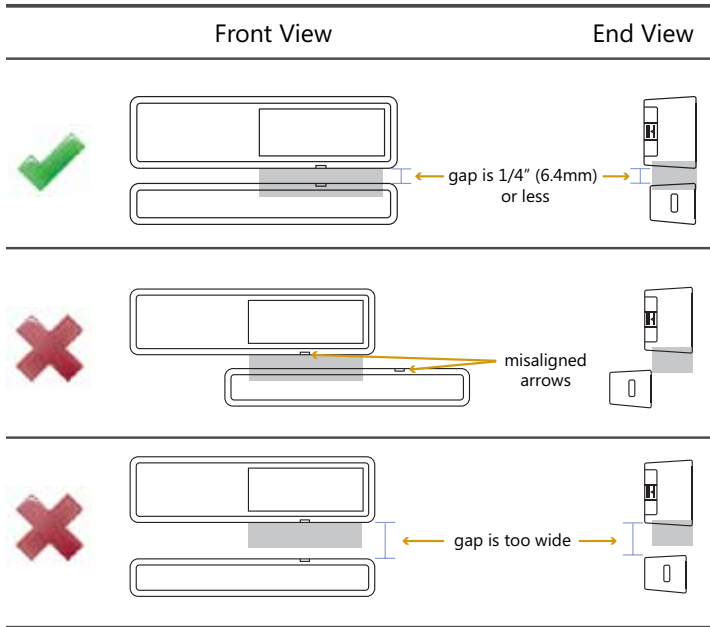The proximity of the magnet to the sensor is important for proper detection. The alignment arrows on the sensor and the magnet must point to each other and the gap between them must not exceed .25 inch (6.4mm) in any direction.

Alignment Guidelines

Installation

1. Based on your requirements, decide where you want to install the sensor and the magnet. For door installations, locate the sensor:

   • On the knob side of the door jamb, away from hinges.
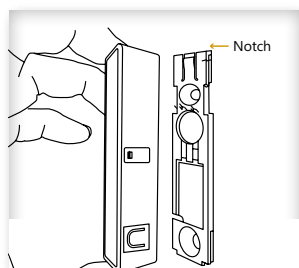   • At least 1 ft. (30 cm) above the floor to avoid damage.

   For window installations, make sure the location does not expose the sensor to contact with water.

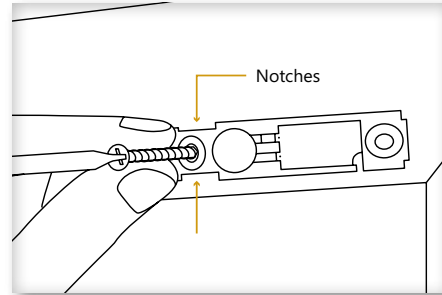2. Follow the alignment requirements that are described in the Planning section.

   NOTE: For easy access and handling, it is recommends that the sensor be linked to a transceiver before installing it, see the Linking section.

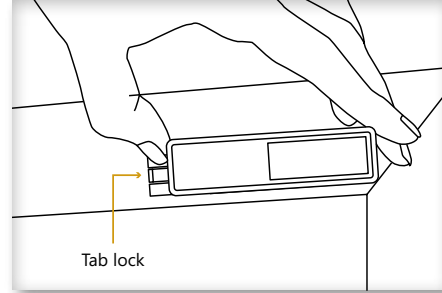3. Install the sensor on the interior side of the fixed frame.
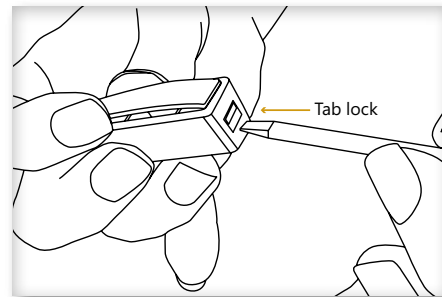
   A. Remove the mounting bracket from the sensor.

B. Position the mounting bracket and mark the two mounting screw drill points.

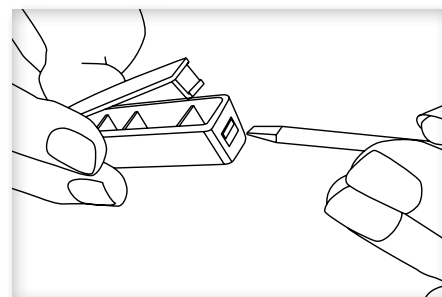C. Insert the first screw loosely and level the mounting bracket.

