

## Product presentation

The CT universal door contact is designed for use with Videofied™ wireless security systems.

The contact includes the following features :

- Completely wireless and powered by a Lithium battery
- Dual tamper function provides detection for both wall and cover tamper
- Transmits check-in/status signal every 8 minutes
- Wired input for wired detectors connection

## 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 the screw, open the box and insert the batteries.
- 2 Close the box and tighten the screw.
- 3 Put control panel into configuration mode.
- 4 Using a programmed keypad, proceed through menus until the display shows ADD A NEW DEVICE.
- 5 Press YES/OK. The display shows PRESS PROGRAM BUTTON OF DEVICE.
- 6 Using a paperclip, press and release the contact INIT button.

The contact LED flashes. Wait for the keypad to display DETECTOR (1-24) RECORDED.

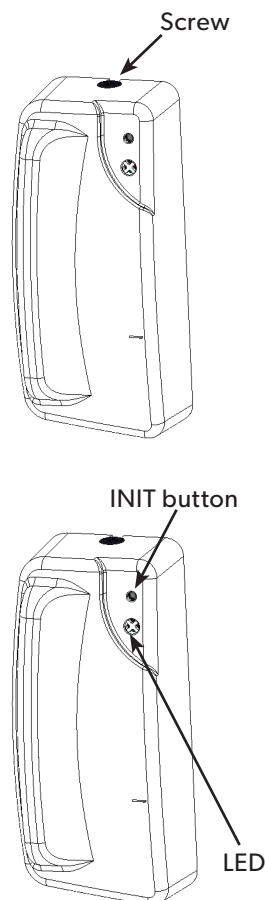
- 7 Press YES/OK. The display shows RADIO RANGE TEST?

Press YES/OK again. The detector LED starts flashing and keypad display shows TEST IN PROGRESS.

- 8 Take the detector to its intended mounting location and make sure that the LED flashes continuously, indicating good communication with the control panel.

- 9 Press YES/OK to end the radio range test then press ESC NO.

- 10 The display shows AREA ASSIGNMENT AREA: 1. Press either arrow button repeatedly until desired AREA number appears, then press YES/OK.



## Installation guidelines

For easier installation, programming and RF testing should be done to check proper communication between the control panel and all system devices before mounting system devices. 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 from each intended device location to the control panel.
- > Mounting - Mount detector at the tested location.

- 11 The display shows PERIMETER DEVICE?

Press YES/OK or ESC NO, whichever is appropriate for this device (a device configured as PERIMETER will be armed for the "E" and perimeter special arming modes, only contacts protecting the external accesses should be configured for perimeter arming).

- 12 The display shows NAME + LOCATION:

Enter appropriate device name/location (up to 16 characters), then press YES/OK. The display shows the device number and name for confirmation.

- 13 Press YES/OK. The display shows:

FUNCTIONAL DEVICE TEST?

**Caution: the panel records the current state of the detector and the current state of the wired input as being the normal state at the beginning of the functional device test :**

- The door contact must be closed at the beginning of the detection test to be configured as Normally Closed NC.
- If the wired input is open when recorded, it will be configured as Normally Open NO (and conversely).

**That setting cannot be changed unless the contact is deleted from the panel programming and recorded again.**

Press YES/OK again and verify detector operation. For example, move the magnet next to the detector to make the LED go off, then move the magnet away from detector to make LED turn on indicating detection.

- 14 Press YES/OK to end detection verification.

- 15 The display shows ENTERING A NEW DEVICE?

Repeat steps 1 - 14 for remaining detectors.

## Mounting procedure

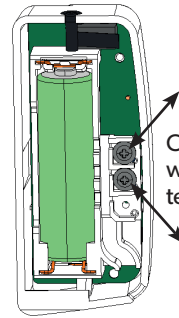
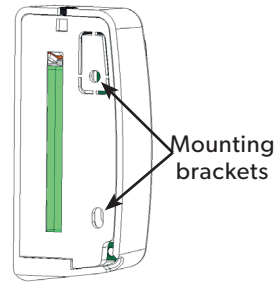
- > Use proper tools and hardware.
- > To prevent false triggering the magnet must be aligned with the upper part of the contact, following the markings. Use the plastic adapters to align the magnet.
- > The magnet must always be mounted on the mobile part (door).

