

Safety 2.0 Bracelet

Available Models

IT-7210E – Tag only, no band or accessories included. Compatible with CenTrak's Pegasus platform.

IT-7210E H – Tag only, no band or accessories included. Compatible with CenTrak's Orion platform.

ITK-7210E R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Pegasus platform.

ITK-7210E S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Secure Band (5-WTD09011), compatible with CenTrak's Pegasus platform.

ITK-7210E H R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Orion platform.

ITK-7210E H S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Secure Band (5-WTD09011), compatible with CenTrak's Orion platform.

CTH-BRAC765 – Tag only, no band or accessories included. Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).

CTK-BRACR765 – Preassembled Kit with Safety 2.0 Bracelet (CTH-BRAC765) + Rugged Band (5-WTD00006-0), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).

CTK-BRACS765 – Preassembled Kit with Safety 2.0 Bracelet CTH-BRAC765 + Secure Band (5-WTD09011), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).

Key Highlights

- Offers scalable Multi-Mode RTLS functionality – compatible with CenTrak's UHF and BLE Networks.
- Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).
- Integrates with CenTrak's proven Gen2IR Monitors for certainty-based room-level accuracy.
- Low Frequency (LF) receivers to create choke points – compatible with CenTrak's LF Exciters, Safety Solutions Door Controllers.
- Rated IP66 – fully dust-tight and protected against powerful water jets from any direction.
- The Safety 2.0 Bracelet supports an optional button accessory designed for general-purpose use. This feature can be configured for various applications, such as user interaction, alerting, or workflow triggers, depending on system integration.
- The tag features two integrated LEDs—red and green—that provide real-time visual feedback for battery status and system acknowledgment.

The CenTrak Safety 2.0 Bracelet is an active Location Services tag housed in a compact, ergonomic enclosure, designed to be worn on the wrist like a watch. It enables real-time location tracking and event monitoring to support patient safety and operational efficiency.

The tag is secured using durable banding material and is water-resistant to accommodate daily hygiene routines. It is designed to be non-intrusive, does not interfere with hospital or personal medical equipment, and is resistant to surface contamination—allowing for easy cleaning and long-term reliability.

CenTrak's infrastructure monitoring tool, Connect Pulse™, provides real-time status updates for installed devices and tags, including proactive low battery alerts to ensure uninterrupted operation.



Technical Specifications

BLE Communication

Bluetooth Standard	BLE 5.2 (2.4 GHz)
Bluetooth Antenna	Surface-Mount Ceramic Chip Antenna
Network Vendor Compatibility	Cisco, Aruba

UHF Communication

FCC Operating Range	902 - 928 MHz
CE Operating Range	868 - 870 MHz
ACMA / RSM Operating Range	920-926 MHz
UHF Antenna	Surface-Mount Device Chip Antenna

Operation

LED Indicator	Yes (Green and Red)
Configurable Button	Yes (Can be Added as Accessory)
Gen2IR Sensor	Yes
UHF	TX / RX
BLE	TX / RX
Low Frequency Receiver	125 kHz

Tag Dimensions (Not Including Accessories)

Case Length	1.85 in (47mm)
Case Height	1.62 in (41.2mm)
Case Width	0.7 in (17.67mm)
Tag Weight (with battery & Secure band)	42 g
Tag Weight (with battery & Rugged band)	55 g

Environmental/Cleaning

Operating Temperature (Tag)	0 °C to 60 °C
Storage Temperature (Tag)	-10 °C to 65 °C
Sealing	IP66
Tag Cleaning Method	Submersion or Wipe cleaning. See Tag Disinfection Guide for instructions

Power

Battery Type	Non-Rechargeable, Primary, Lithium CR2450
Battery Replacement	Yes
Power	3V, 620 mAh

RF exposure information: The EIRP power of the device at maximal case is below the exempt condition, 20mW specified in EN62479: 2010. RF exposure assessment has been performed to prove that this unit will not generate the harmful EM emission above the reference level as specified in EC Council Recommendation(1999/519/EC).

