

SpiderAlert®

SpiderAlert Healthcare Security System

Emergency signaling at
the push of a button



Emergency signaling at the push of a button

A patient starts an argument with a nurse. A door to the ward is propped open for no apparent reason. It's late and the parking lot is poorly lit.

Something should be done before it happens.

Violence and the healthcare institution
Today, incidences of violence against healthcare workers are on the increase. Violence involving nurses, doctors and staff in healthcare environments has created a dramatic need for a more effective approach towards security for administration and personnel.

In the U.S. alone:*

Workplace violence is more likely to occur in the field of healthcare than any other industry. 51% of nonfatal assaults occurred in nursing homes, social services and hospitals. Most assaults involve hitting, kicking or beating and result in an average of five days away from work. A healthcare patient was the source of injury in 45% of the cases.

As many as 16,400 threats are made, 723 workers are assaulted and 43,800 are harassed while on the job every workday. (Workplace Violence Research Institute)

* National Institute of Occupational Safety and Health (NIOSH), Nonfatal Assaults in the Workplace

The SpiderAlert solution

The healthcare facility is one of the most difficult environments to protect. Healthcare facilities must be accessible to everyone, while protecting freedom of movement and safety of staff. The SpiderAlert Healthcare Security System,

developed and produced by Visonetix, reconciles these two important but conflicting objectives of accessibility and safety.

*SpiderAlert -
Because personal safety is
not a matter of chance.
It's a matter of choice.*

SpiderAlert for peace of mind

A safe working environment is the right of every employee. The SpiderAlert Healthcare Security System allows freedom of movement with minimum risk. This increases productivity by reducing days away from work from violence-related injuries, trauma and stress. SpiderAlert gives workers the comfort of knowing that, when the time comes, help will be close at hand. In addition, the system is easy to use and unobtrusive, so that there is no compromise between convenience and protection.

How SpiderAlert benefits administration

A safe facility provides many benefits to management. With SpiderAlert in place to provide protection, the risk of workplace violence, with its inherent the potential for liability, is also reduced. SpiderAlert is an open system. This means that the same SpiderAlert system that provides protection for personnel can also secure expensive equipment, computers and machinery with high inventory value. SpiderAlert can also be integrated into other systems. This can enhance and preserve the investment already made in other areas of security. The healthcare provider who chooses SpiderAlert protects staff, patients, visitors and the physical premises.

How does the SpiderAlert system work?

The SpiderAlert Healthcare Security System is an extremely flexible and cost effective emergency communication and signaling system based on patented dual technology that helps reduce risk to people, valuable assets and property. It enables faster and more efficient reaction to critical situations. The SpiderAlert system combines simplicity and user-friendliness with flexibility and advanced technology.

Small, lightweight and durable personal transmitters, small enough to fit on a keychain, can be carried or worn by staff. In time of need, the user simply presses the button on the transmitter. Once activated, the SpiderAlert system instantly relays critical information about who has signaled the alert and where they are.

SpiderAlert is not limited to personal alert signaling. The system can also incorporate asset protection and other alarm features. The same system that is used to protect staff can also send an alert when someone has entered a certain area after hours, when a pharmaceutical supply cabinet has been opened or if an expensive piece of medical equipment has been moved.

The use of dual technology – radio frequency and infrared (RF/IR) – enables the pinpointing of the exact location and identification of an event. The RF part of the transmitter is responsible for the identification of the person signaling, while the infrared gives the accurate location. Various outputs and devices, such as strobe lights, voice alerts and sirens can be triggered locally to further deter an attacker until help arrives. CCTV cameras and intercoms can also be triggered locally for alarm verification and recording.

