

## Product Summary

The Motion Detector IMD 210/601/701 is a wireless, indoor motion detector designed for use in a Videofied™ security system. The motion detector includes the following features:

- > Lithium batteries for long life
- > Standard motion coverage lens (30 ft./9 m distance)
- > Dual tamper function provides detection of both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes



## Installation Guidelines

For an easier installation, programming and RF testing should be done to check for good communication between the control panel and all system devices before mounting.

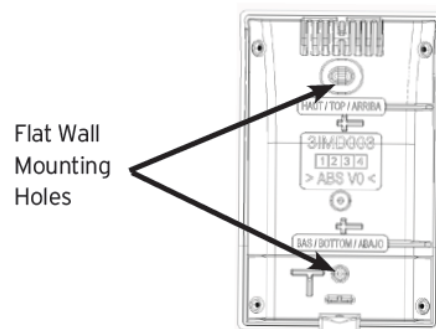
Install the detector and other system devices in the following order:

- > Programming / RF Testing: Program detector and all other devices into the control panel and test RF communication at each intended device location to the control panel.
- > Mounting: Mount detector at the tested location.

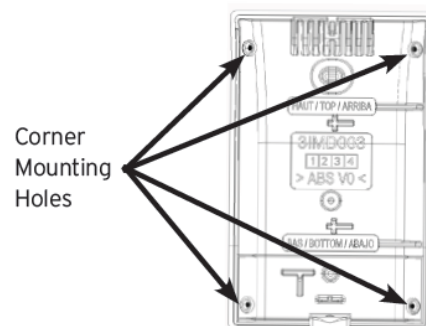
### Mounting Rules

- > Use proper tools and hardware.
- > Mount indoors in a temperature controlled environment.
- > Mount detector 2.0 to 2.3 m (6.6 to 7.5 ft.) from the floor.
- > Respect Top and Bottom side of the Motion Viewer
- > When possible, mount in a wall corner in order to aim at a complete room
- > Mount detector on an outside wall, aimed at area to protect.
- > Do not aim detector at windows, especially those that let in direct sunlight, or at heat sources such as lamps, fireplaces, radiators, and heating vents.
- > Do not aim detector at moving objects such as curtains, fans or animals.
- > Do not cover the Fresnel lens

### Flat Wall Mounting



### Corner Mounting

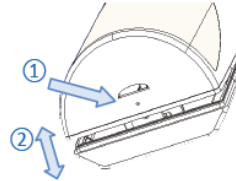


### Programming/RF Testing/Mounting

The following provides summarized steps for device programming, testing, and mounting. For complete details, refer to the control panel installation manual.

- 1 Loosen bottom screw. ① (if present)

Separate base from IMD. ②

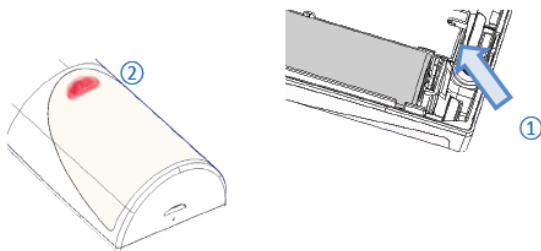


- 2 Install 1 SAFT LS14500 3.6v batteries, observing correct polarity.

\*Check that the LED flashes before staying RED

- 3 Put control panel into programming/configuration mode.
- 4 Using a programmed alphanumeric keypad, proceed through menus until the display shows ADD A NEW DEVICE.
- 5 Press **Yes**. The display shows PRESS PROGRAM BUTTON OF DEVICE.
- 6 Press and release program button on the IMD using your finger or a screw driver ①.

The IMD LED flashes red ②.



Wait for keypad display to show DETECTOR (1 - 24) PROGRAMMED.

- 7 Press **Yes**. The display shows RADIO RANGE TEST? Press **Yes** again. The IMD LED starts flashing and keypad display shows TEST IN PROGRESS.
- 8 Move the IMD to the intended mounting location and make sure you receive a 9/9 indicating good communication with the control panel.

- 9 Press **YES** to end the Radio Range Test, then press **ESC/NO**.

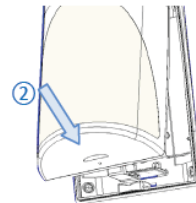
- 10 The display shows AREA ALLOCATION; AREA: 1. Press either arrow button on the keypad until the desired AREA number appears, then press **YES**. By default all devices in area 1 will be subject to the entry and exit delays.

- 11 The display shows NAME + LOCATION:

Enter an appropriate device name (up to 16 characters). The name of the device should describe its intended mounting location or zone. Press **YES**. The display will show the device number and name for your verification.

- 12 Mount the IMD on the wall:

- Follow the mounting rules on page 1
- Hold the IMD base against the mounting surface and mark the appropriate mounting holes.
- Drill pilot holes and install anchors where needed.
- Place base on mounting surface so that the pilot holes line up and secure base with appropriate screws.
- Attach detector to base and secure with screw if required.



- 13 Press **YES**. The display shows FUNCTIONAL DEVICE TEST? Press **YES** again and verify IMD operation. For example, wave your hand in front of the sensor to activate the LED which indicates detection.

- 14 Press **YES** to end the detection verification

- 15 The display shows ADD A NEW DEVICE? Repeat steps 1-14 for remaining Devices.

