

High Risk Patient Bracelet

Description

The EZ Find™ High Risk Patient Bracelet is a unified active long-range Radio Frequency and Infrared device, intended for the monitoring and tracking of patients who show signs of 'Elopement' and/or 'Wandering' in acute-care hospitals, psychiatric units or geriatric facilities.

The bracelet which, may be attached to the high-risk patient at the time of admission is comprised of an EZ Find™ Active RFID Reusable Tag and a disposable adjustable wrist band made of skin-safe, non-latex material.

The tag's onboard RF/IR dual technology transmitter emits low power, UHF (433.92MHz) beacon type radio frequency (RF) messages plus supplemental infrared (800nm) messages that can be used to determine the real-time location of the patient to room level and sub-room level precision in open and enclosed indoor spaces without EMF interference to hospital equipment. The tag also transmits continuous device supervision messages that can indicate deliberate or accidental device tampering or removal by the patient.

Additionally the tag features a magnetic low frequency receiver (125KHz) that adds chokepoint area detection so that whenever the patient is physically near a prohibited exit/entrance covered by an EZ Care™ LF Exciter security intervention alerts may be triggered.

The EZ Find™ High Risk Patient Bracelet is bath/shower proof (IP-67 water rated), simple to use and easy to clean. Powered by single internal lithium battery, the tag's new low power design ensures more than three years of maintenance-free patient deployments.



EZ Find™ High Risk Patient Bracelet



Product Features

- Triple RF/IR/LF signaling technologies
- Tough, field-proven hospital design
- Visual tamper/removal/low battery indication
- Adjustable, latex-free, disposable wrist bands
- Bath/Shower proof (IP-67 water rated)
- Simple to use, easy to clean & disinfect
- Three years average battery life
- CE, FCC, IC approved

Applications & Uses

- Real-time patient ID certification
- 24/7 high-risk patient tracking
- Wander patient supervision
- Court committed patient monitoring
- Real-time lost patient tracking
- Patient handling and auditing
- Exit/Entrance supervision
- Hands-free access control

EZ Find™ High Risk Patient Bracelet – Confidential Technical and Product Specifications

Electrical Specifications	
Signaling Technologies	RF (433.92 MHz).... IR (880nm)....LF (125KHz)
RF: (Motion/Stationary)	Supervision messages every 10 seconds/ 60 seconds
IR: (Motion/Stationary)	Supervision messages every 10 seconds/ 60 seconds
RF Upon Entry into LF area	Burst of 3 RF transmissions (each transmission @ 2ms in duration), 0.5 seconds apart
RF under LF	2 seconds; after 10 minutes returns to 10 seconds when in motion or 60 seconds when stationary
LF Timeout	Transmits 3 non-LF messages after not hearing from LF for this amount of time
Time to Idle	10 seconds
Events: Band Closed (B2 up) Band Opened/Tamper (B2 down) Low Battery	3 IR/RF transmissions (each transmission @ 2ms in duration), 400ms apart.
Power Source	Internal 3V/600mAh Lithium battery
Average Battery Life (Assuming tag is in-motion 7 hours per day, 7 days per week)	Dual RF/LF: 3 years Triple RF/IR/LF: 2 years
Red LED Indicator	Low Battery: Flashes once every 10 seconds Upon Entry into LF Area or Exit out of LF Area: Flashes twice Band Closed/Band Opened: Flashes twice
Badge ID	Unique factory programmed ID

General Specifications	
Construction	Grilamid nylon
Dimensions (H x W x D)	39.4 X 31.5 X 14.8 mm (1.55 x 1.24 x 0.582 inches)
Tag Weight	15 grams (0.5 ounces) approximate
Operating Environment	Temp: -10°C to 70°C (14°F to 158°F), Humidity: 20% to 80% non-condensing
Water Rated Enclosure	Tag: IP-67/Complete Bracelet: IP-55
Remote Management	EIRIS 4.5 (or higher) enterprise software
Standards	EN300 2220-1 & 2 EN 301 489-1&3, EN60601-1-2, CISPR 11:2004 Class B, IEC 61000-4-2 & 4-3 FCC Part 15.231 Level C, FCC ID: 04X5-BTD0043, IC ID: 1467G-BTD00433
Warranty	1 year limited warranty (excluding battery)

All Specifications are subject to change without notice.

Ordering Information

Part number	Description
5-BTD00433	Reusable Tag, WR IR/RF/LF, 433MHz, 10/10/60
5-BTD90433	Package of 10 Reusable Tags, WR IR/RF/LF, 433MHz, 10/10/60 includes 2 extractors
5-BTD00433-5	Reusable Tag, WR, IR/RF/LF, 433MHz, 5/10/60
5-BTD00433-1	Reusable Tag, WR, RF/LF, 433MHz, 10/60
5-BTD90433-1	Package of 10 Reusable Tags, WR, RF/LF, 433MHz, 10/60 includes 2 extractors

Selected Compatible Accessories

Part number	Description
5-BTC90001-2	Disposable Tamper Band, Adult Small 30cm/12.0 inch maximum diameter, (25 units)
5-BTC90001-3	Disposable Tamper Band, Adult Medium 34cm/13.0 inch maximum diameter, (25 units)
5-BTC90001-4	Disposable Tamper Band, Adult Large 38cm/15.0 inch maximum diameter, (25 units)
5-BTC90003	Extractor Tool (10 units)
5-BTC90006	Grip key w/lanyard (5 units)
5-BTC09433	Dummy Reusable Tag

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.