

Solution Overview:

RoamAlert® Wander Management

Easily and Reliably Protect Residents
Who Are Prone to Wandering

Challenges

Senior living communities struggle with how to keep wandering residents safe without compromising their independence, dignity and freedom. Wandering can have many dangerous outcomes, such as becoming lost, to fracturing a bone in a fall. According to the Alzheimer's Association, six in 10 people with dementia will wander. So, it's not a matter of if residents will wander, but when. Luckily, there are ways to help prevent it.

Solution

STANLEY Healthcare's RoamAlert wander management solution gives you the tools you need to protect your residents when and where they need it. Residents are easily monitored through personalized protection and access control based on their needs, reducing the risk of wandering or flight and providing peace of mind to residents, family and staff. No other product offers the same level of flexibility and scalability, combined with ease of use for staff and administrators.

START SMALL AND GROW

RoamAlert is modular and expandable. You can meet your needs today—and stay within your budget—while planning for the future. Real-time resident locating, automatic door bypass, alarm reporting to portable devices—the RoamAlert solution is capable of all this and more. But it can also be used to guard a single exit.

When you're ready to expand, so is RoamAlert. The solution can be scaled to cover not just an entire building, but an entire campus. You can add not just resident locating, but personal emergency response for your staff and residents. You can even track assets like the keys to medicine cabinets.

How It Works

Each resident wears a small radio transmitter and exits are protected by door controllers. When a resident approaches an exit, the door controller locks the door to prevent the resident from leaving; if the door is opened, an alarm sounds. Even when residents loiter near a door, which could be predictive of an exit, a notification can be generated.



Benefits

- Increases resident security
- Improves response time
- Reduces the risk of wandering or flight
- Provides peace of mind
- Increases resident satisfaction

RoamAlert is highly effective at preventing wandering and elopement. It's also easy to use, saves time for our nursing staff and has helped advance our resident safety.

- Gerard Kaiser
Vice President of Senior Services
Broadlawn Manor

The optional RoamAlert software offers you a wide range of options for central reporting, integration with other security systems such as the Arial® emergency call solution, and resident locating. Door locking and alarm functionality can be configured and scheduled differently for varying daytime and night time modes.

The door controllers are monitored by a server running the RoamAlert software. This application provides information in a clear and intuitive visual format that includes a census list of all residents and one or more floor plans of the facility. Access to the software is password controlled to ensure security.

In an alarm, a warning immediately appears in the software showing the resident's name, the location of the alarm and even a picture. The RoamAlert system can also be integrated with other devices to enable a range of responses to an alarm, from activating a strobe light to sending a detailed page message.

Alarms can be cleared either at the door via a keypad, or through the software. In either case, the system captures complete information on the event for future reference:

the time, the location, the resident and the staff member who responded.

Escorting a resident through a protected exit can also be done through the software or at the door via a keypad. As an alternative, staff members can be equipped with pendant tags that enable them to automatically pass through a door with a resident. In all cases, the identities of the staff member and the resident are recorded in the system database.

With the switch to pulse-enabled RoamAlert wrist tags and the addition of receivers to detect tag messages, the RoamAlert system also offers resident locating. The system tracks the location of all tags, and automatically updates location information in the RoamAlert software. In an emergency, you can locate each individual in a matter of moments.

You can extend protection to all residents and staff through the addition of pendant tags, which enable the individual to call for help from anywhere in your community at any time by pushing the bottom on the tag.

Solution Highlights

- **Reliable technology.** The RoamAlert solution uses highly reliable FM technology designed to handle interference from other radio frequency devices.
- **Small resident tag.** The RoamAlert tag is small and lightweight: only a third of an ounce and one inch across. With no hard edges, it is safe to use even on the most delicate skin, and so small that residents and family will barely notice it.
- **Personalized resident protection.** No other system offers as many options for customizing protection for each resident—letting them pass through some exits, but not others—giving them the maximum possible freedom.
- **Scalable and expandable.** RoamAlert lets you start with one or two doors for perimeter protection and expand up to a community-wide system for wander management, emergency response and resident locating.



Securaband™ tag and strap

RoamAlert has helped us create an even safer environment. But in addition to those safety benefits, our nursing staff appreciates the ability to view residents' location even when they are not in a high-risk situation.

