Safe Place | **RFT**

Mother/Baby Match
Mother Transmitter

User Guide

Safe Place | RFT

Contents

⚠ WARNINGS

Use of non-approved cleaners and disinfectants on Transmitters may cause permanent damage to the Transmitter and the alarming band piercing contacts and will void any and all warranties.

Use care around the piercing contacts on the Mother Transmitter. Placing your fingers directly on the piercing contact may result in injury.

The transmitters may be sprayed or rinsed during cleaning, but are not intended to soak for an extended period of time.

Other documentation to consult:

CA9450 Safe Place Mother/Baby Software User Guide (0510-1014)
CA9450 System Guide (0510-1018)

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KIND, WHETHER OR NOT FORESEEABLE OR IN CONTEMPLATION OF THE PARTIES, EVEN IF SELLER HAS BEEN ADVISED OF THE POSSIBILITY OF SUCH DAMAGES.

THIS WARRANTY IS THE ONLY WARRANTY APPLICABLE TO THE PRODUCT AND IS IN LIEU OF ANY OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Part # 0510-0121-C

Important Information

It is important for your facility to implement and enforce the following guidelines in order to keep all equipment functioning properly.

> ⚠️ **Installation and Configuration**
>
> It is the responsibility of the **facility** to use the supplies specified by RF Technologies for all (Safe Place®) installations.
> Failure to use the supplies specified by RF Technologies may result in equipment failure.

> ⚠️ **User Training**
>
> It is the responsibility of the **facility** to implement structured training procedures for all employees using the system. Only users who have received adequate training on the use of the system should use the system.
> Failure to adequately train employees may cause equipment failure due to user error. In addition, incorrect use of the equipment may also result in equipment failure.

> ⚠️ **System Maintenance**
>
> It is the responsibility of the **facility** to establish and facilitate a regular maintenance schedule of your (Safe Place®) system. This includes regular inspection, testing, and cleaning.
> Failure to provide regular maintenance to these products may result in equipment failure.

Product Warranty

RF Technologies, Inc. (herein referred to as "Seller"), warrants to the Buyer that the RF Technologies, Inc. (Code Alert/Safe Place/Sensatec) System (herein referred to as "Product") will be free from defects in material and workmanship for a period of one (1) year from date of sale and title, and will conform to the Seller's quotation.

Transmitter battery life is one (1) year or as quoted for sale. Battery is covered by a limited warranty prorated over the life of the battery. The Battery warranty only applies to battery life and does not include casings or clamps, which is one (1) year as stated elsewhere in this warranty.

This warranty is a limited warranty and it is the only warranty made by Seller. Seller's sole obligation under this warranty shall be limited to repairing or replacing any part, which, within one(1) year from the date of sale, is returned to the factory, shipment prepaid, and upon examination by Seller, shall disclose to have been defective. Alternatively, Seller may, at its sole option, instead elect to refund the purchase price paid for the defective product. The criteria for all testing shall be Seller's applicable product specifications utilizing factory specified calibration and test procedures and instruments. No allowance shall be made for local repair bills or expenses without the prior written approval of Seller. If Seller elects to replace any part, such replacement will not extend the life of this warranty. Seller reserves the right to use refurbished parts for warranty repairs or replacements. Buyer's failure to pay the purchase price in full by the due date will void all warranties for the product.

Warranty coverage does not include, and Seller disclaims any liability for, any defect or performance deficiency (including failure to conform to product descriptions or specifications) which results, in whole or in part, from (1) improper storage, handling, maintenance or installation of the Product by Buyer, its employees, agents, or contractors, (2) absence of any product, component, or accessory recommended by Seller, but omitted at Buyer's direction, including but not limited to transmitters and banding materials not tested and approved, (3) any design, specification, or instruction changed by Buyer, its employees, agents, or contractors, (4) failure to comply with any applicable instructions or recommendations of Seller, including installation procedures, (5) physical damage occurring to transmitters or other components after receipt and acceptance by buyer, or (6) any components, systems, process, or equipment not sold or provided by Seller, or (7) acts of God, acts of civil or military authority, fires, floods, strikes, or other labor disturbances, war, riot, or other causes beyond the reasonable control of the Seller.

