connectivity for programming
- Suits On-Site or Off-Site monitoring
- Suits Professional or Family monitoring
- NBN FTTP & FTTN connection compatible
- Loud high quality Alarm 2-way voice contact
- Protocols to suit all monitoring centers
- Auto call escalation to ensure carer response
- Auto Voice Messaging as an Alarm Back-Up
- Inbuilt 'call back integrity' to ensure contact
- Easy to self install and maintain
- Smoke detection and reporting to care staff
- 48 independent wireless alarm inputs
- 9 hard-wired inputs (option via Multicode-09)
- Wide range of accessories & sub systems
- Daily OK - 'Inactivity Monitoring'
- Voice reminders for important matters
- Pill Reminder - Easy to Use
- Answer & hang-up via wireless pendant
- Auto and manual battery status checking
- Mode 3 secure (Line seize) connection
- Voice warnings for low battery, line-down etc.
- Built in home security intrusion alarm system
- External Strobe activation option
- Duress and home invasion facilities
- 80 Hour constant charge battery backup
- Comprehensive remote programming capability

HP5 PHONE USER FEATURES & BENEFITS

- Brisling with latest Speakerphone user features
- A phone that is simple and uncomplicated to use
- Designed for the Older and/or Frail Residents
- LCD screen with caller ID, time/day display etc
- Photo-fit Speed dialing & phone book
- Desk or Wall mounting
- Extremely loud two-way Speaker-Phone
- Extra loud ringer (selectable)
- Handset volume boost
- Hearing aid induction loop in handset
- Talking day and real time clock
- Select voice sounding of dial key strokes
- Easy to self install and maintain

DESCRIPTION

The HP5 PERS Phone is both an easy to use feature phone in addition to being the only emergency call (PERS) telephone that meets the Australian PERS Standard AS4607. It suits desk or wall mounting and is Australian designed and manufactured and supported by Smart-Caller's 36 years of experience and knowhow.

The alternative HD5 under-phone or wall mounting Smart-Dialler uses identical circuits and software designs. However, unlike the HP5 Phone it does not include handset, keyboard or LCD display functions.

The Dialler model is also ideally suited to safeguarding Residents within the Village Community Centre, Resident Workshops and other similar communal locations. In such situations these inconspicuous PERS devices can protect Residents and Property alike via personal pendants, call-points and various wireless or hard-wired sensors.



MONITORING OPTIONS

Both the HP5 Bluephone and HD5 Smart-Dialler will accommodate Off-Site Professional Monitoring or the alternative On-Site monitoring situations perhaps for Ageing-in-Place situations via the site's nurse call system. It can also be user configured to suit Domestic (Family) monitoring. These various options may be selected via the phones keyboard or the Dialler's Bluetooth programming facility using a mobile phone App.

Available communication paths include the national PSTN network or a similar PABX connection and/or NBN FTTP or FTTN (Fibre to the premises or to the Node). Unlike previous models it is also now possible to communicate via the 3G mobile network, the latter as a back-up to other prime communication paths or perhaps as the sole means of both-way data and voice communication.

HOME SECURITY

Using the Phone's 'Home' or 'Away' operating modes Bluephone can provide a comprehensive and easy to operate in-built home security system. A wide range of easy to fit security sensors are available for this purpose.

The 'Home' and 'Away' operating modes are selected via the phone's keyboard or alternatively via a dedicated key-ring wireless pendant or perhaps a wireless call-point inconspicuously located near the entrance to the premises.

An optional strobe light can also be fitted to the front entrance to warn the Resident of a detected intrusion in their absence,. Such event would have already been reported to their preferred monitoring destination which could typically be their own mobile phone for such events.

The Arming and Disarming process sets any installed sensors to operate as required. For example a motion sensor (PIR) can be programmed to operate as an intrusion sensor in the 'Away' mode and to revert to a Resident 'Inactivity' monitor in the 'Home' mode.

HOME INVASION/DOMESTIC VIOLENCE

The Bluephone is ideally suited to applications that require the ability to silently generate duress calls to preferred destinations.

In the event of home invasion or domestic violence it is therefore possible for the respondent receiving the duress call to be able to carry out real-time audio surveillance and if warranted to also engage in voice intrusion.

The external strobe trigger option is also an excellent adjunct for situations where a Resident may be under attack.

A full range of wireless activated security sensors is available to accommodate almost any hostile or unwelcome environmental event including Intrusion, Smoke, Heat, Gas and Flood Detectors to name a few.

RANGE OF ACCESSORIES

Both hard wired and wireless accessories may be applied to both the HP5 and HD5 Phone and Dialler each device having the ability to accommodate up to 48 separately identifiable inputs. This, in conjunction with the ability for the Resident to remotely access their PERS device under password protection, opens up many possibilities well beyond the normal expectations of a PERS device.

The hard-wired connections are achieved by deploying the optional MULTICODE-09 hard-wired interface which effectively connects to the line cord input.

The following images and diagram provide an insight into the possible levels of care and assistance that can be provided.





RESIDENT 'INACTIVITY' MONITORING

All too often do we hear of a Resident that has fallen and for various possible reasons was unable to trigger their PERS device often with fatal outcomes. The Smart-Caller HP5 and HD5 PERS products have a number of programmable 'inactivity' solutions that will overcome this problem.

