CenTrak Staff Badge IT-744 & IT-744E*

CenTrak Staff Badge IT-744
- CenTrak Gen2IR™ Technology for room and bed-level accuracy
- Three customizable buttons
- System controlled LED
- Ultra thin (only 3.8 mm) and light weight
- Audible alert functionality
- Shape and size of a standard hospital issued badge
- Hole mounts for portrait or landscape to wear behind a standard badge
- Water resistant and easy to clean
- Long battery life

CenTrak Staff Badge IT-744E
- All the features and benefits of IT-744, plus it also includes a Low Frequency (LF) sensor.
- Designed to be used with CenTrak's Low Frequency Monitors to create choke points and with CenTrak's Hand Washing Monitors.

Today's hospitals have a critical need to locate personnel throughout their facilities. They require a reliable RTLS to optimize patient care and ensure the safety of its personnel. The CenTrak staff badge was developed to meet this need and includes several unique features that improve upon legacy staff locating technology.

The CenTrak Staff Badge can be mounted onto the loop used to hold a standard hospital-issued employee badge. The Staff Badge is designed to stay with the caregiver, thus eliminating the need for separate processes that require daily tagging of personnel. It is water resistant and can be easily cleaned. Each Staff Badge has three customizable buttons that can be assigned based upon the RTLS use case.

About CenTrak Gen2IR™ Technology
The CenTrak core RTLS differs from legacy systems with its combined use of a patented second-generation infrared (Gen2IR™) and active-RFID technology. Battery-powered Monitors transmit a unique room number using Gen2IR which is received by any tag in that room. The tag communicates the room number and its own unique ID via RF to the CenTrak Location Server using a hospital's existing wired or Wi-Fi network, where it can be accessed in real-time by hospital personnel and integrated with third party solution providers.

Similar to light, Gen2IR will not pass through walls and does not suffer from traditional infrared line-of-sight limitations. Therefore, when a tag reads a room number, there are no errors. This is certainty-based RTLS. Unlike estimation-based information, certainty based location data can be used by hospitals to make important improvements to process flow and automate decision making. Most healthcare workflow improvements can only be realized when the location data is certainty-based.

IT-744 and IT-744E are for use with the CenTrak 2.0 system. Order IT-741 for use with 1.0 system.

CenTrak, Inc.
5 Caufield Place, Suite 102
Newtown, PA 18940
t: 215-860-2928
e: sales@centrak.com
www.centrak.com

CenTrak Staff Badge IT-744 & IT-744E*
Technical Specifications

Operation

FCC Operating Frequency Range	902-928 MHz
CE Operating Frequency Range	868-870 MHz
Low Frequency Sensor (125 KHz)	Optional (IT-744E only)
Group code & tag ID codes	8M codes
Outdoor transmission range	> 300 feet
Average transmission power	2 uW (average)
Smart tag features	3 buttons, LED, low battery, audible alarms
Motion Sensor	YES

Mounting/Attachment Options

Loop (portrait or landscape)	Fits standard employee badge mounting
Lanyard	(optional)

Tag Dimensions

Case length	3.40 in (86 mm)
Case height	2.125 in (55 mm)
Case width	0.15 in (3.8 mm)
Case weight	(with battery) .90 oz (25.5 g)
Construction	ABS & Poly Carbonate mixture

Environmental

Operating Temperature	0 C to +70 C
Storage temperature	-25 C to +80 C
Sealing	Splash resistant

Power

Battery type	Lithium CR@325x2 replaceable pack
Smart tag feature	Low battery indication

Cleaning

Tag cleaning method	Wipe Cleaning Method Only. See CenTrak Tag Disinfection Guide for Instructions

Note: Must use CenTrak Disinfection procedure. Other methods may void product warranty.
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Attachment clips are available
ITA-763 (top image shown with badge)
ITA-766 (bottom image above)

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This component complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: 1) The device may not cause harmful interference, and 2) this device must accept any interference received, including interference that may cases undesired operation. Modifying or tampering with the transceiver's or receiver's internal components can cause a malfunction, invalidate the warranty, and will void FCC authorization to use these products. This product or its systems are covered by one or more of the following U.S. patents: 5,917,425, 7,061,428, 7,378,964, 7,619,532.

L ' utilisation de ce dispositif est autorisée seulement aux conditions suivantes : (1) il ne doit pas produire de brouillage et (2) l' utilisateur du dispositif doit être prêt à accepter tout brouillage radioélectrique reçu, même si ce brouillage est susceptible de compromettre le fonctionnement du dispositif.