The preceding paragraphs set forth Buyer's exclusive remedies and Seller's sole liability for claims based on the failure of the products to meet any warranty, whether the claim is in contract, warranty, tort (including negligence and strict liability), or otherwise, and however instituted, and upon the expiration of the applicable warranty period of such liability shall terminate. IN NO EVENT SHALL SELLER BE LIABLE FOR ANY DIRECT, INDIRECT, SPECIAL, INCIDENTAL, OR CONSEQUENTIAL DAMAGES OF ANY

Specifications

Size	1.63 x 1.18 x .625 inches
Weight	20 grams
Color	Yellow
Operating Temperature	0 to 50 degrees Celsius (32F to 122F)
Composition	Eastar Copolyester DN004 polymer
Battery Life	TBD
Regulations	FCC Compliant
Part Number	9450-3000

Preface

Introduction

This guide provides detailed information about the Mother Transmitter. It provides detailed instructions about using the component as well as specific requirements.

The CA9450 Security System monitors doors, elevators, hallways, and stairwells, preventing the unauthorized exit of infants, children, or residents from a facility. The Mother/Baby Match system also identifies when a mother is given an whether or not it is her baby.

A small Transmitter is placed on the ankle or the wrist of a child or resident. A small Mother Transmitter is also placed on the mother's wrist. After the two transmitters have been linked, each time the baby is given to the mother, the Green LED on the Mother Transmitter indicates that it is the correct baby.

If an Infant transmitter is detected in an Exit Alarm Zone, for example if a child is being abducted, an alarm sounds at the exit as well as at a Central Server and its network of Clients. The Central Server and Clients also identify which child or resident sounded the alarm and the exit where the alarm occurred. The system can automatically lock doors, deactivate elevators, and activate remote cameras. The CA9450 System provides further security by alerting staff if a transmitter band is tampered with, or if any wire in the system is cut or damaged.

About this Guide

The Mother Transmitter User Guide is intended for users who fasten, clean, and care for Mother Transmitters. It includes detailed information about the Mother Transmitters and minimizing false alarms.

Additional Documentation

Documentation for the CA9450 System is available in Portable Document Format (PDF) on the CA9450 System Documentation CD-ROM. The CA9450 System Documentation includes the following guides:

Safe Place Mother/Baby Match Software User Guide

Contact Information

For more information about Code Alert or Safe Place products go to www.rft.com. For technical support, contact (800) 669-9946. For questions or comments about CA9450 documentation, contact the RF Technologies Technical Publications team at techpubs@rft.com.
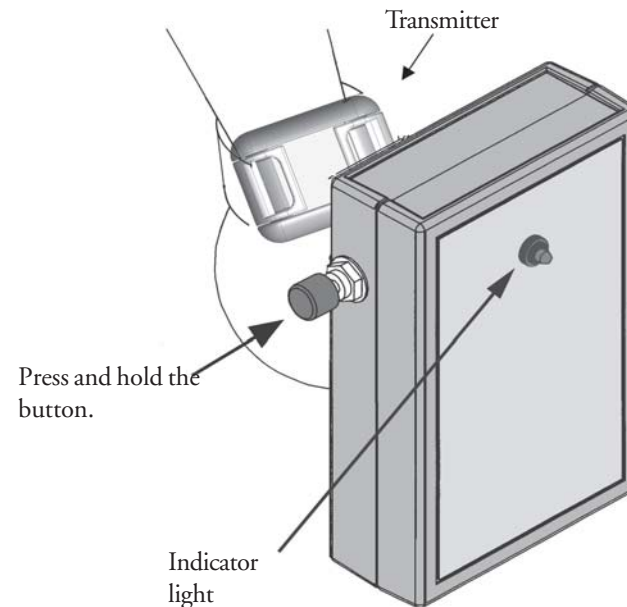
Testing a Mother Transmitter

The Safe Place® System includes a Transmitter Tester to be used when checking the operation of each Mother Transmitter. If the Mother Transmitter is operating properly, the Transmitter Tester will detect its signal, the indicator light will flash, and a tone will sound.

To test a Mother Transmitter

1   Place the Transmitter Tester directly on the Mother Transmitter.

2   Press and hold the button on the left side of the Transmitter Tester. The device will beep once when you press the button.