- 16 When finished, exit from configuration mode by pressing and holding the **ESC/NO** for 5 seconds.

**(EN) Security notes / (FR) Notes de sécurité / (DE) Hinweise zur Sicherheit****English**

- > Remove battery before any maintenance!
- > **WARNING, there is a risk of explosion if a battery is replaced by an incorrect type!**
- > Observe polarity when setting up the batteries!
- > Do not throw used batteries! Bring them to your installer or a collection point.

**Français**

- > Retirez les piles avant toute opération de maintenance !
- > **Attention ! Il y a un risque d'explosion si l'une des piles utilisées est remplacée par une pile de type incorrect !**
- > Respectez la polarité lors de la mise en place des piles !
- > Ne jetez pas les piles usagées ! Ramenez-les à votre installateur ou à un point de collecte spécialisé.

**Deutsch**

- > Batterien vor jeglichen Wartungsarbeiten entfernen!
- > **Vorsicht, es besteht Explosionsgefahr, wenn eine Batterie durch eine Batterie falschen Typs ersetzt wird!**
- > Achten Sie beim Einsetzen der Batterien auf die Polung!
- > Entsorgen Sie Batterien nicht im normalen Haushaltsmüll! Bringen Sie Ihre verbrauchten Batterien zu den öffentlichen Sammelstellen.

**FCC Regulatory Information for USA and CANADA**

FCC Part 15.21 Changes or modifications made to this equipment not expressly approved by RSI VideoTechnologies may void the FCC authorization to operate this equipment.

**FCC Part 15.105 Class B**

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:

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

**Radio frequency radiation exposure information according 2.1091 / 2.1093 / OET bulletin 65**

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance of 20 cm between the radiator and your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

This device complies with Part 15 of the FCC Rules and with RSS-210 of Industry 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.

*Cet appareil est conforme à la Partie 15 des réglementations de la FCC et avec la norme RSS-210 de l'Industrie Canadienne. Son fonctionnement est soumis aux deux conditions suivantes :*

- (1) Cet appareil ne doit pas causer d'interférences nuisibles et*
- (2) Cet appareil doit accepter toute interférence reçue, y compris les interférences pouvant entraîner un fonctionnement indésirable.*

## Properties

Panel Compatibility XL, Visio, XT, XTIP, XV

### Power requirements:

Type	C
Nominal Voltage	3.6v
Low battery limit	2.7v
Battery type	SAFT, AA, Lithium, LS14500
Quantity	1
Battery life (estimated)	Up to 4 years

### Current Consumption:

Standby (1h average)	35 uA
Max	70mA

### RF Technology:

S<sup>2</sup>View® Bidirectional Radio

Central Frequency	868MHz : IMD210(Europe, Africa, Asia)
	915MHz : IMD601(USA, Canada, South America)
	920MHz : IMD701(Australia, South America)
Radio type	Spread Spectrum Bidirectional RF
Transmission security	AES algorithm encryption
Supervision	Panel polls devices every 8 minutes
Antenna	Integrated

### Tamper:

Wall and cover tamper

### PIR Performance:

Technology	Passive infrared DSP
Type	Dual element
Lens	Fresnel
Detection Angle	90°
Detection Distance	Up to 40 ft/12m
Motion Detection pattern	24 facets

## Physical Data

Operating temperature	14° to 104° F (-10° to +40° C)
Maximum relative humidity	75%, non-condensing
Material	ABS-ULVO
<b>Dimensions:</b>	(LxWxD): 2.75 x 2 x 1.5in
	51.2 x 80.9 x 36.8mm
Weight	3 oz./82 g (without battery)

## Installation / Mounting

Mounting Height 2 to 2.3m / 6.5 to 7.5ft

### Mounting on Wall:

On Flat Wall	With 2 x Screws
In Corner	With 4 x Screws

### Closing of the Casing:

Closing by clip or with screw if required by local legislation

## Certifications & standards

### 868MHz

#### Standards :

EN60950-1:2006+/A1:2009+/A1:2010
EN300220-1 V2.3.1
EN300220-2 V2.3.1
NF EN50130-4:1995+/A1:1998+/A2:2003;
NF EN50130-5:1998 Classe II
NF EN50131-2-2:2009 - Grade 2
NF EN50131-5-3:2005 - Grade 2
NF EN50131-6:2008 Grade 2 -Type C

#### Certifications

Europe	CE / EN50131 Grade 2
Pays-Bas	NCP
Singapour	IDA
Afrique du Sud	ICASA

### 915MHz FHSS

#### Certifications

USA	FCC Part 15C (FCC§& CFR Part 15)
CANADA	IC (RSS-210 Issue 8)

### 920MHz

#### Certifications

Australia	C-Tick (AS-NZS4268)
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### EMEA SALES

23, avenue du Général Leclerc  
92340 BOURG-LA-REINE  
FRANCE  
Hotline: +33 (0)820 846 620  
Fax: +33 (0)1 82 69 80 10

### USA SALES

1375 Willow Lake Blvd.  
Vadnais Heights, MN 55110  
USA  
Hotline: +1 877 206 5800  
Fax: +1 651 762 4693

[www.videofied.com](http://www.videofied.com)

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