SpiderAlert®

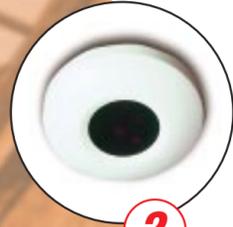## How does the Spider Alert System work ?

Central Station
The central station receives the event, the holder ID and the location and activates an alarm or notifies security.

Dual RF/IR receiver
Dual RF/IR receiver connected to SpiderBus enables pinpointing the exact location.

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Personnel
Event signal is sent to receiver by personnel at the press of a button.

Security Guard
Security personnel respond to the event signal.

SpiderAlert®
Personal Security System

Designed by Visonetix especially for personal security
The SpiderAlert Personal Signaling System provides a network of wireless and wired security devices and specialized wireless detectors for personal protection particularly in educational and healthcare facilities and in correctional institutions. It is affordable, easy to install and cost-efficient to operate. By integrating SpiderAlert wireless detectors, time can be saved and installation costs can be reduced. With SpiderAlert, assistance can be summoned or an alarm can be sent at the press of a button. The system can identify the source and location of events for an instantaneous and accurate response. SpiderAlert is fully scalable for easy system expansion.

Related material:
Building Security System Overview
Assisted Living System Overview

Visonetix, together with Visonic Ltd, with more than 25 years creating and producing quality security products, developed the SpiderAlert Personal Signaling 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.

Emergency signaling at the press of a button

Visonic Group Companies

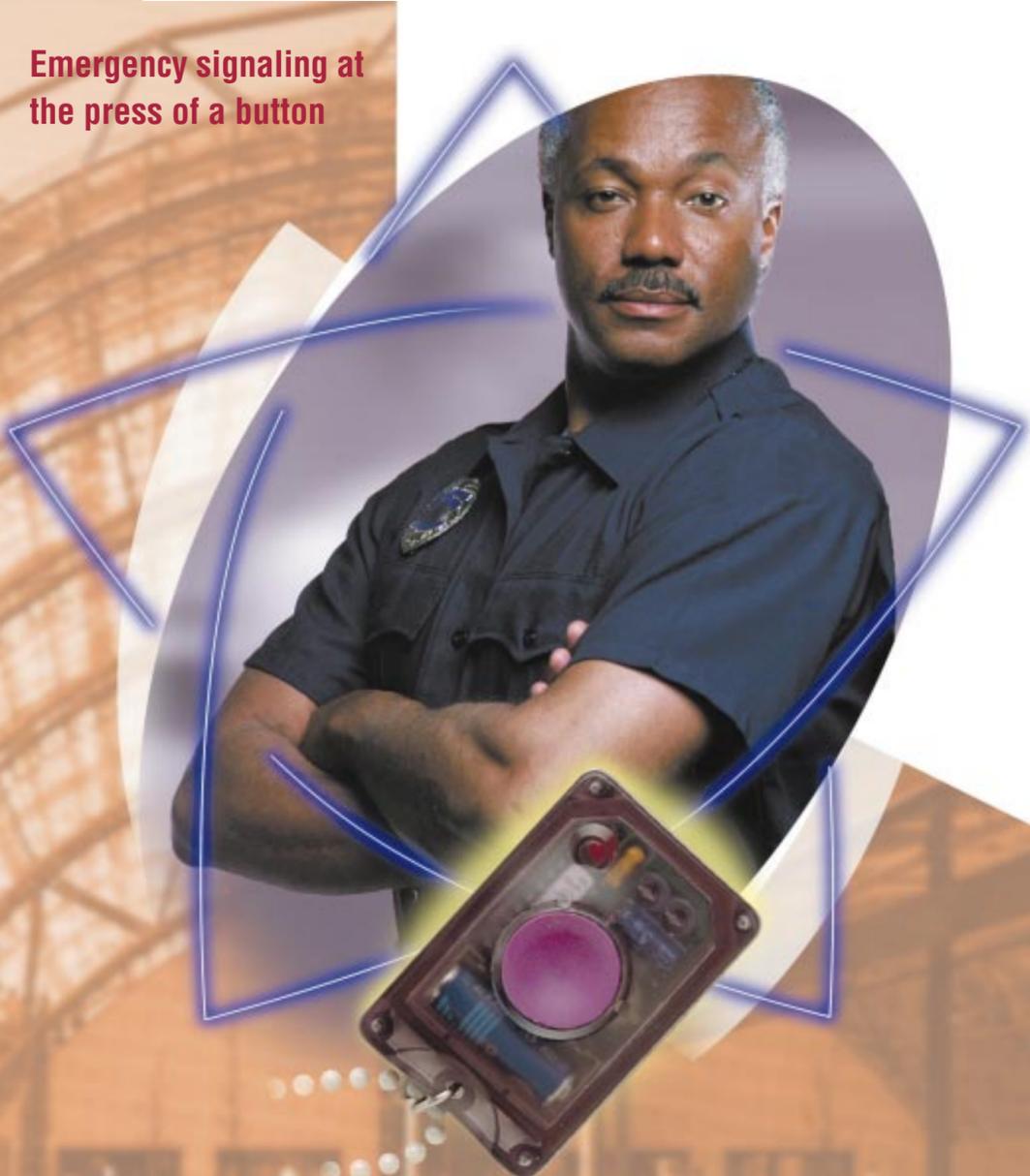| Visonic Ltd	Visonetix Ltd
Visonic Inc	VSI (Visonic Systems Inc.)
Visonic GmbH	Visonic (UK) Ltd
Visonic (Uruguay) Ltda	Visonic IbÈrica
VisAccess	Visonic Ltd Singapore Representative Office