*Note: do not install the contact and its magnet on a ferromagnetic support*

- > The distance between the magnet and the contact must be lower than 1 cm.
- > Install that device indoors with a controlled temperature.

*Note: if only the wired input is used, installing the magnet is not needed.*

- 1 Remove the base from the contact.
- 2 Hold the base against the wall and mark the mounting points.
- 3 Drill.
- 4 Mount the base on the wall.



- 5 If using the wired input, connect 2 AWG22 wires from the wired detector to the input terminals.

- 6 Mount the detector on its base and lock with the screw.

- 7 Insert the magnet in its case.

- 8 Use the plastic parts to place the magnet next to the detector.

- 9 Hold the magnet base against the wall and mark the mounting points.

- 10 Drill.

- 11 Fix the mounting with the appropriate screws.

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

- Remove the batteries before any maintenance !
- **WARNING**, there is a risk of explosion if a battery is replaced by an improper model !
- Observe polarity when setting up the batteries!
- Do not litter the batteries when they are used! Dispose of them properly according to Lithium Metal requirements

**Français**

- Retirez les piles avant toute opération de maintenance !
- **Attention !** Il ya un risque d'explosion si la batterie utilisée est remplacée par un mauvais modèle !
- Respectez la polarité lors de la mise en place des piles !
- Ne jetez pas les batteries 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 falschen Modells 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 Video Technologies 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.

Cet équipement est conforme aux limites d'exposition aux rayonnements IC établies pour un environnement non contrôlé.

Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance entre la source de rayonnement et votre corps.

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 Industry Canada licence-exempt RSS standard(s)

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.

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.

## ELECTRICAL PROPERTIES

<b>Panel compatibility</b>	W, X and VISIO panels
<b>Battery</b>	Type C - LS14500 SAFT - Lithium battery
Nominal voltage	3 V
Low battery limit	2.7 V
Estimated battery life	Up to 4 years
<b>Current consumption</b>	
Standby (1h average)	30 $\mu$ A
Max	70 mA (with alarm and communication)

## RADIO PROPERTIES

<b>RF S2View® technology</b>	
Radio type	Spread spectrum RF bidirectional
Operating frequency	<ul style="list-style-type: none"> <li>• 868MHz - CT201 (Europe, Africa, Asia)</li> <li>• 915MHz - CT601 (Americas)</li> <li>• 920MHz - CT702 (Australia, Chile, Peru, Paraguay)</li> </ul>
Transmission security	AES algorithm encryption
Supervision	Radio, batteries, tamper
Radio antenna	Integrated

## DETECTION PROPERTIES

<b>Internal detection</b>	I.L.S with provided Alnico magnet
Axis of detection	3 axis (X, Y, Z)
Opening detection distance	2.3 cm (axis Y & Z) 1.4 cm (axis X)
Closing detection distance	2 cm (axis Y & Z) 1.2 cm (axis X)
<b>External detection</b>	Wired input
Max wire length	16m
Input type	NC or NO (recorded during detection test)
<b>Tamper</b>	
Tamper detection	Cover and wall tamper

## BOX

<b>Physical properties</b>	
Material	ABS UL94-V0
Dimensions	79.3 mm x 35 mm x 24.6 mm
Weight	32 g (without battery)
<b>Environmental properties</b>	
Operating temperature	-10°/+55°C
Max relative humidity	75%, without condensing
<b>Installation / Mounting</b>	
Mounting support	Non-ferromagnetic surface (ex : wood)
Wall mounting	2 screws
Box sealing	1 screw

## STANDARDS AND CERTIFICATIONS


**868MHz (CT 201)**

Compliant with the annex IV of the R&amp;TTE Directive 1999/5/EC


**915MHz (CT 601)**

USA FCC	Part 15C
Canada IC	RSS-247 Issue 1


**920MHz (CT 702)**

Australia RCM	AS/NZS4268
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This symbol on the product or on its packaging indicates that this product should not be treated as household waste. It must be handed over to the applicable collection point for the recycling of electrical and electronic equipment. By ensuring this product is disposed of correctly, you will help prevent potential negative consequences for the environment and human health. The recycling of materials will help to conserve natural resources. For more information about recycling of this product, please contact your local municipality, your waste disposal service or the company that installed the product.

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The EC declaration of conformity of this product is available by flashing that QR code :

