

Healthcare Positioning Tag

Description

The EZ Key™ Healthcare Positioning Tag is a miniature, unified active long-range Radio Frequency (RFID) and Infrared device that is an effective cost containment and risk management tool for acute care hospitals, geriatric care clinics and 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 button (in 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 infrared (IR) messages (optional) that can be used to identify the real-time location of patients or medical personnel without EMF interference to hospital equipment as well as the operational status of the tag (such as the state of its battery). Additionally, the tag's onboard magnetic low frequency (LF) receiver (125KHz) adds chokepoint area detection so whenever a patient nears a prohibited entrance/exit covered by an EZ Care™ 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 (IP-66 water-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*.

***Note:** WTA pendent lanyards, watch or wrist bands must be ordered separately.



Healthcare Positioning Tag with Reusable Wristband with Buckle



Healthcare Positioning Tag with Reusable Wristband with Lock

Product Features

- Onboard magnetic LF receiver
- No EMF interference with hospital equipment
- Small tag size and weight; no moving parts
- Shock-proof; IP-66 water-resistant outer casing
- Single-button nurse call/duress alert functionality
- Watch band, disposable wrist band and pendant options
- Long-life (up to 4 years) lithium 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
- Entrance/exit proximity alert notifications
- Duress staff alarms, patient nurse call
- Wandering patient monitoring
- Hands-free access control
- Efficiency and response reporting

EZ Key™ Healthcare Positioning Tag – Confidential Technical and Product Specifications

Technical Specifications	
Radio Technologies	IR, RF (433.92 MHz) and LF (125KHz)
RF (Motion / Stationary):	Supervision messages every 10 seconds / 60 seconds
IR (Motion / Stationary):	Supervision messages every 5 seconds / 60 seconds
RF Under LF	6 IR/RF transmissions (each transmission about 2ms in duration), 0.5 seconds apart; every 2 seconds; after 10 minutes returns to 10 seconds when in motion or 60 seconds when at rest.
Button Press / Release	4 IR/RF transmissions (each transmission about 2ms in duration), 400 ms apart
Power Source	One 3V / 280 mA lithium battery, CR2430
Average Battery Life	With Optional IR Transmitter: 1 year Without Optional IR Transmitter: 3 years Customized functionality: Approximately 4 years (All assuming badge is in motion 9 hours per day, 7 days per week)
Visual Indicator	Red LED specifies button press and release
Badge ID	Unique, factory-programmed ID
General Specifications	
Construction	Black, non-allergenic, non-toxic ABS thermoplastic
Dimensions (H x W x D)	34 x 40 x 15 cm (1.3 x 1.6 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	IP-66 water-rated enclosure
Remote Management	EIRIS 4.5 (or higher) enterprise software
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.

Ordering Information

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

Selected Compatible Accessories

Part number	Description
5-WTA90007	Reusable medical grade wristband with lock (5 Pcs.)
5-500130	Lock pin removal magnet
5-WTA90010	Wrist Band with Buckle (set of 5)
5-WTA90002	WTA Pendant Lanyard (set of 5)
5-WTA90004	Omega Pin Replacement Kit (20 pins)
5-PB063011	Disposable Clincher Wrist ID Band (set of 50)
5-WTA90005	WTA front panel replacement (set of 5)
5-BC012430	3V/300mAh Lithium Battery, CR 2430 (pack of 25)

For a complete list of compatible accessories, please contact your local Sales Representative.

About FIRETEC

FIRETEC is a privately owned Alberta company, offering a fully integrated suite of technological innovations with applications in today's health care environment. We stand behind our products, and we are proud of our reputation.

In 1988, we pioneered the first wireless nurse call system in Canada, and have since led the way in wireless integrations. We partner with other outstanding companies to access the best technology and deliver proven results.

Our mission is to create technology solutions that make life easier and safer for today's aging population, while still respecting seniors' desire for dignity and independence. We offer a complete solution to all your health safety and security needs.