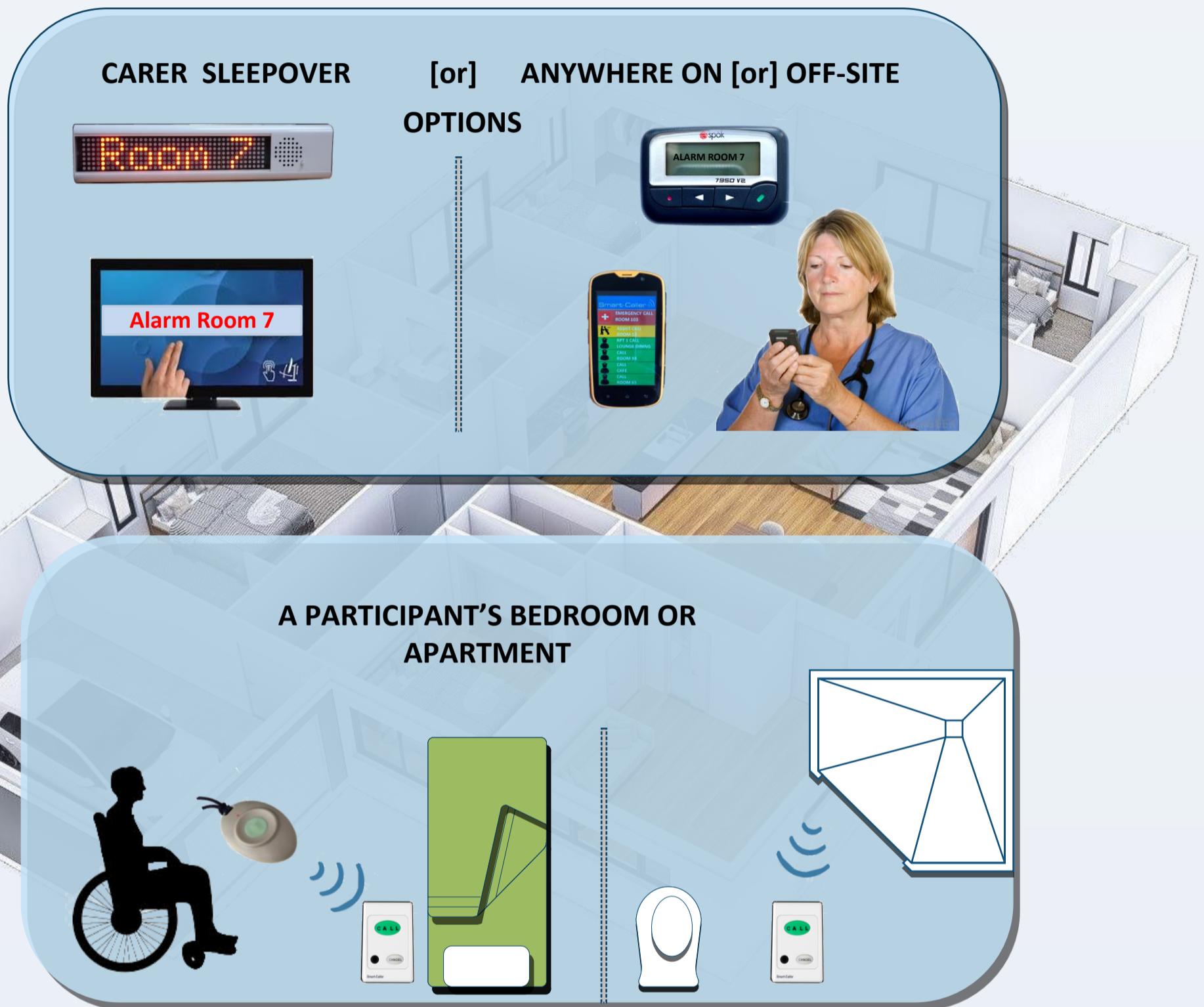


NDIS/SDA HIGH PHYSICAL SUPPORT SDA/NDIS COMMUNICATION SYSTEM

MODEL – BLUELINE-01



OVERVIEW DESCRIPTION

STANDARDS COMPLIANCE. The prime objective of an SDA/NDIS High Physical Support (HPS) Communication System is for each of the Disabled Participants to be able to immediately inform the Carer of the need for assistance. Clause 23 “Alerting Technology” of the SDA/NDIS Guidelines further specifies that the system design must be capable of ensuring such contact when the Carer “**Is not in line of sight**”.