RF Exposure

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

IC Regulatory Conformance

This device complies with CAN ICES (B)/NMB(B)

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

(2) This device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme à la norme CAN ICES (B)/NMB-003 (B)

Cet appareil contient des émetteurs / récepteurs exempt (s) de licence qui sont conformes aux RSS exemptes de licence d'Innovation, Sciences et Développement économique Canada. Son fonctionnement est soumis aux deux conditions suivantes:

(1) Cet appareil ne doit pas provoquer d'interférences.

(2) Cet appareil doit accepter toute interférence, y compris les interférences susceptibles de provoquer un fonctionnement indésirable de l'appareil.

EU Declaration of Conformity

Hereby, CenTrak, Inc. declares that the radio equipment type Safety 2.0 Bracelet (Models: IT-7210E, IT-7210E H, ITK-7210E R, ITK-7210E S, ITK-7210E H R, CTH-BRAC765, CTK-BRACR765 and CTK-BRACS765 are in compliance with Directive 2014/53/EU. The full text of the EU Declaration of Conformity is available at: <https://www.centrak.com>.

RF Exposure

This equipment complies with IC radiation exposure limits set forth for an uncontrolled environment.

Cet équipement est conforme aux limites d'exposition aux radiations de la IC définies pour un environnement non contrôlé.

Device Name: Safety 2.0 Bracelet
Model numbers:

IT-7210E – Tag only, no band or accessories included. Compatible with CenTrak's Pegasus platform.

IT-7210E H – Tag only, no band or accessories included. Compatible with CenTrak's Orion platform.

ITK-7210E R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Pegasus platform.

ITK-7210E S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E) + Secure Band (5-WTD09011), compatible with CenTrak's Pegasus platform.

ITK-7210E H R – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Rugged Band (5-WTD00006-0), compatible with CenTrak's Orion platform.

ITK-7210E H S – Preassembled Kit with Safety 2.0 Bracelet (IT-7210E H) + Secure Band (5-WTD09011), compatible with CenTrak's Orion platform.

CTH-BRAC765 – Tag only, no band or accessories included. Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).

CTK-BRACR765 – Preassembled Kit with Safety 2.0 Bracelet (CTH-BRAC765) + Rugged Band (5-WTD00006-0), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion).

CTK-BRACS765 – Preassembled Kit with Safety 2.0 Bracelet CTH-BRAC765 + Secure Band (5-WTD09011), Backwards compatible with any new or existing CenTrak platform (Pegasus and Orion)

FCC ID: ST2-IT7210
IC: 6012A-IT7210

WARNING

Do not dispose of the CR2450 battery in fire or expose it to high temperatures, as it may explode. Always follow local regulations for battery disposal. Used batteries may still retain charge—avoid storing or disposing of multiple coin cells in close contact to prevent accidental discharge or short-circuiting.

Choking Hazard – SMALL PARTS

This device contains small parts that may pose a choking hazard to young children. Keep out of reach of children and do not allow unsupervised handling.

This device and applicable accessories comply with part 15 of the FCC Rules. Operation of each Product is subject to the following two conditions: (1) each Product may not cause harmful interference, and (2) each Product must accept any interference received, including interference that may cause 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.

Note: The Products have been tested and found to comply with the limits for a Class B digital device pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

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. This device complies with Industry Canada license-exempt RSS standard(s). Operation is Subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired Operation of the device. Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Accessories Overview

The Safety 2.0 Bracelet tag is supplied as a compact wearable device featuring a solid black plastic housing and a durable wristband. It is designed for comfortable, secure wear and seamless integration into patient safety and location tracking workflows.

Optional Top-Face Accessories

The top surface of the tag supports two interchangeable accessory options, allowing for flexible customization based on application needs:

5-WTD09016 – Button Face

- A general-purpose button that, when pressed, triggers an RF transmission.
- Ideal for user interaction, workflow signaling, or alerting.
- Available as an optional add-on; not included by default.

5-WTD000TP-1 – Analog Watch Face

- A fully functional analog watch integrated into the tag's top surface.
- Combines location tracking with timekeeping, offering a discreet and familiar appearance.
- Available as an optional add-on; not included by default.

Installation Instructions

For detailed guidance on installing accessory components, please refer to the Accessory Installation Manual included in the product documentation or available in the accessory datasheet.



Button Face



Analog Watch Face