

Product Summary

The Door Contact Models CT601 is a wireless door/window contact designed for use with RSI VIDEO Technologies security systems. The contact includes the following features:

- > Lithium battery for long life.
- > External input for normally closed (NC) intrusion devices.
- > Dual tamper function provides detection for both wall and cover tamper.
- > Transmits check-in/status signal every 8 minutes.

Installation Guidelines

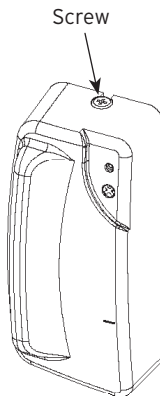
For easier installation, programming and RF testing should be done to check for good communication between the control panel and all system devices before mounting system devices. Install the detector and other system devices in the following order:

- > 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.

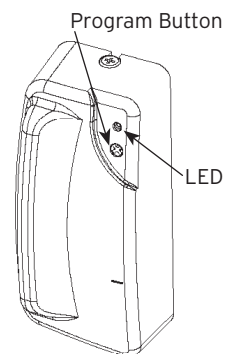
Programming/RF Testing

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




- 1 Loosen bottom screw, separate base from detector and install battery.
- 2 Re-attach base to secure tamper switch.
- 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 detector using a paper clip end. The detector LED flashes. Wait for keypad display to show DETECTOR (1 - 25) RECORDED.
- 7 Press **Yes**. The display shows RADIO RANGE TEST? Press **Yes** again. The detector LED starts flashing and keypad display shows TEST IN PROGRESS.
- 8 Take detector to its intended mounting location and make sure LED flashes continuously, indicating good communication with control panel.
- 9 Press **Yes** to end radio range test, then press **Esc/No**.



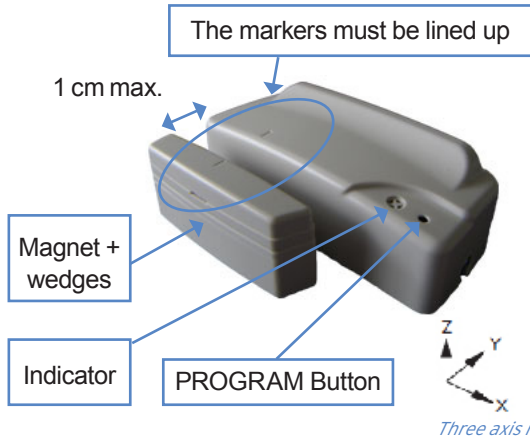
- 10 The display shows AREA ASSIGNMENT AREA: 1. Press either arrow button repeatedly until desired AREA number appears, then press **Yes**.
- 11 The display shows PROTECT AN EXTERNAL ACCESS? Press **Yes** or **Esc/No**, whichever is appropriate for this device.
- 12 The display shows NAME + LOCATION. Enter appropriate device name/location (up to 16 characters), then press **Yes**. The display shows the device number and name for your verification.
- 13 Press **Yes**. The display shows FUNCTIONAL DEVICE TEST? Press **Yes** again and verify detector operation. For example, move magnet next to detector to make LED go out, then move magnet away from detector to make LED turn on indicating detection.
- 14 Press **Yes** to end detection verification.
- 15 The display shows ENTERING A NEW DEVICE? Repeat steps 1 - 14 for remaining detectors.
- 16 When finished, exit from configuration mode.



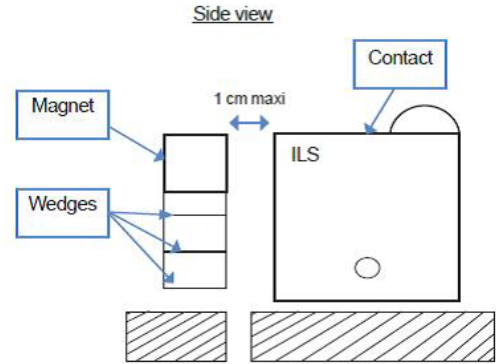
Remark: Only recorded contacts protecting the external access will be concerned by the Perimeter arming.

Use the keypad to activate Perimeter only arming. Press on  (to activate the keypad), then  shows on the keypad enter a user code and validate with the key .

PERIMETER ARMING
> BADGE OR CODE



Three axis movement detection



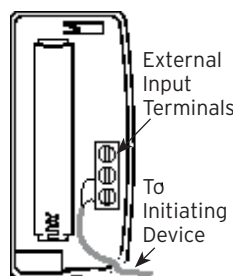
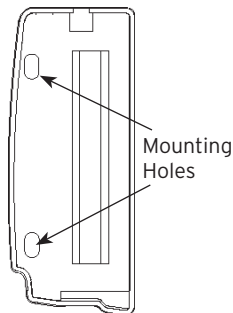
- > For the magnet to have proper detection, it must be positioned on the high part of the contact facing the ILS, use the supplied wedges if needed. (see the diagram opposite).
- > Magnet should always be positioned on the mobile part.

Mounting

- > Use proper tools and hardware.
- > Mount indoors in a temperature-controlled environment.
- > Mount detector on frame and magnet assembly on movable opening (door, window).
- > When using internal switch, mount so that detector and magnet alignment marks are lined up with each other.
- > When using internal switch, do not exceed 10 mm (3/8") gap between detector and magnet.
- > Magnet spacers must be used to match magnet height with detector to ensure correct alignment and functionality.

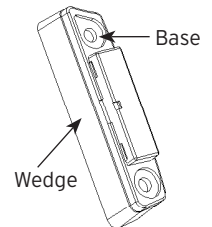
Note: If detector installation only requires use of the external input, magnet assembly installation is not required.

- 1 Separate base from detector.
- 2 Hold detector base against mounting surface and mark the two mounting holes.
- 3 Drill pilot holes into mounting surface.
- 4 Mount detector base to surface using appropriate screws.
- 5 If using external input, run 2-conductor, 22-gauge wire from protection point to detector.
- 6 Connect hardwire circuit wires to external input screw terminals.
- 7 Connect other end of wires to initiating device and install the battery.
- 8 Attach detector to base, making sure every wire is secure with screws.



- 9 Attach wedges to magnet holder as needed to match height of detector.
- 10 Hold magnet base against mounting surface and mark the two mounting holes.

Note: Be sure alignment marks on detector and magnet base are lined up with each other and that there is no more than a 10 mm (3/8") gap between them.



- 11 Drill pilot holes into mounting surface.
- 12 Insert screws through magnet base and wedges, then secure to mounting surface.
- 13 Attach cover to magnet holder.

Internal Reed Switch



The internal jumper shown in position for possible connections.

External Reed Switch



1. Internal reed switch only

Int + Ext Reed Switch



2. External reed switch only

3. Both Int. and Ext. switch use

External Input Terminal, Jumper position and wiring

Note: The internal jumper wire is only used for internal or external switch use. The jumper is not used when both Int. and Ext switches are used together. The default jumper position is in the Internal switch mode. It only has to be changed if wiring external switches to the transmitter.

Electrical Data

Panel Compatibility	Visio, XT, XL, XTIP
Power requirements	
Type	C
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	S ² View®
Radio type	Spread Spectrum Bidirectional RF
Operating frequency	915 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
Approvals	FCC Part 15C

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.

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.



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