- Donna Foster

RN Nurse Manager, Broadlawn Manor



RoamAlert Tag

Each resident requiring wander protection wears a RoamAlert radio frequency identification (RFID) tag that contains a unique ID number. The RoamAlert tag is one of the smallest and lightest on the market today, weighing less than a third of an ounce. The tag is worn on the individual's wrist or ankle and is attached using a tear-proof band. It is also compatible with the Securaband™, which provides a robust physical barrier to removal. It is waterproof, hypoallergenic and can be transferred from one person to the next.



Door Controller

Each identified exit is monitored by a door controller. This device generates a field, which defines the door coverage area for tags. When a tag enters the field while the door is open, a wander alarm is generated. If the door is closed, the door controller can activate an optional magnetic door lock to hold the door securely shut, and generate a Loiter Alarm if the resident does not move away from the door within 55 seconds. The door controller can integrate with existing access control systems to enable staff to escort a monitored resident through the exit. Two on-board relays enable the RoamAlert system to activate a range of other devices, such as strobes and sounders. The door controller is usually installed out-of-view above a drop-ceiling, and an extra antenna may be connected to enlarge the detection field to cover double doors or other wide openings.



Elevator System

This device is a door controller specifically designed to be installed inside elevators. The elevator system travels with each elevator car, containing the detection field within that car. An alarm condition within one elevator car will not impact the operation of other cars in the bank. Nuisance alarms from residents passing through the elevator lobby are eliminated. The operation of the elevator system is designed to make it easy for staff to escort a resident. When a tag is within detection range and the elevator doors are open, no alarm is generated for a few seconds to give the staff member time to enter their bypass code on the keypad inside the elevator. If a tag enters the elevator and is not bypassed, the elevator doors remain open and the elevator cab will not be allowed to travel.

Server

The server PC runs the RoamAlert software. It is physically connected to the door controllers, receivers and alarm integration modules via a network manager. Typically located at a nursing station, the server PC monitors and controls all system devices, and is used for configuring system operation. Additional client PCs can be connected throughout the facility over a local area network (LAN) to enable staff to monitor activity and perform basic functions. The system can be accessed from different locations simultaneously.

Software

The RoamAlert software displays facility floor plans and a resident census. Designed for ease-of-use, the software presents only task-critical information to the operator. Different levels of password access ensure security while allowing staff members to perform their jobs efficiently. User accounts can be created and authority assigned according to each facility's requirements. The software records all activity, including alarms, in a database; a variety of reports of system activity can be viewed onscreen or printed.



Pendant Tag

For staff members, the pendant tag can be used to automatically bypass an exit with a monitored resident without having to enter a passcode on the keypad, or initiate an action through the software. The system records the identity of the staff member and the resident. The pendant tag also enables an individual to call for assistance from anywhere within the coverage area of the RoamAlert system. When the individual presses the distress button on the front of the tag, a message is sent to the system and the identity of the person and their current location is displayed in the software. This application requires the use of receivers.



Asset Tag

The asset tag is used to locate and protect valuable mobile assets within your facility, such as keys to a cabinet. The tag sends a regular signal that is detected by the receivers. This information can be used to accurately track and locate equipment within the facility. The compact tag can be attached to a variety of assets and includes an anti-tamper mechanism to prevent unauthorized removal. The system can also generate an alarm if the tag is brought near a monitored exit without authorization, and when the battery power in the tag becomes low.

Receiver

The receiver is an optional device that enables resident locating with pulse-enabled RoamAlert tags. Typically installed in the ceiling, receivers are placed at regular intervals throughout the facility to pick up messages from tags when they are away from a door controller. This information is forwarded to the server PC along with the receiver's own unique identity. The server PC then automatically updates location information in the software. The server PC monitors the operation of each receiver to ensure a high level of operational confidence. If the receiver fails to operate for any reason, an alarm occurs in the software.

Alarm Integration Module

The alarm integration module is an optional device that provides additional inputs and outputs for the RoamAlert system to integrate external alarms and security devices. The RoamAlert software provides a variety of options to customize the operation of each connected device, including time-of-day functions and grouping by zone. A typical application might be monitoring windows to prevent a resident from leaving the facility.

Network Manager

The network manager connects the network of door controllers, receivers and alarm integration modules to the server PC over an Ethernet connection. This arrangement gives the facility greater flexibility to locate the PC in the optimum spot, while reducing cabling costs by piggybacking on an existing LAN. The network manager continues to manage the device network even if communication with the server PC is lost. All events are logged for up to 8 to 10 hours under the maximum network load and then passed to the server PC when a connection is re-established.