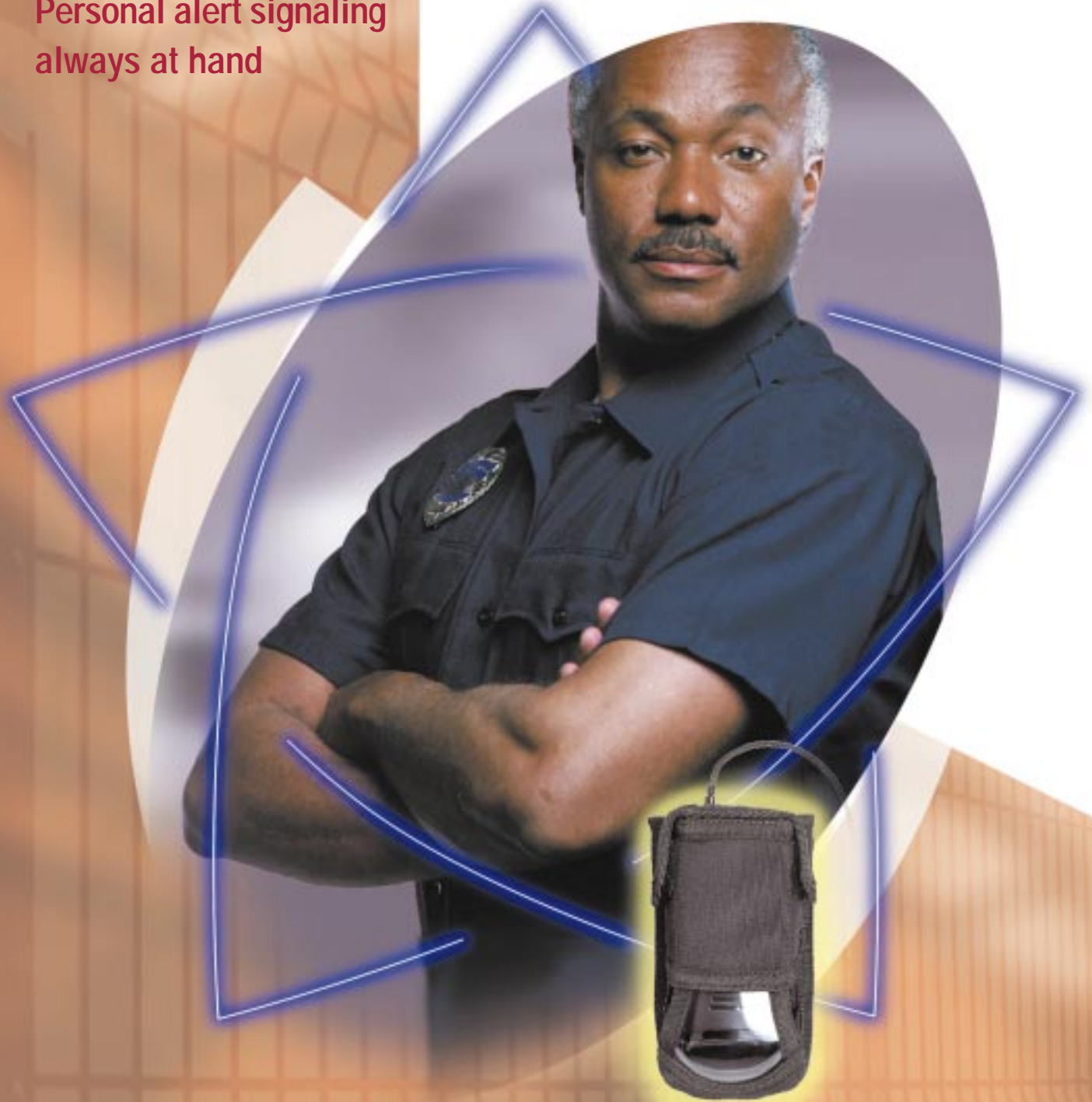


SpiderAlert[®]

Emergency Signaling System for Correctional Institutions

Personal alert signaling
always at hand



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An officer or staff member is attacked. A secure area is entered after hours. The supervisor making his rounds has not checked in. Something in your building controls is not right.

You need to take action fast.

