

Data Sheet:

EX5500 Controller

Provides robust, sophisticated egress point monitoring and security capabilities for Hugs Tags

Product Description

The EX5500 Controller is a component of STANLEY Healthcare's suite of enterprise visibility solutions for location-based applications. The EX5500 Controller provides robust and sophisticated real time detection and location of tags using the AeroScout RTLS system which utilizes any standard Wi-Fi network.

The EX5500 Controller is used to monitor and secure the exits of a facility equipped with a STANLEY Healthcare Enterprise Visibility Solution, such as the Hugs Infant Protection Solution. Installed above or beside a doorway, the Controller transmits low frequency (LF) signals that cover the exit. When a patient wearing a tag enters the Controller's field, the tag transmits a message to the AeroScout RTLS System via the Wi-Fi network. If a tagged infant is brought near an open door without authorization, an alarm is generated, as the infant is at immediate risk of being removed or exiting without authorization.

Each Controller is equipped with two relays, which can be used to activate alarms, magnetic door locks, cameras, or other devices. In addition, an optional keypad or proximity card reader may be connected to the Controller to allow selective restriction of access.

Industry Benefits

Security Applications

Together with the Hugs Infant Protection Solution, the Controller is used to monitor doorways of a secured area and trigger relays. The relays can immediately activate alarms, magnetic door locks, cameras or other devices, if a tagged patient without authorization tries to leave the premises.

Continual Supervision

The Controller's status is monitored at all times by the STANLEY Healthcare Protection System.

Using AeroScout Engine Manager the EX5500 can be configured to trigger a range of devices including magnetic locks, cameras, strobes, sirens or even elevators. The EX5500 supports basic functionality in an offline mode enabling protection of the facility even when the network is down

The EX5500 accommodates a failsafe mechanism and a bypass device, such as a keypad or proximity card reader allowing secure yet rapid 'system override' should the need arise.

Chaining

In an area where the required LF coverage exceeds the capacity of one Controller, the Controller can be chained with up to eight AeroScout Exciters, e.g. the EX5000 Exciter, for complete and precise coverage of large areas such as hallways or gates.

In addition, in small areas with multiple exits that cause the LF fields of Controllers



Product Highlights

- **Wi-Fi Tag Detection:** The EX5500 triggers a tag to transmit and immediately react according to the state of the tag and other defined conditions such as the status of the door. When an active tag enters the field, the relay responds in less than 0.5 seconds to activate a door lock or other device. All processing is done locally in the EX5500 ensuring a fast response.
- **Network connectivity:** The EX5500 enables remote programming, monitoring, and software updates by the AeroScout Engine. The EX5500 can also function in an offline mode for basic security functionality when the network is down.
- **Relay control:** The EX5500 has two built in relays, which can be used to activate alarms, magnetic door locks, cameras, or other devices.

to overlap, chained Controllers can be configured with different ID's. This enables the identification of the precise exit the tagged patient passed through, e.g. an elevator or stairwell.

Real-Time Alerts

Organizations can use the EX5500 Controller to trigger automated events and alerts based on the current location of an asset.

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Product Specifications	
Part Number	SKU: EX-5500
Dimensions	245 mm X 200 mm X 60 mm (9.6in x 7.9in x 2.4in)
Weight	865g (31oz)
Housing	Polycarbonate and ABS
Range	Adjustable from 0.5m (20in) up to 6.5m (21.3ft) in intervals of 0.5m (20in)
LF Channel	125kHz Field intensity limits: 37.3dB μ A/m at 10m (ETSI) Propagation limits: 21.8 dB μ V/m at 300m (FCC) Modulation: ASK
Network Interface & Settings	Ethernet (RJ-45) Wi-Fi 802.11b/g
Power	Input voltage: 12, 24-48VDC PoE (802.3af) 48VDC Maximum power consumption: 8W Maximum power consumption of External LF Antenna: 5W
Environmental	Operating temperature: 0 to 50°C (32°F to 122°F) Humidity: 0 to 95%, non-condensing
Certification	FCC Part 15, sub-part C class B, sub-part B EN 300-330 EN 301.489 RSS210 (Canada) EMC IEC60601-1-2 (Europe) Safety: CE, cTUVus (EN60950)
Relays	Two: max. switching voltage 220VDC/250ACD, max. switching power 30W/62.5VA, max. switching current 1A, NO (Normally Open) or NC (Normally Closed)

About STANLEY Healthcare

STANLEY Healthcare provides over 5,000 acute care hospitals and 12,000 long-term care organizations with enterprise solutions that transform safety, security and operational efficiency. The STANLEY Healthcare EcoSystem enables customers to achieve organizational excellence and superior care in five critical areas: Patient Safety, Security & Protection, Environmental Monitoring, Clinical Operations & Workflow and Supply Chain & Asset Management. These integrated solutions are complemented by consulting, training and Transformational Lean™ process reengineering. STANLEY Healthcare is proud to be part of Stanley Black & Decker, Inc. For more information, visit www.stanleyhealthcare.com.

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