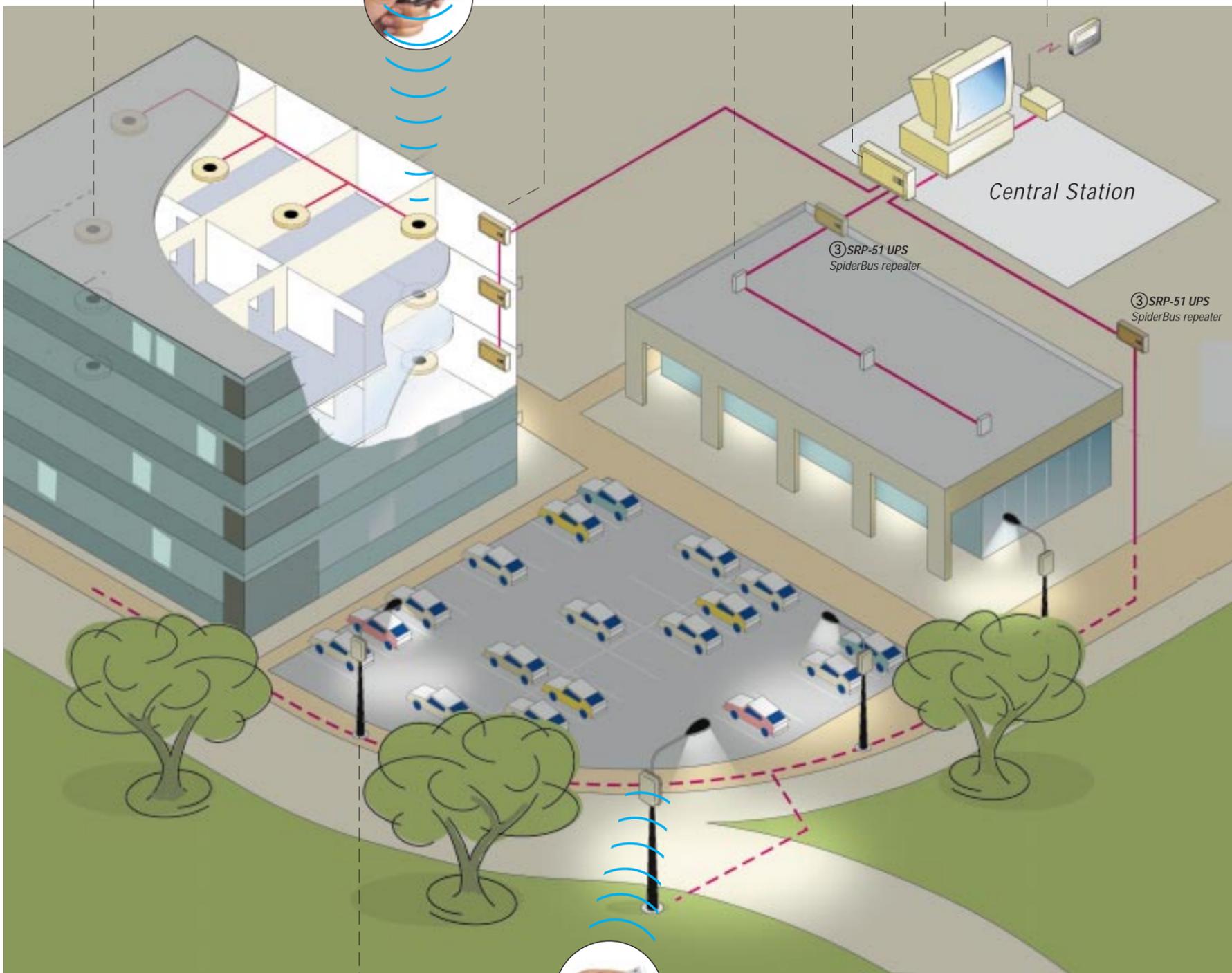
Multistory Installation

- ⑤ SR-520
Dual RF/IR receiver
- ① Dual technology transmitter
MCT/IR-201 WP S
Waterproof dual RF/IR transmitter

- ③ SRP-51 UPS
SpiderBus repeater

Single-level Installation

- ④ SR-500
Wireless receiver
- ② SLC-5 UPS
SpiderBus controller
- ① SAM-5
SpiderAlert software
- ⑦ Paging System
Paging transmitter



- ④ SR-500 - Wireless RF receiver
- ⑥ HK-2 - Outdoor housing

- ⑧ Wireless transmitters
MCT-201 WP S Waterproof transmitter
MCT-101, 102, 104 S Handheld transmitters

SpiderAlert Healthcare Security System Components

① Dual technology transmitter

MCT/IR-201 WP S
Waterproof RF/IR pendant transmitter
Waterproof version of the MCT/IR-201 S.

② Single technology transmitters

MCT-201 WP S
Waterproof, miniature pendant transmitter

MCT-101, 102, 104 S
Handheld transmitters

These are 1, 2, and 4-button, compact, multipurpose handheld transmitters. They may be fitted with a belt clip, or tucked conveniently inside a pocket or a purse

③ HK-2

Outdoor housing with optional heating
The HK-2 is an anti-vandal and waterproof housing that protects an SR-500 receiver located outdoors. The optional heating kit extends operation in extremely cold conditions.

④ SI-540 - 8-Output interface unit

SI-544 - 4-Input/4 output interface unit
SI-561 - 6-Input/1 output interface unit
These units send 8-bit ID codes to the SpiderAlert head-end computer, in order to identify the reporting unit, the specific reporting input and the specific reported event type, for registration and for automatic response.

⑤ Paging System

This part of the system enables the sending of a message indicating an event and its location to a pager carried by a person on site. The system includes paging software, a local paging transmitter and alphanumeric pagers for the guards.

System components:

① SAM-5
SpiderAlert Manager software program
SAM-5 handles event messages and transfers commands to the SLC-5 controller.

② SLC-5 UPS
SpiderAlert controller
This network controller functions for data collection and as a computer interface.

③ SRP-51 UPS
SpiderBus repeater
This repeater is used to extend and segment the bus length for better control and diagnostics. Comes with power supply unit.

④ SR-500
Wireless receiver
This receiver is an interface unit between SpiderAlert wireless transmitters and the SpiderBus. Transmitter and receiver ID combination indicates source and location of an event in single level indoor and outdoor installations.

⑤ SR-520
Dual RF/IR receiver
This receiver is an interface unit between SpiderAlert dual RF/IR wireless transmitters and the SpiderBus. Transmitter and receiver ID combination indicates source and accurate location of an event in multistory indoor installations.

How does the Spider Alert System work ?

Dual RF/IR Receiver
Dual RF/IR receiver connected to the SpiderBus enables pinpointing the exact location and identification of the event.



2

Central Station

The central station receives the event, the sender's ID and the location, and activates an alarm or notifies security.

3



4



Security Guard

Security personnel responds to the event signal.

1



Care Provider

Event signal is sent to receiver by a care provider at the press of a button.

SpiderAlert®

SpiderAlert Healthcare Security System

Designed by Visonetix especially for personal security,

This Healthcare Security System is part of the SpiderAlert Personal Signaling System, which is a network of wireless and wired security devices and specialized wireless detectors that provide press-of-a-button solutions for personal protection. The system can identify the source and location of events for a quick and accurate response. It is affordable, easy to install and cost-efficient to operate. Time can be saved and installation costs can be reduced by integrating SpiderAlert wireless detectors. SpiderAlert is fully scalable for easy system expansion.

Visonetix, together with Visonic Ltd, with more than 25 years creating and producing quality security products, developed the SpiderAlert Healthcare Security System to fulfill a need in the field for a superior monitoring system. Continual development of the system ensures that SpiderAlert will meet your security needs now and in the future.

*SpiderAlert signaling network system:
US Patent No. 5661471*

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 **Visonetix**
Security and Control Networks