

# CallGuard

State-of-the-art Assisted & Long-Term  
Care Emergency Call System



A complete emergency call system embracing today's IP technology and software to provide a comprehensive and flexible range of call types, alarms and options ensuring a prompt and efficient response by staff to residents calls.



**When Lives are at Stake**

Trust the Emergency Call System  
Relied Upon Worldwide



# CallGuard

## THE EMERGENCY CALL SYSTEM THAT NEVER SLEEPS

CallGuard is designed for 24-hour, 7-days-a-week reliability utilizing state-of-the-art technologies to entirely satisfy the demands of extended care, retirement villages, nursing homes and assisted living facilities.

### LONG-TERM CARE



- Resident-to-staff communication to enhance response times
- Staff-to-staff communication to enhance communications
- Radio paging integration to enhance staff efficiency
- Wired and wireless telephone system interfaces to enhance resident-to-staff and staff-to-staff efficiency

### SPECIAL CARE



- Call cord devices designed for ease of use by persons that find it difficult to grip small items
- Remote displays annunciate status of pending calls visually and audibly saving staff from returning to nurse station

### ASSISTED LIVING



- Wandering resident system interface to decrease unescorted egress
- Perimeter security and door access control systems interface
- Staff locator to enhance resource management
- Non-institutional appearance of stations
- Water-resistant call stations for wet environments

### RETIREMENT



- RF (wireless) call pendants for ambulatory residents
- Telephone dialers with RF pendants for assisted living and retirement residences

### DEMENTIA CARE

Austco's Dementia Care System integrates with CallGuard to provide a total non-intrusive monitoring and emergency call system for the care of residents suffering from confusion as a result of Alzheimer's or other Dementia disorders. The DCS-2000 is a small, easy-to-use, two button-operated microprocessor controller that alerts staff to resident's need for care.

Installed next to the door just outside the resident's room, the DCS-2000 integrates with various non-intrusive movement sensors such as a Bed Occupancy Sensor, door reed switch and PIR movement detectors. The sophisticated microprocessor software analyzes the movements detected by these sensors to 'normal' behavior and if not, an alarm is raised to alert staff that the resident needs care.

Using a simple single key action, staff can select one of 16 predefined behavior profiles to be used by the DCS-2000 software as 'normal' behavior for a particular resident. This avoids unnecessary alarms when the resident, for example, leaves the bed, goes to the toilet and returns to bed.

The DCS-2000 incorporates pre-emptive light cueing based on the selected behavior profile and analysis of movement to automatically switch main room and/or other room lights on or off to assist and guide the resident.

## BED OCCUPANCY

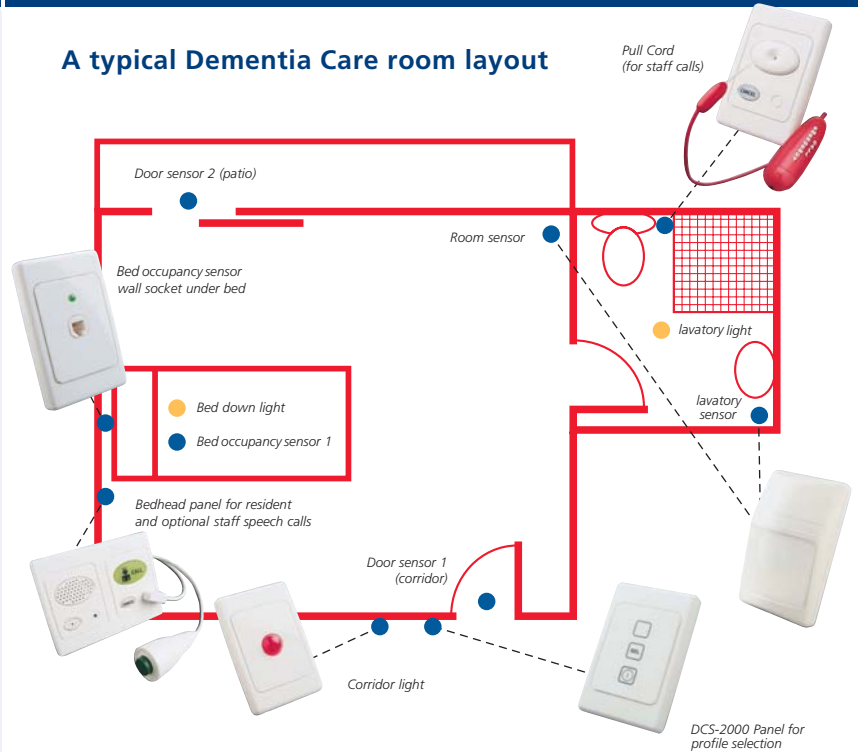
### SENSOR

At the heart of the Dementia Care system is the BOS (Bed Occupancy Sensor). The AUSTCO BOS is based on patented Kinotex®, a smart fibre optic pressure sensing component manufactured by Tactex. The BOS is a long-life, under the mattress sensor that alerts a care-giver when a resident is out of bed.



