



## Staff Card

### USER MANUAL

### NTT-830 Nurse Tracking Tag

DRAFT

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## 1 FOREWORD

The RFID Staff Card is a device designed to be allocated to nurses in the area monitored by the AMS system. The tag contains both a passive RFID circuit as well as an active transmission circuit, allowing the system to capture when and which staff responded to a nurse call event.

## 2 PRODUCT MANUAL

### 2.1 Tracking Tag

The SC will have 3 main stages:

- Deactivated mode
- Reset (Standby) Mode
- Active Mode

#### 2.1.1 Deactivated mode

When deactivated, the SC shall not send any sanity transmissions nor shall it monitor motion. The SC shall leave the factory in this mode.

Active/Rest → Deactivated

- Press and hold down the SC's button for 5 seconds; at the end of the 5 seconds, the LED shall be lit (steady LED) for 5 seconds.
- While the LED is lit, press the button three times; the LED flashes for 3 seconds to indicate that the SC is about to shut down.

OR

- After 12 hours without motion, the SC shall automatically deactivate.

**Note:** Before the SC is deactivated, it shall send a transmission to the AMS to indicate that it has been manually deactivated (as opposed to destroyed or lost).

#### 2.1.2 Reset (Standby) Mode

In Rest mode, the SC shall transmit once every 15 minutes for a period of 1 hour. After 1 hour, the SC shall transmit once every hour.

Deactivated → Rest Mode:

- Press and hold down the button for 5 seconds

Active → Rest Mode

- No motion detected by the SC for 2 minutes.

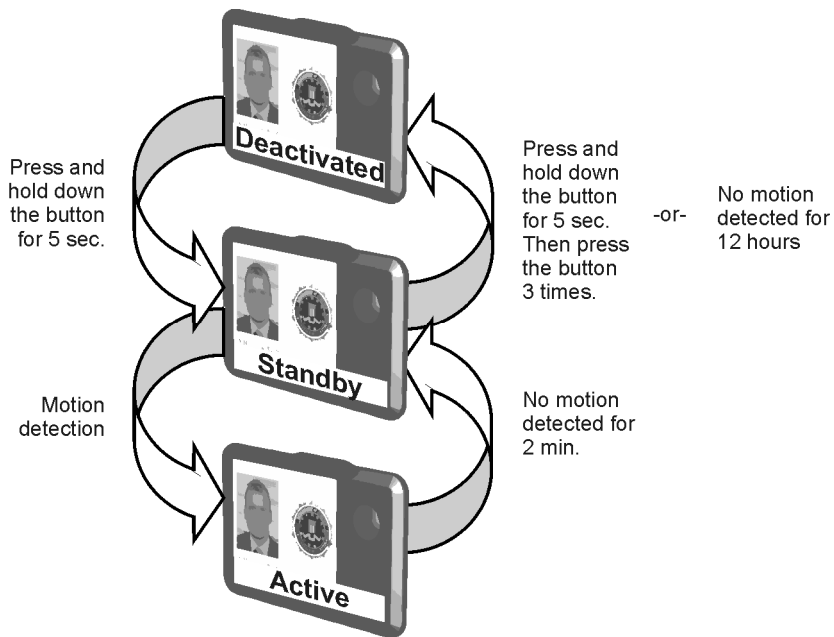
#### 2.1.3 Active Mode

During Active mode, the device shall transmit a signal once every 18 – 22 seconds.

Rest → Active Mode

- Motion is detected by the SC.

**2.2 Summary of SC Tracking Modes**



**Figure 1: Transition between Modes**

SC Status	LED Indication
Low battery	Flashes once every 10 seconds
Deactivated → Rest Mode	On while button is pressed, flashing for 3 seconds to indicate that activation is successful.
Rest/Active Mode → Deactivated	On while the button is pressed, flashing for 3 seconds to indicate that deactivation is successful.

**2.3 Low Battery**

The SC shall send a "Low Battery" signal with every transmission when the battery has approximately (but no less than) 2 weeks until the transmitter is rendered non-functional.

When a "Low Battery" condition is present, the Low Battery LED indicator shall flash once every 10 seconds.

### 3 FCC NOTICES

This note is applicable to the American Staff Card

**NOTE**

*The Staff Card complies with Part 15 of the FCC Rules. 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 has been tested and found to comply with the limits of the 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 device generates, uses and can radiate radio frequency energy and, if installed and used in accordance with the instruction, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this device 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 correct the interference by one or more of the following measures

- Reorient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver.
- Consult the dealer or an experienced radio/TV technician for help.

**CAUTION**

*Any changes or modifications not expressly approved by the grantee of this device could void the user's authority to operate the equipment.*

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