



## Description

The Door Contact Models CT 701 are battery operated, wireless door contacts 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 701 consist of a switch detector with S<sup>2</sup>View® 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.

## Applications

### Residential

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

### Commercial

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

## Features

- > S<sup>2</sup>View® - 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.
- > Two colors - available in white or brown.



CT means CT601(white)/CT611(brown) for USA/Canada, CT701(white)/CT711(brown) for Australia/Singapore and CT201(white)/CT211(brown) for Europe and rest of the world.

### Electrical Data

Power requirements	One 3.6 V battery
Battery type	Lithium, LS14500
Battery life	Up to 4 years
RF technology	S <sup>2</sup> View <sup>®</sup>
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	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
Operating temperature	0°/+40°C
Maximum relative humidity	70%, non-condensing
Approvals	CE / EN50131 / EN300220 / INCERT/IDA / NCP (CT201/211)
	FCC (CT601/611)
	A-Tick (CT701/711)

### Physical Data

Material	Plastic: ABS—ULV0
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.

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