   If the Mother Transmitter is working properly, the indicator light flashes and a tone sounds once every 15 seconds. Wait for the flash of the indicator light and the tone from the Transmitter Tester to verify that the Mother Transmitter is functioning.
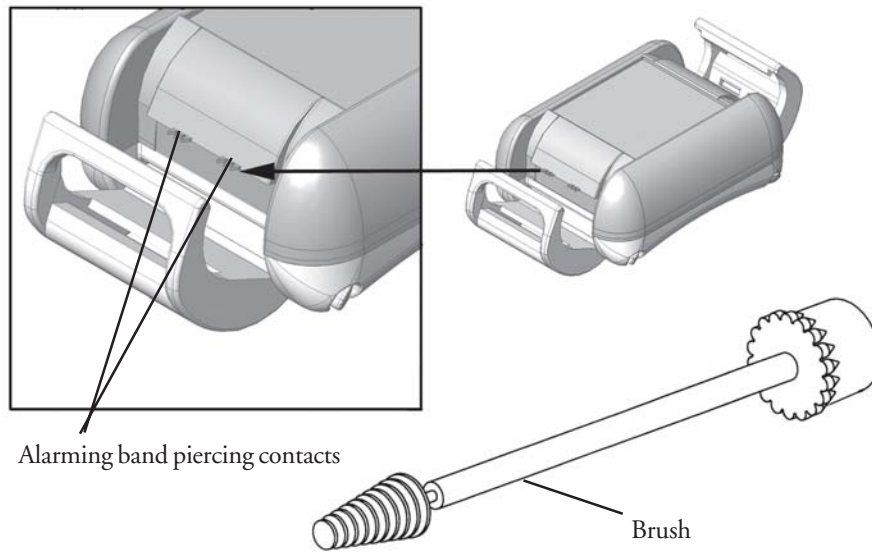
3   If the Mother Transmitter fails this test, check the battery in the device.

   The Transmitter Tester requires a 9V battery.

4   Retest the Mother Transmitter. If it fails a second time, replace the Transmitter.

Transmitter

Press and hold the button.

Indicator light

4 Wipe the Transmitter with a clean cloth or towel, and then allow the Transmitter to air-dry.

   The transmitter may also be rinsed with water, if required in the manufacturer's instructions.

5 Inspect the alarming band piercing contacts on the Transmitter; the contacts should be gold in color and not bent or out of alignment.

6 Close the clamps on the Transmitter.

7 Place the clean Transmitter in a storage container for future use.

> ⚠ The transmitters may be sprayed or rinsed during cleaning, but are not intended to soak for an extended period of time.

Alarming band piercing contacts

Brush

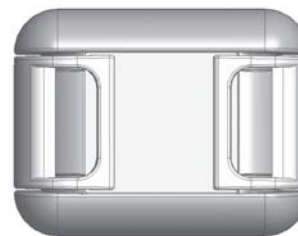# The Mother Transmitter

Introduction

The CA9450 System monitors doors, elevators, hallways, and stairwells, preventing the unauthorized exit of patients from a facility. A small Transmitter is placed on the ankle or the wrist of a patient. If a transmitter is detected in an Exit Alarm Zone, for example if a child is being abducted, an alarm sounds at the exit as well as at a Central Server and its network of Clients. The Central Server and Clients also identify which patient sounded the alarm and the exit where the alarm occurred. The system can automatically lock doors, deactivate elevators, and activate remote cameras. The CA9450 System provides further security by alerting staff if a transmitter band is tampered with, or if any wire in the system is cut or damaged.

In addition, a small Transmitter is placed on the arm of a new mother. If when the baby is in contact with the mother, the Transmitter flashes Green LED to indicate that the baby is the correct baby for that mother. If there is a mismatch, meaning, the infant and mother transmitters do not match; the Mother Transmitter flashes the Red LED three times and sounds a beep three times.

The Central Server and Clients also identify which child sounded the alarm and the exit where the alarm occurred. The Safe Place® System provides further security by alerting staff if an Infant Transmitter's special, alarming band is tampered with or cut.

