

**Securitas
Healthcare**



T12SB Environmental Tags

**Deployment & User
Guide**



CAUTION AND WARNINGS

Electromagnetic radiation emitted from AeroScout Tags may interfere with critical care equipment. Please refer to the equipment manufacturer's user manuals for electromagnetic immunity guidance, and for separation distance recommendations, if applicable.

Use this link, <https://www.stanleyhealthcare.com/support>, to locate our published specifications for SECURITAS Healthcare/AeroScout tag transmission frequencies and output power, or contact SECURITAS Healthcare Technical Support at +1-800-380-8883 for assistance.

Use of this equipment adjacent to or stacked with other equipment should be avoided because it could result in improper operation. If such use is necessary, this equipment and the other equipment should be observed to verify that they are operating normally.

Portable RF communications equipment (including peripherals such as antenna cables and external antennas) should be used no closer than 1 cm to any part of the ME Equipment or ME System, including cables specified by the manufacturer. Otherwise, degradation of the performance of this equipment could result.

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Introduction

The T12SB Bi-directional environmental Tags are components of SECURITAS Healthcare's suite of enterprise visibility solutions for environmental monitoring-based applications. The battery-powered tags with a quick battery replacement process add further flexibility and scalability to monitor environmental indications across a wide variety of applications.

Once deployed, the tags use Wi-Fi and BLE bi-directional functionality to receive firmware and configuration updates from MobileView. This removes the need to manually collect, update, and re-deploy tags in the field.

The T15a/ah environmental monitoring Tags include an advanced temperature/humidity sensor for sensing the environment parameters in high accuracy and fast response time.



T12SB Humidity Tag



T12SB Temperature Tag

T1SB Asset Tag Features

Tag Descriptions

The following describes the parts of the T12SB EM Tag:

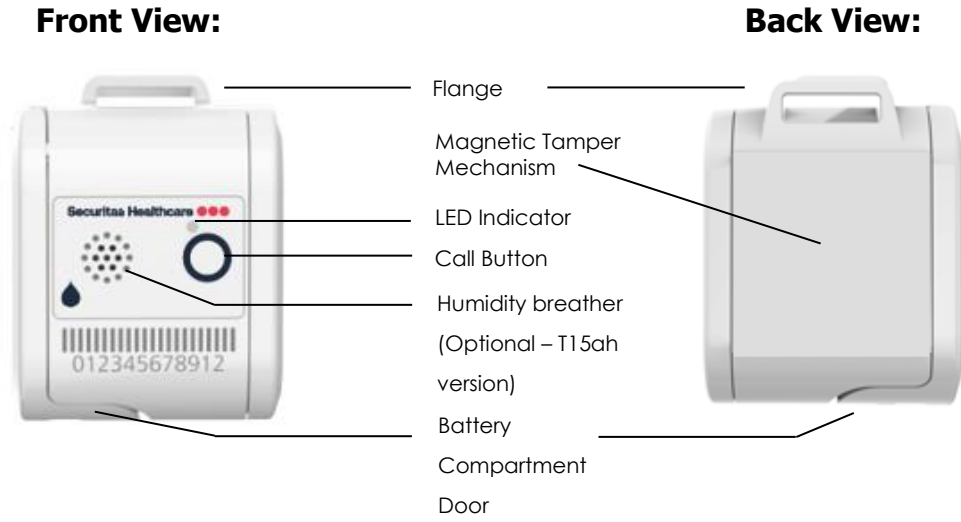


Figure 1: T12SB EM Tag Descriptions

Replacing the Battery

The tag's battery counter is automatically reset by MobileView after replacement.

Approved Batteries

Off-the-shelf CR2 1000mAh batteries can be used, however, it is recommended to use SECURITAS Healthcare-approved batteries.

To replace the battery:

1. To open the battery compartment door, gently insert a small flathead screwdriver into the compartment door opening and gently rotate the screwdriver.



1. Remove the battery.
2. Install a new and approved CR2 1000mAh battery.
3. Close the battery compartment door until it clicks in place.



WARNING: Used batteries should be disposed of according to facility procedures in your jurisdiction.

