Healthcare Positioning Tag

Description

The Elpas Healthcare Positioning Tag is a miniature, unified active long-range Radio Frequency (RFID) & Infrared device that is an effective cost containment and risk management tool for acute care hospitals, geriatric care clinics; long-term nursing care facilities or pediatric units.

The Healthcare Positioning Tag is designed for patient and medical personnel identification as well as real-time monitoring and locating of patients or critical care medical personnel. The tag features a large oversized button (some models) for one-touch wireless emergency call or duress alert functionality to ensure complete 24/7 patient or personnel supervision.

The tag's all-in-one, dual technology transmitter continuously emits low power, UHF (433.92MHz) beacon type radio frequency (RF) messages as well as safe, supplemental infra-red (IR) messages (optional) that identifies the real-time location of patients or medical personnel without EMF interference to hospital equipment. These same RF/IR technologies also continuously broadcast the operational status of the tag (such as its battery state or whether or not the device has been tampered with or removed). Additionally, the tag's onboard magnetic low frequency (LF) receiver (125KHz) adds chokepoint area detection so whenever a patient nears a prohibited exit/entrance covered by an Elpas LF Exciter a security intervention alarm is raised.

Made of tough non-allergenic, non-toxic ABS thermoplastic, the Healthcare Positioning Tag is shower and bath proof (IP66 rated outer casing), contains no moving parts and may be cleaned with most hospital grade non-alcohol based cleaning agents.

The tag may be worn as a bracelet using either the *WTA standard watch band or hospital wrist band and also as a necklace when attached to the *WTA pendant lanyard.

* WTA pendant lanyards, watch or wrist bands need to be ordered separately.

Product Features

Dual RF/IR signaling technologies
Onboard magnetic LF receiver
No EMF interference with hospital equipment
Small tag size & weight - No moving parts
Shock proof, IP66 water resistant outer casing
Single-button nurse call/duress alert functionality
Instant tamper/removal indication
Watchband, disposable wrist band, pendant options
Lithium long-life (up to 4 years) replaceable battery
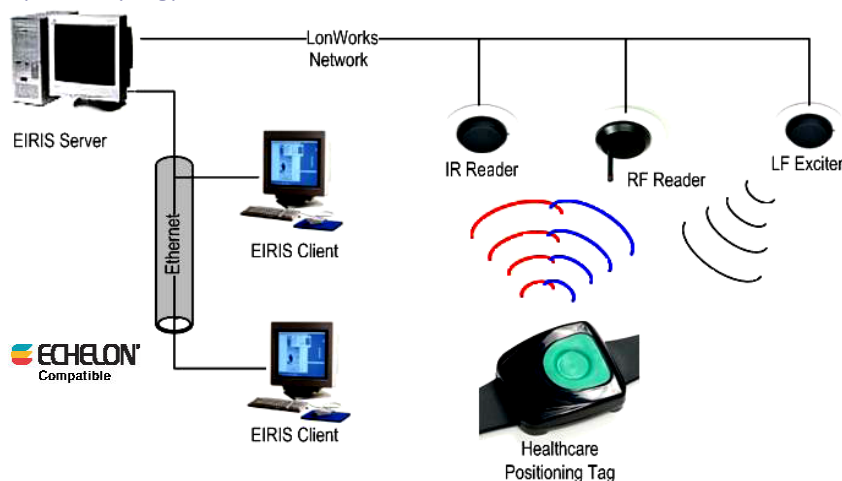CE and FCC compliant

Applications & Uses

Personnel and patient identification
Real-time lost patient tracking
24/7 patient and/or personnel supervision
Caregiver location finding
Exit/Entrance proximity alert notifications
Duress staff alarms, patient nurse call
Wandering patient monitoring
Hands-free access control
Efficiency and response reporting

Healthcare Positioning Tag– Data Sheet

Technical Specifications	
Radio Technologies	IR, RF (433.92 MHz) and LF (125KHz)
RF: (In-motion / Stationary)	Supervision messages every 10 seconds / 60 seconds
IR: (In-motion / Stationary)	Supervision messages every 5 seconds / 60 seconds
RF Transmission Rate upon entry into LF area	6 IR/RF transmissions (each transmission @ 2ms in duration), 0.5 seconds apart. Then every 10 seconds as when in motion.
Button Press / Release	4 IR/RF transmissions (each transmission @ 2ms in duration), 400 ms apart
Power Source	One 3V/280mAh Lithium Battery, type:CR2430

Battery Life *(Assuming badge is in-motion 9 hours per day 7 days per week)*	With Optional IR Transmitter	Without Optional IR Transmitter
	1 Year	3 Years
	Aapproximately 4 years with customized functionality	

Visual Indicator	Red LED specifics button press and release
Badge ID	Unique factory programmed ID

General Specifications	
Construction	Black on-allergenic, non-toxic ABS thermoplastic
Dimensions (H x W x D)	34cm x 40cm x 15cm (1.3 inches x 1.6 inches x 0.6 inches)
Weight (assembled)	20 grams (0.75 ounces)
Operating Environment	0°C to 50°C (0°F to 122°F); Humidity: 100% non-condensing
Housing	IP66 water rated enclosure
Remote Management	EIRIS 4.5 (or higher) enterprise software
Compliance Standards	EN 300 220-3, EN301 489-03, EN50130-4:95+A1(98) +A2(03), EN60950-1:01, 60601-1-1 Safety, 60601-1-2 EMC, FCC Part 15.231
Warranty	1 year limited warranty (excluding battery)

All specifications are subject to change without notice.

System Topology

Office Locations

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Ordering Information

Part Number	Description
5-WTA000433	Healthcare Positioning Tag, IR/RF/LF, 433MHz, 5/10/60
5-WTA000433-1	Healthcare Positioning Tag RF/LF,433MHz, 10/60
5-WTA000433-2	Healthcare Positioning Tag, Disabled Button TX, IR/RF/LF,433MHz, 10/60
5-WTA00433-B	Healthcare Positioning Tag, Disabled Button TX, RF/LF,433MHz, 10/60
5-WTA09433	Dummy Healthcare Positioning Tag with Watch Band

Accessories

Part Number	Description
5-WTA90010	WTA Watch Band (set of 5)
5-WTA90002	WTA Pendant Lanyard (set of 5)
5-WTA90004	WTA Replacement Omega Rings (set of 20)
5-WTA90005	WTA Replacement Covers (set of 5 with 4 screws)
5-PB063011	Disposable Clincher Wrist ID Band (set of 50)
5-BC012430	3V Lithium Battery, CR 2430 (pack of 25)

About Visonic Technologies

Visonic Technologies is a global leader in unified active RFID/RTLS solutions. The company caters to the needs of industries and institutions where the real-time identification and location tracking of people and/or mobile assets is mission critical to their internal security and safety operations.

Manufactured In Israel

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