The Mother Transmitter

The Safe Place® Mother Transmitter is lightweight and compact. It has a 1 year life expectancy.

> This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
> (1) This device may not cause harmful interference.
> (2) This device must accept any interference received, including interference that may cause undesired operation.
>
> Changes or modifications not expressly approved by the party responsible for compliance can void the user's authority to operate the equipment.
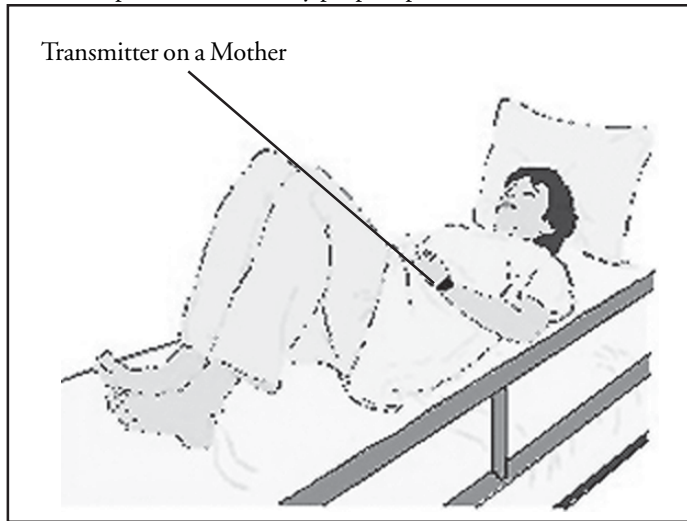>
> The term "IC" before the certification/registration number only signifies that the Industry Canada technical specifications were met.
>
> FCC ID: KXU-MBTX
> Industry Canada ID CAN 2719A - MBTX

Fastening a Mother Transmitter

A Mother Transmitter is a small, yellow device placed on the wrist of a new mother. When it is activated, it sends a signal that is received by Exit Alarm Receivers and Alarming Band Receivers. If a mother is handed a child wearing a transmitter that does not match her transmitter, the Red LED on the Mother Transmitter flashes and an alarm sounds to signify a mismatch.

Test all transmitters prior to use to verify proper operation.

Transmitter on a Mother

To fasten a Mother Transmitter

1   Cut off 6-7" of alarming band material.

2   Open the clamps of the Mother Transmitter by gently pulling them outward, one clamp at a time, from the top of the Transmitter.

3   Insert the alarming band material through the slot on one side of the Mother Transmitter, from bottom to top, with the printed fabric side facing out. Guide the alarming band material through the slot at the top of the clamp.

4   Snap the clamp into place.

Cleaning and Caring for a Mother Transmitter

This chapter provides detailed information about cleaning and caring for a Mother Transmitter.

To clean a Mother Transmitter after use

1   Remove the alarming band from the Transmitter and dispose of the alarming band material.

> ⚠ In order to avoid nuisance alarms, cleaning procedures should be performed at least 100 feet from any Alarming Band Zone.

2   Pre-clean the Mother Transmitter using an approved cleaner.

Use the provided brush to clean the hard-to-reach areas.

Brushes should be sanitized after each use according to the manufacturer's instructions and your facility's infection control procedures.

> ⚠ Use of non-approved cleaners on Mother Transmitters may cause permanent damage to the Transmitter and the alarming band piercing contacts and will void any and all warranties.

3   Sanitize the Mother Transmitter by spraying it with an *approved* cleaner.

Using an approved cleaner does not confirm the suitability of the cleaner to meet your infection control standard; it only indicates that the Mother Transmitter will not be harmed by the cleaner.

Allow the cleaner to remain on the Mother Transmitter for the amount of time specified by the manufacturer. When using surface disinfectants and decontaminant cleaners, always follow the manufacturer's instructions.

Approved cleaners:
- **Airex 109A**
- **Cavicide™**
- **Health-Tec™**
- **Hi-Tor Plus™**
- **Isopropyl Alcohol**
- **Neutral Quat 128™**
- **Quik Fill 920™**
- **Quest 256**
- **Virex II-256**
- **Sani-cloth HB (wipes)**

Note: Some agents are intended for topical, antimicrobial use only and will not destroy viruses such as Hepatitis B and HIV.