## DEMENTIA CARE

### A typical Dementia Care room layout



## SUMMARY OF THE DEMENTIA CARE ADVANTAGES

Features	Benefits
Non-intrusive monitoring	Simple automated monitoring of the resident's activity without physical restrictions on freedom of movements.
Modern, unobtrusive design	Can be installed to blend in with the decor thus not attracting residents' attention
User-friendly two-button operation	Simple to use with little or no staff training required.
Exception alarm reporting	Alarm is only raised if the resident's activity varies from the selected pre-defined behavior profile.
16 pre-defined behavior profiles	All typical profiles are pre-programmed, ready for use, thus require no further programming or complex alterations of behavior profiles by staff.
Selection panel at each room	Night staff can select the resident profile at the room to suit the resident's current night-time behavior.
Light cuing	Leads and assists the resident to the lavatory or back to bed after exiting the bed.
Integrates with CallGuard emergency call systems	Alarms with room and/or bed number identity are sent to the emergency call system for display, logging, paging, etc.
Uses standard motion detectors and simple electrical wiring	Easy and inexpensive to install and maintain for one room or many rooms.

### EASY-TO-

With the addition of ConnexALL alarm and call management software,

### INTEGRATE

CallGuard can be integrated with other alarm and emergency call systems. System notifications can be sent to wireless phones, pocket pagers, email reports and much more.



**connexALL**  
by **GLOBESTAR**  
SYSTEMS

# OPTIMIZE STAFF EFFICIENCY

Mobile two-way speech communication between staff and residents ensures immediate, appropriate and effective responses to resident calls.



## CALLGUARD FEATURES

- Colored, easy-to-identify backlit silicon call stations
- User-friendly operation to instantly alert staff
- Remote audio visual call display at staff stations, corridors and essential over door light facilities
- User-friendly, master stations with color-coded multiple VGA monitors and alphanumeric displays
- Optional two-way staff-to-resident speech communication and public address
- Silent vibrating message pagers or wireless telephones allow staff total mobility with instant communication from resident or management
- Staff-to-resident allocation of pager and/or wireless phone
- Customization of call levels, alarm messages and priorities that can be programmed to automatically upgrade and relay to a selected combination of staff
- Selection of priority tone sounds and color designations
- Simple-to-use call reporting including average response times
- Automatic fault detection
- Automated backup and all systems battery-backed against power failure
- Lightning and static-protected
- Compatibility interfacing to:
  - Existing nurse call systems
  - Intruder alarms
  - Ground and building access systems
  - Smoke detectors and fire alarms
  - Wandering resident systems
  - Existing paging services
  - Off-site telephone call systems
  - RF pendants for mobile residents
- Modular design for expansion

## AUSTCO'S RANGE OF SILICON CALL STATIONS

Austco's call stations feature backlit silicon buttons, which provide a subtle glow allowing for easy location in darkness.

Understanding the limited strength and special needs of disabled patients, frail elderly and persons with arthritis Austco silicon buttons are designed to require only the slightest pressure anywhere on their surface to activate the gold-plated contacts. When a call is activated the call station CANCEL button glows red, assuring the resident that the call has been placed. An audible assurance buzzer is an available option.

Manufactured with the antibacterial additive. Silicon resists water, inks, cleaners, disinfectants and abrasives, resulting in a durable and reliable product.



### SYSTEM STANDARDS:

Designed to comply with

- AS 3811 Hard-wired patient alarm systems for hospitals
- HTM Bedhead services (U.K.)
- BS EN 60601.1. CSA 601-1-M90, UL 2601.1 Electrical Equipment General Requirements for Safety.
- UL 1069 Hospital Signaling and Nurse Call Equipment



Manufactured in general accordance with the requirements of international quality assurance standard ISO9000

Authorized Reseller



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