

# TX-E221 Recessed Door/Window Sensor 319.5 MHz

## Installation Sheet

### Enrolling

To enroll the sensor, set your panel into program mode. Then go to the Learn Sensors menu. Refer to your specific alarm panel manual for details on these menus. With the battery installed, activate the case tamper by removing the cap on the transmitter. Press and release the tamper switch on the top of the contact circuit board until the panel responds to the sensor. Then select the appropriate sensor group and number.

### Mounting

The recessed sensor and magnet are designed to fit tightly in a  $\frac{3}{4}$ " (19.05mm) hole. A small flange on the outer rim ensures the case cannot be pushed too far into the hole.

Choose a suitable location for the sensor by following the procedure in the section "Testing the Sensor" ensuring desired signal strength is achieved. Drill a  $\frac{3}{4}$ " x 2.5" (19.05 x 63.5mm) inch hole in the door for the sensor. Mark the location for the magnet in the frame directly in line with the sensor and drill a  $\frac{3}{4}$ " x  $\frac{1}{2}$ " (19.05 x 12.7mm) hole for the magnet.

Where possible, install sensors within 100 ft. (30 m) of the panel. While a transmitter may have an open-air range of 500 ft. (150 m) or more, the environment at the installation site may have a significant effect on operational range. Changing a sensor location may improve wireless communication.

### Testing the Sensor (Test Weekly)

The sensor test verifies proper communication between the sensor and the panel/receiver. To test the sensor, refer to the specific panel/receiver documentation and do the following:

1. Put the panel/receiver into sensor test mode.
2. Open the door/window the sensor is protecting. The sensor transmits a signal.
3. Listen for siren beeps to determine the appropriate response.
4. Exit sensor test mode.

### Installing / Replacing the Battery

When the battery is low, a signal will be sent to the control panel. To install/replace the battery:

1. Remove the cap on the transmitter.
2. Take note of how the circuit board fits into groves on the side of the case.
3. Carefully slide out the circuit board.
4. Inspect the battery holder to determine which side the battery is inserted / removed.
5. Install / replace with a CR-2 battery ensuring the + side of the battery faces the circuit board.
6. Re-insert the circuit board so that the board slides within groves in the plastics.
7. Once in, replace the cap.

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**Note:** Removing the cover will trigger a zone tamper signal to the control panel.

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## Specifications

Frequency	319.5MHz
Battery	3V lithium CR-2
Battery Life	5 years
Operating Temperature	32°-120°F (0°-49°C)
Operating Humidity	5-95% RH non condensing
Magnet Gap	1" (25.4mm) max
Supervisory Signal Interval	60 min (approximately)
Compatibility	Interlogix Learn Mode Panels and Receivers

## FCC Compliance Statement

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.

Changes or modifications not expressly approved by UTC Fire and Security could void the user's authority to operate the equipment.

This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

In accordance with FCC requirements of human exposure to radiofrequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm is maintained from the general population.

FCC: XQC-WST221  
IC: 9863B-WST221

This Class B digital apparatus complies with Canadian ICES-3B.  
Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

## Contact information

For contact information, visit us online at [www.interlogix.com](http://www.interlogix.com).  
For technical support, see [www.interlogix.com/support](http://www.interlogix.com/support)

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