Non-approved cleaners:

DO NOT USE
- **Bleach**
- **Cleaners containing bleach**
- **Cidex™** (Including Activated, Plus, and OPA)
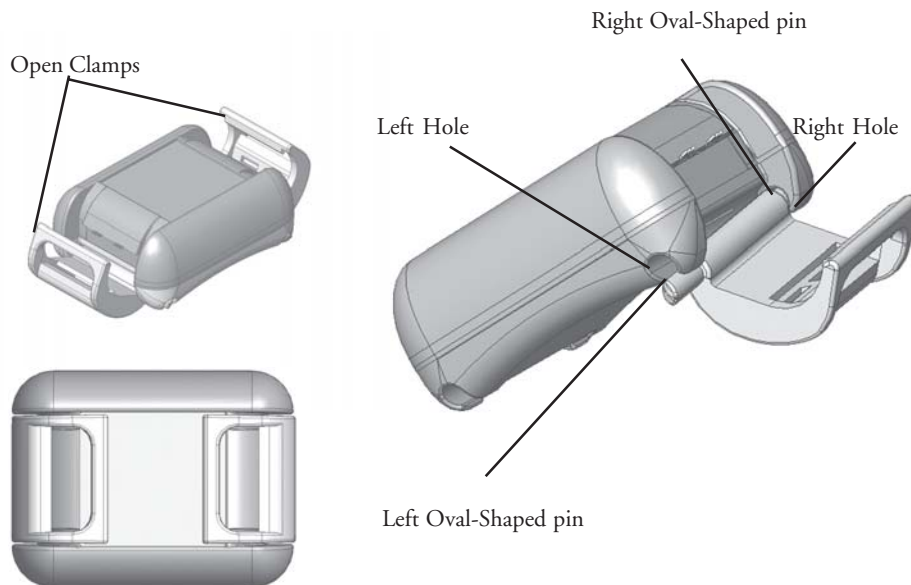- **3M Phenolic™**
- **Virex TB**
- **Virex HB**

> ⚠ Use care around the piercing contacts on the Mother Transmitter. Placing your fingers directly on the piercing contact may result in injury.
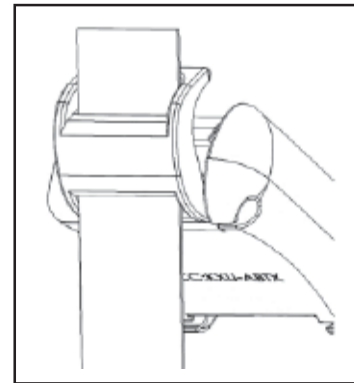
Replacing a Mother Transmitter Clamp

In some cases, it may be necessary to replace damaged Mother Transmitter clamps. This done by opening the existing clamps, snapping them off of the Mother Transmitter, and inserting new clamps.
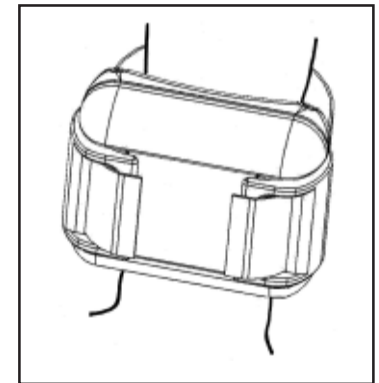
To replace a Mother Transmitter clamp

1   Open the clamps all the way and gently remove them from the transmitter.

2   Insert the first clamp into the Mother Transmitter by inserting the right oval shaped pin into the hole on the right of the Mother transmitter.

3   Next, line the left oval-shaped pin up with the hole on the left side of the Mother Transmitter.

4   Gently snap the left oval shaped pin into the hole.

5   Close and secure the clamp.

6   Repeat the steps above for the second clamp.

Right Oval-Shaped pin

Open Clamps

Left Hole

Right Hole

Left Oval-Shaped pin

Transmitter with both Clamps snapped closed

> ⚠ **WARNING**: Use care around the piercing contacts on the Mother Transmitter. Placing your fingers directly on the piercing contact may result in injury.