Meeting the security challenge with the SpiderAlert Emergency Signaling System

One of the key challenges facing security at correctional institutions is the provision of reliable panic devices that can accurately identify and locate an officer or staff member under duress. An officer or staff member under attack needs immediate help. This system addresses all of the key elements for securing help: identifying the person in trouble, where he or she is located, immediate information transfer to responding personnel, wireless acknowledgment from responding personnel, integration from the alarm into existing systems and what to do.

SpiderAlert is the reliable answer to increased safety and control in correctional institutions.

The dual technology solution

The SpiderAlert system uses accurate locating technology, utilizing both radio frequency and infrared signals. RF technology provides the approximate location of duress signals, while IR identifies the specific location with line-of-sight detection. Location of duress signal can be narrowed down to a small area within a facility and is generally designed to be "room specific". The unique blend of RF and IR technologies ensure that signals cannot be blocked or affected by changes in the environment or in the event that transmitters are covered.

How does the SpiderAlert system work?

The SpiderAlert system, made by Visonetix, provides corrections officers with a special "officer-down" transmitter called the MDT-122 S. Staff members can be provided with small, inexpensive wireless panic buttons. Numerous hardwired buttons can also be connected to the system. Users can request assistance whenever they need it, in any area that is protected, conveniently and economically. Specialized locating devices are strategically placed in critical areas throughout the facility. Whether inside or outside, in large and small areas, the locator devices are extremely accurate and effective. Once activated, the SpiderAlert system instantly relays real-time critical information about the identity and location of the sender to security personnel. Various outputs and devices, such as audible alarms, strobe lights, voice alerts, sirens or even CCTV cameras and intercoms can be triggered to further deter an attacker until help arrives. The

system can be configured according to need. It is affordable, easy to operate and cost-efficient to operate. Time can be saved and installation costs reduced by integrating SpiderAlert wireless detectors.

Advantages of the SpiderAlert Emergency Signaling System

- Safety and control for officers and staff and peace of mind for management
- Quick, round-the-clock support for each officer throughout the facility
- Events recorded on a PC for control
- Manual and automatic call for support, in case of emergency
- Easy-to-use transmitters
- Instant message paging
- Indoor and outdoor wireless coverage
- After-hours activity and inactivity reporting
- Critical asset control using wireless or hardwired devices
- Fence alarm/control integration
- Camera control interface
- Building control interface using wireless or hardwired inputs

 **Visonetix**

SpiderAlert Personal Security System Components



Dual technology transmitters

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



(B) MDT-122 S
Automatic 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.



The "Man-Down" MDT-122 S automatic personal security transmitter
 Correctional institutions need to also provide officers at risk with a specialized signaling device. Visonetix developed the MDT-122 S, a unique personal security transmitter. Alarm signals of the MDT-122 S are activated in the following events:

Panic: The guard presses two buttons together to summon for help.

Man-Down: An automatic alarm transmission occurs, if the officer goes down. This happens when the unit is tilted at an angle of more than 60°.

Pull-Cord: An alarm transmission occurs, if the attacker pulls the unit while it is still attached to the officer or if the officer intentionally pulls the cord.

(C) Single technology 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-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) Wireless Repeater
 This repeater allows two-way wireless message transfer from outdoor areas to the local monitoring center. The repeater is in an outdoor plastic box and includes an SR-500 RF receiver, a long range spread spectrum wireless repeater, power supply and optional heating kit. The repeater in the center connects to the PC's RS-232 port.



(7) 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.



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.

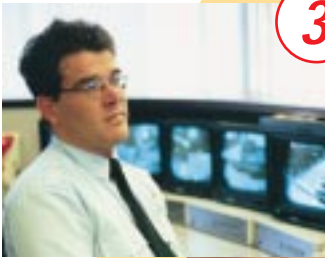


(6) Wireless Repeater

How does the Spider Alert System work ?

Central Station

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



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



Security Guard

Other security personnel respond to the event signal.



Officer

Event signal is sent to receiver by an officer or staff member at the press of a button

SpiderAlert®

Emergency Signaling System for Correctional Institutions

Designed by Visonetix especially for personal security

This Emergency Signaling System for Correctional Institutions is a part of a general 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 an instantaneous 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 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.

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

Personal alert signaling always at hand

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Security and Control Networks