Understandably the inactivity monitoring facilities will only operate in the devices 'Home' mode and in order to avoid false calls it is important that the PERS product's 'Away' mode be enabled when the Resident is absent from their premises.

One technique requires the Resident to press the daily 'OK' button by a certain time, meanwhile the PERS device is delivering loud announcements to remind them to do so.

Other techniques automatically deploy selected elements of the 'Smart-House' range of sensors to detect and report the absence of normal behavioral activity.

For example, not having passed by a strategically located PIR sensor which would normally carries out a 'wireless handshake' to the PERS unit to identify that all is well. Similarly various sensors within the Smart-House accessories range can recognize that the refrigerator door or other regular predictable daily events have not occurred.

VOICE MESSAGING & CALL-BACK INTEGRITY

Voice messaging is highly desirable for Family Monitoring. Meanwhile this facility also offers an excellent life-saving back-up for situations where 'On-Site' or 'Off-Site' professional monitoring is being used and the Carer/Operator fails to make the responding alarm call-back.

This 'Call-Back Integrity' feature ensures that calls are never missed or neglected and accordingly ensure that Duty of Care obligations are met.

For on-site monitoring this also means a village manager does not have to worry if the site experiences a prolonged power or other failure disabling the normal monitoring facility's communication path or host computer .

CALL ESCALATION FACILITIES

Unlike Call-Back Integrity where a Carer/Operator may fail to respond to a received incoming call, the Call Escalation facility ensures an outgoing PERS emergency call is delivered to at least one of the range of call destinations.

It allows up to 8 call destinations to be programmed in order of priority and will continue to step through those destinations using the appropriate protocol for each destination until the call is accepted.

Portable **3G** PERS Solutions



SAFELIFE 3G/GPRS 'GO ANYWHERE' PENDANT

Following the highly successful acceptance of the previous SafeLife 2G Pendant we now introduce the enhanced 3G/GPRS version.

With its optional docking/charging station ideally located on the bedside table, this miniature, lightweight and waterproof Pendant offers the Resident the benefit of both fixed internal and portable external personal protection.

It has excellent both-way voice communication in association with its SOS button along with Falls Detection and a comprehensive Geo-Fence facility to ensure automatic location reporting should the user wander beyond preset safe perimeter boundaries.

Other noteworthy benefits include Low-Battery reporting and password protected Remote Access. In addition to allowing authorized persons to seek a pin-point location at any time the remote access also facilitates set-up requirements and allows possible future firmware upgrades.



Specifications & illustrations are subject to change without notice

Winwatch Nurse Call Head-End

For Aged Care Facilities preferring to carry out their own on-site monitoring of their fixed and mobile PERS devices the Winwatch software program provides a total solution.

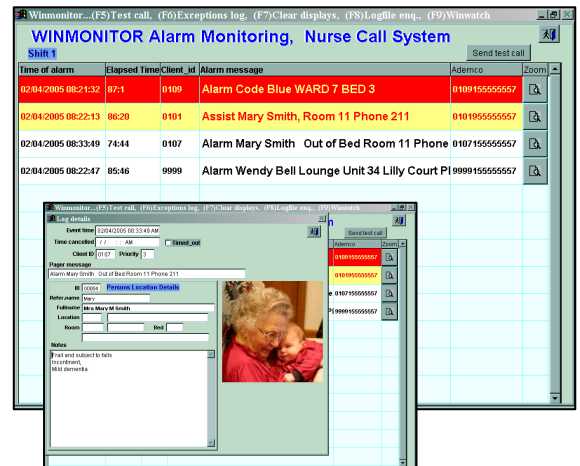
It offers a 'single operating platform' to ensure a seamless integration of all on-site 'Ageing-in-Place' and off-site monitoring requirements including portable 3G pendants.

Various head-end equipment provides the necessary call processing and call distribution requirements. Accordingly the Winwatch software program fully complies with, and significantly exceeds Australian Standards AS3811 and AS4607.

Monitoring functions include monitoring of Resident/Patient events plus Staff Duress, Building Management Services and RTLS (Real Time Location Tracking).

It also provides comprehensive logging and reporting facilities for each location throughout the site and off-site, the latter where PERS products are often supplied by Village operators within the surrounding community.

In other words its the perfect software solution for Ageing-in-Place and Smart-House objectives whilst also caring for Staff members on or off site and having the ability to safeguard 'tagged' persons or assets.



Monitoring Display Options

Whereas HP5 and HD5 PERS devices are able to communicate directly with other fixed and mobile phones delivering a voice announcement and inviting the Emergency Call to be accepted this does not however, satisfy the Aged Care Standard AS4607.

It is therefore important to be able to log all emergency call traffic in terms of time and date stamped receipt of the alarm call and preferably the cancel call thereby also identifying the time taken communicating with the Resident.

To assist in this overall requirement it is possible for the responding carer/operator to remotely trigger a cancel call prior to hanging up from their call-back response.

The investment of Off-site professional monitoring clearly provides this level of Operator support whereas the same should also exist for those facilities that opt to carry out their own monitoring response service.

This is achieved via a wide range of portable and fixed display devices controlled via the Winwatch or equivalent computer based monitoring facility.

This includes Pagers, DECT and Mobile Phones, Annunciator displays in addition to existing monitor screens.



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