



'SMARTCARE-500' (Hard-Wired Nurse-Call System)



Central Controller

INTRODUCTION

'SmartCare-500' is an Australian designed and manufactured premium quality hard-wired nurse-call system from a specialist company with 30 years experience. Being one in the range of hard-wired, wireless, telephone, IP and WiFi based nurse-call systems it satisfies tight budgets without compromising performance, reliability, quality or functionality.

There is no practical limit to the number of hard-wired call-points or similar devices that may simply be connected to the system and as an added bonus several hundred wireless devices may also be applied at negligible additional infrastructure cost.

For example, following the Smart-Caller policy of exploiting allied technologies each bedside and common area hard-wired call-point includes a wireless receiver at no additional cost. This means that both the reliability of a hard-wired infrastructure plus the flexibility of wireless technology is well catered for throughout any Smart-Caller nurse-call system installation.

This modern nurse-call system also offers a total solution to monitoring and care management from low care through high care and dementia specific care whilst also 'caring for carers' in recognition of OH&S requirements.

'SmartCare-500' employs a solid state Industrial quality microprocessor embedded controller that uses the latest 'flash-memory' technology. Accordingly this solid state unit has no moving parts that will deteriorate and ultimately fail resulting in the system having a 50,000 hour MTBF (Mean Time between Failure) rating.

The system is user friendly and configurable to allow future adjustments, inclusion of accessories and additional call-points. It also provides incoming and outgoing call traffic logging and printing plus reporting of elapsed response times. It will repeat paged calls and will escalate calls to other persons should elapsed times exceed allowable limits.

The system accommodates high level interfaces such as a fire panel and outputs to a Paging transmitter, Annunciators and (certain) DECT portable phone systems.

FEATURES & BENEFITS

- Fully complies to hard-wired nurse-call Standard AS3811
- Unlimited number of hard-wired or wireless call-points
- Hard-wired call-points include integral wireless trigger
- Range of wireless accessories plus wrist-strap & pendants
- Transportable bed wet, bed exit & high-care sensors
- Solid state embedded microprocessor controller
- Real time call logging, repeat call and escalation
- Interface to Fire Panel and Access Control systems
- Interconnect to other and old nurse-call systems
- Accommodates Pagers, Annunciators & DECT phones
- Monitoring & reporting of wireless device low-battery
- Suits Aged Care, Duress and OH&S applications
- Low cost high quality Australian design and manufacture

SELECTION OF CALL-POINTS & SENSORS

All call-points used throughout 'SmartCare' nurse-call systems have the ability to dispatch 'Resident', 'Staff Assist' and 'Cancel Calls' into the system.



Bedside, communal & wet area call-points

Staff Assist is achieved by the staff member pressing both Call and Cancel buttons simultaneously. Dry area call-points include an inbuilt wireless receiver to accommodate a wide range of cordless accessories.

In addition to the fixed location call-points there is no practical limit to other devices being deployed by wired or wireless connection some of which are shown below.

The selection below includes Pendants, wrist transmitters, floor mats, bed exit and chair exit sensors, bed-wet sensors and other devices including smoke, PIR motion detectors;



door reed switches and so on. Flexibility and portability are keywords in the deployment of wireless technology interlocked with the reliability of a hard-wired infrastructure necessary for Aged Care, Duress and OH&S applications.



Selection of typical accessory devices

Other items (not shown) include door bell, refrigerator and passenger Lift alerts, flood sensors, gas detectors and water flow sensors to name a few.

The miniature and robust SmartCom1-M2M flash memory microprocessor Controller receives and stores incoming call traffic and then dispatches corresponding outgoing call traffic to the Paging Transmitter, Annunciator Displays and DECT phone displays.

This system controller will maintain real time & date (including daylight saving adjustments) and will record elapsed times taken for staff to respond to alarm calls.

SmartCom1 is supplied complete with flat screen monitor, mouse and keyboard to allow system editing, viewing and printing.

HARD-WIRED & WIRELESS INPUTS

One special feature of the ‘SmartCare-500’ system is its ability to accommodate both hard-wired and wireless call traffic whereby all such calls are reliably delivered to the host computer via a single supervised hard-wired system backbone cable.

Where necessary Area ‘Slave Controllers’ are connected to the back-bone cable infrastructure, each being able to accept and process up to 32 hard-wired and 100 wireless inputs. This important site-wide radio reception capability is known as the ‘Safe-T-Net’ umbrella, it having many important functions and benefits not otherwise possible in a hard-wired system. This capability has particular benefit in Staff duress location and support.

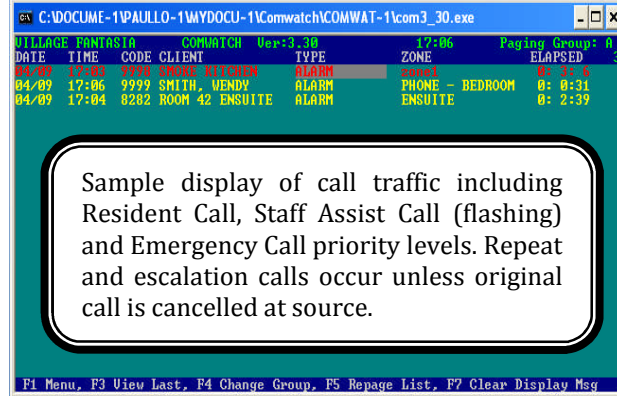


Area controller with 32 hard-wire & 100 wireless inputs

NURSE-CALL OPERATING SOFTWARE.

This highly reliable M2M Comwatch software program is easy to operate and has comprehensive logging and reporting facilities.

It allows a specific and comprehensive database entry for each call-point or portable wireless device thereby allowing the operating requirements for that device to be specifically set, logged and adjusted to suit initial and future requirements.



Sample display of call traffic including Resident Call, Staff Assist Call (flashing) and Emergency Call priority levels. Repeat and escalation calls occur unless original call is cancelled at source.

CONTACTING CARER & NURSING STAFF

The need to deliver alarm call traffic to appropriate destinations is well catered for by the ‘SmartCare-500’ system. The use of pagers offers the most economical solution, however the system also supports Annunciator displays and SMS text messages to various portable DECT phone systems.



Authorised Supplier

Specifications subject to change without notice