Companies in this column represent
SpiderAlert

www.visonetix.com

▬ Visonetix
Security and Control Networks

SpiderAlert®
Personal Security System

Emergency signaling at the press of a button

▬ Visonetix

SpiderAlert®
Personal Security System

Emergency signaling at the press of a button

If personal security is a necessity in your work environment, you want a system that will respond quickly and reliably to emergency signals. You know that you have a responsibility to provide your employees, clients or patients with a system that keeps communication lines open under duress. The SpiderAlert Personal Signaling System was developed to give you that capability in correctional, educational and healthcare applications..

The best response to duress is the SpiderAlert Personal Signaling System

SpiderAlert is a network of reliable, quality products linked along a bus to a centrally located central station monitoring system. A variety of dual and single technology wireless and hardwired transmitters are located in strategic locations and integrated with the central station.
With SpiderAlert you can feel assured knowing that you have installed the best emergency signaling and control system. Whenever an alarm signal is sent by any of the many SpiderAlert devices available, it is received, via a personal computer, to the central station receiver, where an experienced operator provides the proper prompt response. This response is generally used to dispatch or alert a security guard, a nurse or a caregiver to the location of the event. All events are logged in the central computer..

Now you can provide them with effective and reliable personal security

Dual technology for greater signal assurance
The dual technological capabilities of many of the SpiderAlert personal signaling transmitters make them extremely accurate and effective. A small, lightweight and durable personal signaling device can be carried or worn. The use of dual technology radio frequency and infrared (RF/IR) enables pinpointing the exact location and identification of an event. The RF part of the transmitter is responsible for the identification of the person sending the signal, while the infrared gives the accurate location.

Personal security can mean different things ...So we designed three specialized systems

SpiderAlert Campus Security System for educational facilities
The dramatic rise of crime on campus has put personal security on the map. Teachers, professors, staff and even students who work in isolated locations or stay late on campus can hold a pendant or keychain transmitter to signal to the system for help. The system will identify the person signaling and his or her location.

SpiderAlert Duress Signaling System for correctional institutions
Guards in correctional institutions run the risk of assault. Portable belt-clip or keychain transmitters can help save lives. A specialized man-down transmitter that can be clipped to a guard's belt can notify the system, if a guard has fallen. It also has a pull cord that sends a signal, if someone attempts to pull the transmitter away from the guard.

SpiderAlert QuickCare Signaling System for healthcare facilities
Physicians, nurses, caregivers and patients alike will benefit from a specially devised SpiderAlert system for healthcare. Belt-clip or keychain transmitters carried by care providers can signal for help if harassed or threatened.

In assisted living applications, wireless wristband and pendant push-button transmitters can be provided to patients so that they too can summon help wherever and whenever they need it. The system specifies the identification and location of the transmitted signal for quick response.

The SpiderAlert Personal Signaling System is a network that has been created for the future. It can always be expanded, updated and upgraded, even after only the most basic parts of the network have been installed.