IMPORTANCE OF WIRELESS. To achieve the above logical objectives it follows that portable Wireless Technology needs to be deployed because both the duty Carer and each Participant can at any time each be at any location throughout the site.

A “wireless only” solution (See the BlueLine-05 Brochure) meets this requirement with some limitations. The most notable limitation is the inability for the Carer to identify the location of the calling Participant.

DUAL TECHNOLOGY SOLUTION. The BlueLine-01 System described herein is based on deploying dual technologies. This means that the wireless communication from the Participant’s portable wearable pendant is reliably carried on the back of a hard-wired IP (Internet Protocol) system that also identifies the location of that activated call-point.

Irrespective of the call being generated by pushing the call-button on a call-point or from a nearby wireless pendant those call locations are sent to the display devices. These may include any combination of LED/LCD Screens, Annunciators, Pagers or Mobile phones.

CALL-POINTS. Designed for Hospital and Aged Care applications the call-points and associated equipment meet the many stringent demands and standards.

The back-lit call buttons also have embedded Antibacterial/Antifungal treatment and each call-point has multitasking capabilities. This can include additional hard-wired, wireless and Bluetooth call triggering options.

The multitasking capabilities can also be deployed to interface with automated Smart-home facilities such as voice recognition activation devices, intercom, CCTV, access control, smoke and heat detectors or other facilities where it is necessary to make contact with the Carer.

There is no practical limit to the number of Pendants, Call-Points, Mobile phones, Annunciators or Pagers that may be included in each system. A wide range of accessories to accommodate higher levels of care is also available.

SEE FURTHER INFORMATION OVERPAGE

Specifications and Illustrations subject to change without prior notice



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1. ASSISTIVE TECHNOLOGY OBJECTIVES

The SDA/NDIS Assistive Technology objective is to ensure that Certification for SDA High Physical Support (HPS) Classification is obtained without fear of rejection. The official guidelines detailing SDA HPS requirements is shown below.

Clause 23 highlights two key issues plus an assumed issue as summarized below:-

- Provide a good quality Internet connection with Wi-Fi coverage
- Ensure communication between each participant and the carer “when not within line of sight”
- All of the above presumed to be technically available to suit a 24 hour Carer duty cycle.

23. Assistive technology

Clause	Design Requirement	Rationale	Applicable to
23.1	Internet connection shall be provided with the ability for high internet speeds to be maintained and stable in nature with wi-fi coverage throughout all areas of the dwelling.	I For best use and needs of participants.	 
23.2	A video, intercom or other communication system shall be provided to enable communication between the participant and their supports when not within line of sight.	For safe management of the dwelling. Video or intercom systems could become obsolete or superseded by newer, more portable and innovative technology. This clause therefore, provides flexibility for such a system to be provided.	

Putting the Internet/WiFi matter aside as being fully understandable it is equally clear that the choice of a “Communication System” offers the most practical outcome when compared to “Video” or “Intercom” each of which may or may not also form part of the overall Communication System installation.

2. THE BENEFITS OF A DUAL TECHNOLOGY SYSTEM

It can be understood that a waterproof wireless Pendant is highly desirable for the Participant to use from the Wheelchair, the Shower Recess or whilst in Bed. However, it is equally desirable to ensure that those wireless initiated calls are also reliably processed via a nearby wired call-point along with that call-point’s ability to identify the location of that call.

Therefore each location such as the Participant’s bedside and Ensuite, can be equipped with a fixed call-point which will also respond to that person’s wireless pendant. Each pendant can also be paired (taught) into call-points located in internal or external communal locations including exercise or recreational locations. The dual technology therefore ensures system flexibility along with reliable site-wide location performance.

3. REMOTE ACCESS

The BlueLine-01 system has been designed to fully comply with the above Guideline objectives. The system also has the ability to deploy the benefits of the prescribed internet connection allowing bothway remote access capabilities. This remote access is important for assisting in system set-up, subsequent adjustments or possible corrections. It can also be used for the optional scheduled email delivery of Site Performance Reports to ensure Duty of Care and Staff Due Diligence performance.

By inclusion of a 4G modem the system can also automatically dispatch (a) All Calls, (b) Neglected Calls, (c) Staff Assist and Duress Calls or (d) After hours calls, typically to Mobile Phones and/or a central monitoring facility.

4. HIGH LEVEL INTEGRATION WITH SMART-HOME FACILITIES

The system also has the ability to interface with Smart-Home automation facilities along with connection to voice recognition devices plus Access Control, Intercom, CCTV and Smoke detection facilities that may also be included within the overall system. Such interfacing requirements would need to be identified when ordering a BlueLine-01 system.