Tag Specifications

Environmental Specifications

- **Operating Temperature Range:** -30°C to +70°C (-4°F to +140°F)
- **Tag Storage Temperature Range:** -40°C to +85°C (-40°F to 185°F)
- **Humidity:** 0% to 95% RH non-condensing
- **Ingress Protection Rating:** IP-54

Physical and Mechanical

- **Dimensions LWH:** 44 x 34 x 20mm (1.7 x 1.3 X 0.78inch)
- **Weight:** +/- 33g (1.16oz)

Electrical

- **Battery:** 1 x CR2 1000mAh replaceable battery

Visual Indications

- **LEDs:** Dual-color LEDs (red & green)

Radio

- 802.11 b/g/n compliant (2.4 GHz)
- BLE
- Low-frequency receiver for chokepoint detection (125kHz)
- **Transmission power:** up to +18dBm

Certification

- **Radio, EMC:**
FCC Part 15, sub-part C class B, sub-part B,
EN 300-328, EN 301-489, RSS 210 (Canada)
Radio Equipment Directive 2014/53/EU (RED), Radio Equipment
Directive S.I.2017/1206 (RED)
RoHS 2 Directive 2011/65/EU, RoHS 2 Directive S.I.2012/3032
- **Safety:**
CE, UKCA, EN62368/UL62368/IEC62368, Japan 201-200209

Appendix

Safety, Warnings and Warranty

In case of direct attachment to an ordinary person's body – the ambient temperature should not exceed +48C

FCC STATEMENT

This equipment has 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. This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- a) Reorient or relocate the receiving antenna.
- b) Increase the separation between the equipment and receiver.
- c) Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- d) Consult the dealer or an experienced radio/TV technician.

This device complies with Part 15 of the FCC Rules.

Operation is subject to the following two conditions:

- a) This device may not cause harmful interference
- b) This device must accept any interference received, including interference that may cause undesired operation.

FCC Warning

Modifications not expressly approved by the manufacturer could void the user authority to operate the equipment under FCC Rules.

WARNING: This device complies with Part 15 of the FCC Rules and RSS-247 of Innovation, Science and Economic Development Canada. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

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.

**SECURITAS Healthcare (“SECURITAS”) Standard Warranty and Disclaimer
For SECURITAS Healthcare AeroScout® Products (“Products”)**

Limited Warranty and Disclaimer. SECURITAS warrants that commencing from the date of delivery to Customer and continuing for a period of one (1) year thereafter (the “Warranty Period”), the hardware components of SECURITAS Healthcare AeroScout® Products (the “Hardware”) will be free from defects in material and workmanship under normal use subject to the terms hereof. The date of shipment of the Hardware by SECURITAS is set forth on the packaging material in which the Hardware is shipped. This limited warranty extends only to the original user of the Hardware. Customer's sole and exclusive remedy and the entire liability of SECURITAS and its suppliers under this limited warranty will be, at SECURITAS's or its service center's option, shipment of replacement Hardware components within the Warranty Period or a refund of the purchase price if the Hardware is returned to the party supplying it to Customer, if different than SECURITAS, freight and insurance prepaid. SECURITAS replacement parts used in Hardware repair may be new or equivalent to new, and SECURITAS reserves the right to provide replacement Hardware components of similar form and function, as long as the functionality is equal or better than Customer's original Hardware components. SECURITAS's obligations hereunder are conditioned upon the return of affected Hardware in accordance with SECURITAS's then-current Return Material Authorization (RMA) procedures. Notwithstanding the foregoing, the warranty for TAG Hardware specifically designated for sterilization via autoclave or other sterilization methods shall have a warranty period of 350 sterilization cycles from the date of delivery; provided, however, that sterilization outside of environmental specifications approved in any applicable user documentation voids all warranties.

Extended Warranty: SECURITAS offers an extended warranty, for a fee, on AeroScout products. Within the one (1) year of the standard warranty, additional warranty of two (2) years may be purchased. Additional warranty years may only be purchased once within the first one (1) year, or prior to warranty expiration. A maximum of three (3) total warranty years are available for Hardware.

Exclusions: The warranty set forth above will not apply if the Hardware or the Product (i) has been altered, except by SECURITAS, (ii) has not been installed, operated, repaired, or maintained in accordance with instructions supplied by SECURITAS, (iii) has been subjected to abnormal physical or electrical stress, misuse, negligence, or accident; or (iv) is provided for beta, evaluation, testing, or demonstration purposes for which SECURITAS does not receive a payment of purchase price or license fee.

In addition, this warranty shall not cover the following:

- Batteries (other than DOA -Dead On Arrival).
- Plastics (including defects in appearance, cosmetics, decorative or structural items including framing and non-operative parts).
- Tag Calibration.

- Expenses related to removing or reinstalling the Products.
- Defects or damage that result from the use of Non-SECURITAS certified Products, Accessories, Software or other peripheral equipment.
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