D. Install the second screw, and then hand-tighten the first screw.

E. Snap the sensor onto the mounting bracket where the notches are located.

F. Slide the sensor on the bracket until it snaps into place on the tab lock.

4. Install the magnet on the moving part of the door or window.

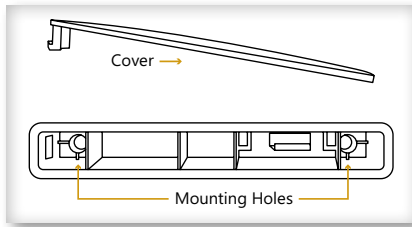   A. Use a screwdriver to press the tab lock and flex the magnet cover to remove it.

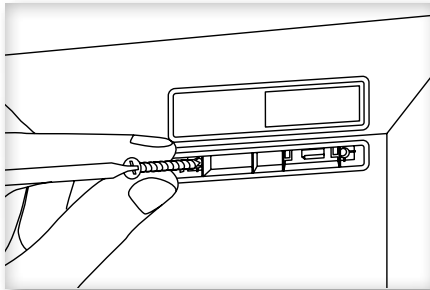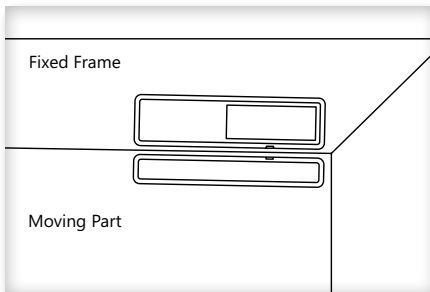   The cover is removed from the magnet body.

The two mounting holes are exposed.

B. Position the magnet with the proper spacing and alignment, and then install it with the provided screws.

C. Replace the magnet cover and snap it into place on the tab lock.

NOTE: For low activity applications, the magnet can be mounted with double-sided tape (not included).
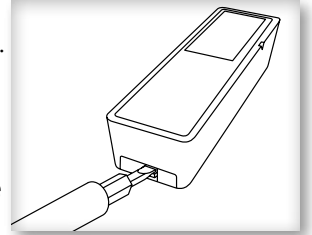
5. Check the alignment arrows and the distance between the sensor and magnet when the door or window is closed.

TIP: There is a faintly audible click when the sensor and magnet close and open.

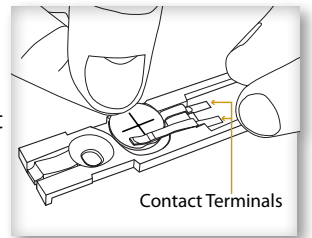## Installing Supplemental Battery (optional)

If the sensor is installed where the light levels are consistently too low or there are days of darkness, battery power can be used to supplement the solar energy harvester. Only use a CR1216 battery.

1. Press the tab lock to release the sensor from the mounting bracket.

2. Slide the sensor about ½" (1 cm) and remove it from the mounting plate.

3. Insert the battery with the positive pole (+) up and slide it between the two contact terminals with your finger.

WARNING: Ensure the battery is properly oriented. Improper handling of lithium batteries may result in heat generation, explosion, or fire.
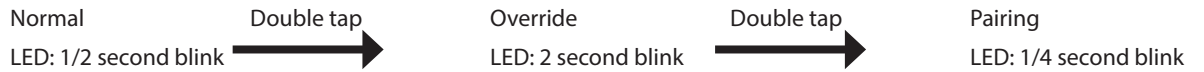
4. Replace the sensor on the mounting plate and slide it until it snaps into place.

5. Open and close the contact to test for power.

6. There should be a faintly audible click and a fast LED blink.

PAIR & PLAY TECHNOLOGY

STEP 1: Enter pairing mode. Double tap the xCella Remote Module user button to enter Overide mode, then double tap again to enter Pairing mode. The Remote Module LED will blink rapidly.

Remote Module
user button

Normal	Double tap	Override	Double tap	Pairing
LED: 1/2 second blink		LED: 2 second blink		LED: 1/4 second blink

Notes:
- The relay blinks once after each pairing and twice after unpairing.
- The Module stays in pairing mode for 30 seconds after each pairing is complete.

STEP 2:   Send sensor pairing commands by pressing the sensor button once[1]. The Remote Module's relay will cycle once (light fixtures blink) each time a switch or sensor is successfully paired.

Wireless Door/Windowsensor
Press sensor button once

Sending the pairing command a second time will unpair the switch from the Remote Module. The relay will cycle twices after a sensor or switch is unpaired.

STEP 3: Return to normal mode by double tapping the xCella Remote Module button once.

NOTES:
1.   Up to 16 total switches and sensors can be paired to an xCella Remote Module.