

TX-E231 Door/Window Sensor With External Contact Input 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. When prompted by the panel:

- Touch the magnet to the side of the sensor that has three white lines. This will send a signal to the control panel using the serial number printed on the back of the sensor. OR
- Connect the provided external wire, and short the wires together.
- Select the appropriate sensor group and number

Note: You cannot use both the external wire input and the magnet/reed switch at the same time. When using the magnet, the external wires must be disconnected.

Mounting

One side of the sensor is marked with 3 lines; this indicates the location of the reed switch. The magnet should be mounted facing this side of the sensor, and be no further than 5/8" (15.875mm) from the sensor.

Included with this device is double sided tape for the contact and the magnet. Choose a suitable location for the sensor by following the procedure in the section "Testing the Sensor" ensuring desired signal strength is achieved. For reliable bonding, ensure the surface is clean and dry. Apply the tape to the sensor and then to the desired location. Apply firm pressure for several seconds.

Note: When mounting with double sided tape, ensure temperatures are above 50°F and will remain above 50°F for at least 24 hours to ensure proper bond. After 24 hours, the bond will hold at lower temperatures.

In addition, a mounting back plate with screws is provided. Simply screw the back plate onto the mounting surface and snap the sensor onto the mounting plate.

To remove the sensor from the mounting plate, first remove the cover. At the bottom of the sensor (closest to the battery) a small tab will be visible. Use a small flat head screwdriver to press the plastic tab towards the wall, and then slide the sensor up.

Note: Do not use the tape to secure the mounting plate to the wall.

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.

Interchangeable Covers

The contact comes from the factory assembled with a white cover, but included is an optional brown cover. To change the cover, slide the front cover to disengage it from the sensor then remove. Replace with the desired cover ensuring the Top (as marked on the inside of the cover) points away from the battery. You should hear a click when the cover engages and disengages from the sensor. You do not need to replace the back plastic because once mounted the back is not visible. To replace the magnet cover you will need to gently pry the white cover off with a flat head screw driver and snap the brown cover in place.

Installing / Replacing the Battery

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

1. Slide the top cover to disengage it from the sensor. Then remove it to reveal the battery.
(Removing the cover will trigger a zone tamper signal to the control panel.)
2. Install / replace with a CR2032 battery ensuring the + side of the battery faces towards you.
3. Re-attach the cover. Ensure the Top (as marked on the inside of the cover) points away from the battery.
You should hear a click when the cover engages properly.

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.

Specifications

Frequency	319.5MHz
Battery	3V lithium CR2032 (225 mAh)
Battery Life	5-8 years
Operating Temperature	32°-120°F (0°-49°C)
Operating Humidity	5-95% RH non condensing
Magnet Gap	5/8" (15.875mm) max
Supervisory Signal Interval	60 min (approximately)
External Contact Input	Normally Closed
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 licence-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-WST231

IC: 9863B-WST231

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.

For technical support, see www.interlogix.com/support

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