Visonetix

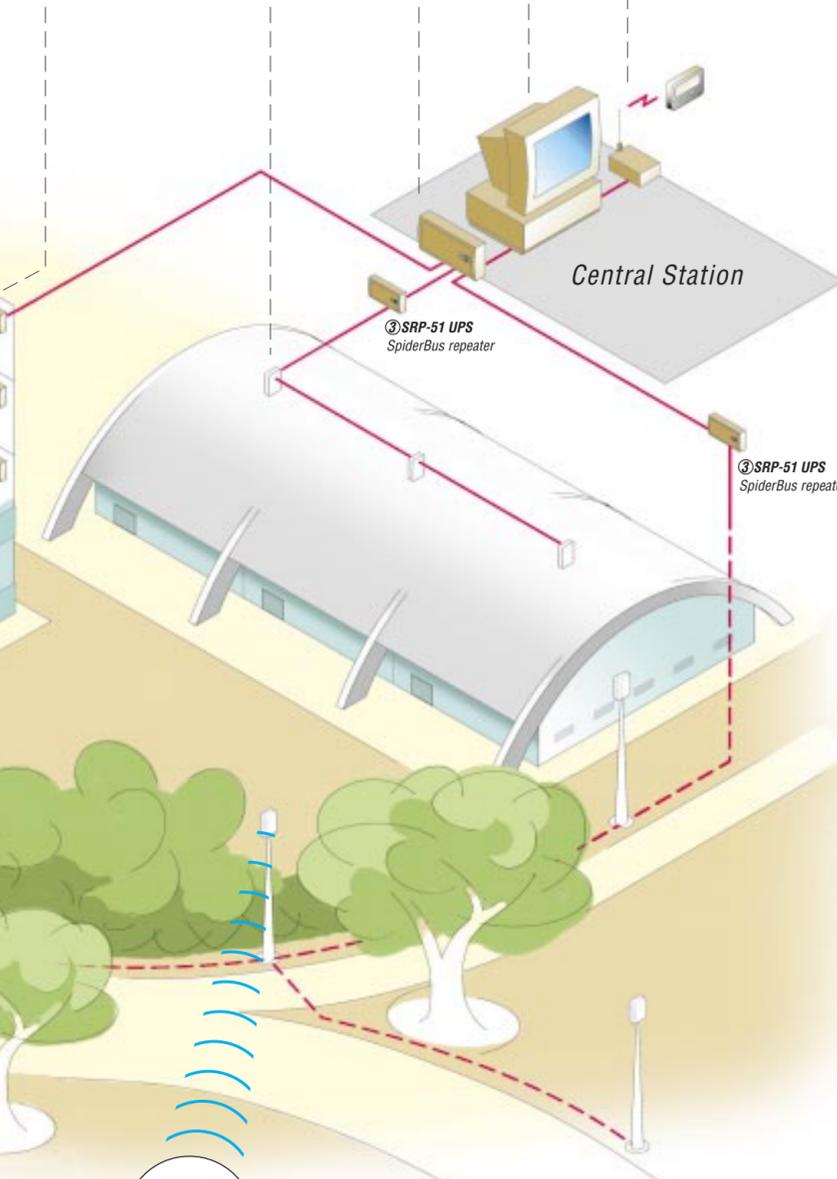**Multistory Installation**

⑤ *SR-520* Dual RF/IR receiver
⑥ *SR-521, 522* Dual RF/IR master/ slave receivers
Ⓐ *Dual technology transmitters*
MCT/IR-201 S - Dual IR/RF transmitter
MCT/IR-201 WP S - Waterproof dual RF/IR transmitter
MDT-122 S - Man-down 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
⑧ *Paging System* Paging transmitter

Central Station

③ *SRP-51 UPS* SpiderBus repeater

③ *SRP-51 UPS* SpiderBus repeater

Ⓑ **Wireless transmitters**
MCT-101, 102, 104 S - Handheld transmitters
MCT-201 S - Pendant transmitter
MCT-201 WP S, AT S - Waterproof and airtight transmitters
MCT-211 S - Waterproof wristband transmitter
MCT-100 S - Universal wireless transmitter

③ *SR-500* - Wireless RF receiver
③ *HK-2* - Outdoor housing

SpiderAlert Personal Security System Components

Ⓐ *Dual technology transmitters*

MCT/IR-201 S
Miniature IR/RF transmitter
MCT/IR-201 S is a miniature IR/RF transmitter for alert messages. It allows the target receiver to pinpoint the location of the transmission. It is supplied with a neckchain and a key ring.

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

MDT-122 S
Man-down transmitter
The MDT-122 S is an IR/RF transmitter used by security personnel for automatic man-down signaling. A built-in tilt switch activates the man-down transmitter, when the carrier is knocked down or when the transmitter tilts by more than 60° from a vertical position. It also has an emergency pull cord that can be attached to the carrier's belt.

Ⓑ *Wireless transmitters*

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.

MCT-201 S
Miniature pendant transmitter
When activated, the MCT-201 S transmitter sends a 24-bit ID code and an identifiable alarm code. It is supplied with a chain and a key ring.

MCT-201 WP S
Waterproof, miniature pendant transmitter
Waterproof version of the MCT-201 S.

MCT-201 AT S
Airtight, miniature pendant transmitter
Airtight version of the MCT-201 S, with 5-year battery. Transmitter cannot be opened.

MCT-211 S
Waterproof wristband transmitter

MCT-100 S - Universal wireless transmitter
This fully supervised wireless transmitter is used for connecting wired push-buttons into a wireless system.

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.

⑥ *SR-521, 522*
Dual RF/IR master/slave receivers
These two receivers are an economical way to interface between dual RF/IR wireless transmitters and the coverage of several adjacent rooms by the SpiderBus. Transmitter and receiver ID combination indicates source and accurate location of an event in multistory indoor installations.

⑦ *HK-2*
Outdoor housing with optional heating kit
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.

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.

⑧ *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.