5   Place the Transmitter and alarming band onto the wrist of the mother.

6   Insert the alarming band material through the slot on the other side of the Mother Transmitter, from bottom to top.

7   Again, guide the alarming band material through the slot at the top of the clamp.

8   Adjust the band so that the Mother Transmitter is in a comfortable position on the mother's wrist; the band should be snug enough to prevent the Transmitter from slipping off, and loose enough to prevent discomfort.

9   Snap the clamp into place.

Insert alarming band material through slot, printed side out

If the Mother Transmitter is clear, it displays a Red LED indicating it is ready to be linked.

> ⚠ **WARNING**: Use care around the piercing contacts on the Mother Transmitter. Placing your fingers directly on the piercing contact may result in injury.

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Using the Mother Transmitter

This section provides detailed information about how to program and use a Mother Transmitter. The following table provides information about the different Transmitter Modes and how to enter the Modes.

Mode	Taps	Description
Idle	If banded to a mother and linked appropriately to an Infant Transmitter, no tap. If banded to a mother and is not linked appropriately to a mother within 2 minutes, tap once. If there is not any alarming band, tap once.	Idle mode is the mode the Mother Transmitter is in before it is linked with an Infant Transmitter or banded to a Mother. Tapping the Mother Transmitter once will send it into Link Mode.
Link	If 2 minutes expire without linking to an Infant Transmitter, tap once. If Mother and Infant Transmitters are successfully linked, tap once.	This mode enables you to link a Mother Transmitter and Infant Transmitter together.
Manual	If the Mother Transmitter is tapped 15 times within 6 seconds, the Infant Transmitter ID is erased and the Red LED is illuminated. At this point, the Mother Transmitter returns to Idle Mode.	This mode enables you to erase an incorrect Infant ID and start over with the Mother Transmitter in Idle Mode.
Automatic Match	If you tap the Mother Transmitter once, then you return to Manual Mode. In this case, the Green LED on the Mother Transmitter flashes.	This mode is the mode that senses a linked Mother and Infant Transmitter after they have been succesfully linked for the duration of their stay.

To program a Mother Transmitter with RFT banding material

1   Fasten the Mother Transmitter onto the mother..

The Mother Transmitter automatically enters link mode .

For information about Fastening the Mother Transmitter, see pg.6.

2   Bring the infant with a fastened Infant Transmitter within 10 to 12 inches of the Mother Transmitter to link the two.

When the Mother and Infant Transmitters are successfully linked, the Green LED on the Mother Transmitter illuminates and sounds a single beep.

> **NOTE**: If the Mother Transmitter is not linked with an Infant Transmitter within 2 minutes from the time it is fastened, you must tap the Mother Transmitter once to reactivate Link Mode.

3   Tap the Mother Transmitter again to end the Link Mode.

4   To verify that the transmitters are linked, place the infant within 10 to 12 inches of the Mother Transmitter.

5   Tap the tag and wait for the Green LED.

If a Red LED flashes three times and the Mother Transmitter beeps three times, then there is a mismatch.

Follow your facility's established procedures in the event of a mismatch.

To program a Mother Transmitter without RFT banding material

1   Tap the transmitter 15 times within 6 seconds to clear or reset the transmitter.

A Red LED appears indicating that the Mother Transmitter is clear.

2   After the transmitter beeps and lights, single tap the Transmitter again.

This enables the tag so that it is ready to link the Infant Transmitters.

3   Bring the infant with a fastened Infant Transmitter within 10 to 12 inches of the Mother Transmitter to link the two.

When the Mother and Infant Transmitters are successfully linked, the Green LED on the Mother Transmitter illuminates and sounds a single beep.

4   Tap the Mother Transmitter again to end the Link Mode.

5   To verify that the transmitters are linked, place the infant within 10 to 12 inches of the Mother Transmitter.

6   Tap the tag and wait for the Green LED.

If a Red LED flashes three times and the Mother Transmitter beeps three times, then there is a mismatch.

Follow your facility's established procedures in the event of a mismatch.

> ⚠ **WARNING:** If a Mother Tag's banding material is cut, the system issues a cut band to the Client computer and waits 30 minutes for Mother Transmitter to be rebanded. If the band is not repaired, the system automatically removes the mother from the system.

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