

### MAIN FEATURES

- > External input
- > Three working modes: internal reed switch only, external input only, internal switch and external input
- > Dual tamper

### Description

The **Door Contact Models CT** is a battery operated, wireless door contact designed for use in Videofied security systems. Door contacts are intended for use in detecting the opening and closing of doors, windows, or cabinet doors/drawers.

The CT consist of a switch detector with S2View® spread spectrum, Videofied, interactive, encrypted wireless circuitry for secure two-way communications with the control panel. A dual tamper function provides detection for both wall and cover tamper. The transmitter is typically installed on the stationary surface of an opening (door frame or window frame), while the magnet is installed on the door or window.

With the door or window closed, the magnetic field forces a reed switch inside the detector to close, creating a secured condition. When the alarm system is armed and the door or window is opened, the detector transmits an open signal. The control panel receives this signal and responds according to system configuration/programming.

The external input terminals accepts a normally closed remote switch. You can also connect a dry closed circuit (no power) from standard hardwire intrusion or smoke/heat detectors. An internal jumper selects the sensors mode of operation, whether the internal reed switch, external input, or both are active.

The detector is powered by one lithium battery that can last up to four years, depending on the amount of detector activity. The detector transmits a check-in signal every eight minutes that includes its unique identification code along with the current alarm state, tamper conditions, serial number, date of manufacture, software version and battery status.



### Features

- > S2View® - Spread Spectrum, Videofied, Interactive, AES Encrypted Wireless technology provides optimum signal integrity and security.
- > Supervised - transmits a check-in/status signal every 8 minutes indicating open/closed state, tamper conditions, serial number, date of manufacture, software revision and battery status.
- > Dual tamper - provides detection for both wall and cover tamper.
- > External input - accepts normally closed (NC) dry (no power) circuits from standard hardwire intrusion devices, including fast response devices.
- > Three working modes: internal reed switch only, external input only, internal switch and external input.
- > Lithium battery - up to four years.

### Applications

#### Residential

- > Doors
- > Windows
- > Cabinet doors/drawers
- > Other similar openings

#### Commercial

- > doors
- > Windows
- > Overhead garage doors
- > Cabinet doors/drawers
- > Other similar openings

## 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.

## Electrical Data

Panel Compatibility XL, XLL, Visio, XT, XT-iP, XV, XV-iP, XTO

### Power requirements

Nominal Voltage 3.6V

Low battery limit 2.7V

QTY and Battery Type One 3.6V Lithium battery

Battery type SAFT Lithium, LS14500

Battery life Up to 4 years

### Current Consumption

Standby 30 uA

Max 70mA

Axis of detection Three axis (X, Y, Z)

Opening Detection Distance .9in (2.3cm)

Closing Detection Distance .8in (2.0cm)

RF technology S2View®

Radio type Spread Spectrum Bidirectional RF

Operating frequency 868 MHz

915 MHz

920 MHz

Transmission security AES algorithm encryption

Supervision Polled signal every 8 minutes

Antenna Integrated

Tamper detection Wall and cover tampered

External terminal input type Normally closed (NC)

Working modes 1-internal reed switch only

2-external input only

3-internal switch and external input

Mode selection Jumper wire on 3-position terminal block

Maximum external wire length 16 m/50 feet

Operating temperature -10°/+40°C (14°/104°F)

Maximum relative humidity 75%, non-condensing

## Physical Data

Material Plastic: ABS—ULVO

Magnet Alnico 5

Dimensions 80 mm x 35 mm x 23 mm

(LxWxD): Detector: 3 1/8 in. x 1 3/8 in. x 1 in.

Weight: Detector 40 g/1.4 oz. –without battery

## Installation / Mounting

Detector One screw secures detector to base;

two screws secure detector to mounting surface.

Magnet Two screws secure magnet

assembly to mounting surface.

Spacing Maximum 10mm (3/8) in gap

between detector and magnet.

## Certification & Approvals

CT601

FCC Part 15C

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