INSTALLATION INSTRUCTIONS

SENA - WCPA

SPECIFICATIONS

- Power Supply 12-24VDC MAX. 50mA
- Dimming Protocol 0-10VDC MAX. 20mA Sinking Current
- Sensor Technology Passive Infrared Sensor (PIR)
- Communication Frequency 2.4 GHz to 2.483 GHz
- Sensor Mounting Height 8-12ft
- Communication range Max. 82ft
- Operating Temperature -4 °F to 122 °F (-20 °C to 50 °C)
- IP Rating IP20
- Warranty 5-Years

COMPATIBLE WITH

- Easily incorporate additional EiKO's BLE devices like wall/wireless controllers, sensors, fixture controllers, range extenders, and timekeepers

IMPORTANT

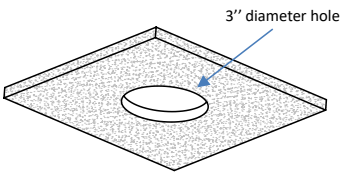
WARNING AND SAFETY

This device complies with Part 15 of the FCC Rules. 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.

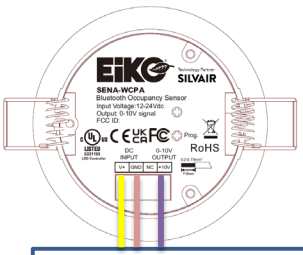
INSTALLATION

1. Determine Coverage Area: Determine the area you want the sensor to cover and mark it accordingly.
2. Cut Hole in Ceiling: Use a drywall circular saw to cut a 3-inch hole in the ceiling tile for each sensor you plan to install. As shown in Figure 2.
3. Connect to Power: Attach a 22 or 24 AWG 3-conductor plenum-rated cable to either the AC to DC converter or a nearby fixture with 12 or 24V auxiliary power. As Shown in Figure 3.
4. Wire the Sensor: Connect the 3-conductor plenum-rated cable to the sensor's push-in wire terminals by following the manufacturer's instructions As Shown in Figure 4.
5. Test the Sensor: Turn on the power pair and configure the sensor using your iOS device, then perform a test to verify that the sensor is functioning correctly. As Shown in Figure 5.
6. Secure the Sensor: After verifying that the sensor is functioning correctly, insert the device into the ceiling tile and release the clips. The wing clips will return to their down position, securing the sensor in place. As Shown in Figures 6.1 - 6.4.

2 Mark and cut a 3-inch hole in the ceiling tile.



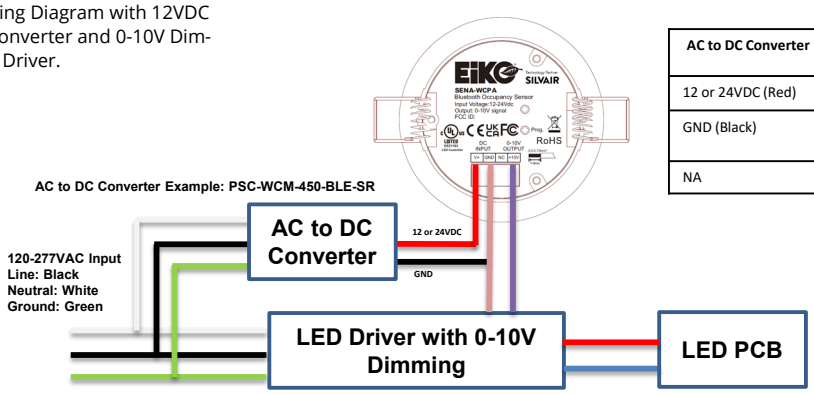
3 Sensor Wiring Diagram with 12VDC Aux Power 0-10V Dim-to-off LED Driver.



LED Driver	Wire color	Sensor
12-24V Aux	Yellow	V+
Dim-/GND	Pink/Gray	GND
Dim+	Purple	+10V

INSTALLATION continued....

4 Sensor Wiring Diagram with 12VDC AC to DC Converter and 0-10V Dimmable LED Driver.



AC to DC Converter	LED Driver	Sensor
12 or 24VDC (Red)	NA	V+
GND (Black)	Dim-/GND (Pink/Gray)	GND
NA	Dim+ (Purple)	+10V

5 Turn on the power pair and configure the sensor using your iOS device, then perform a test to verify that the sensor is functioning correctly.

To access Silvair apps.

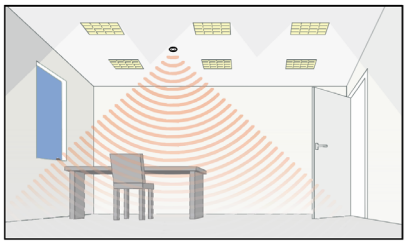
Mobile App: Silvair on the App Store

Download on the App Store

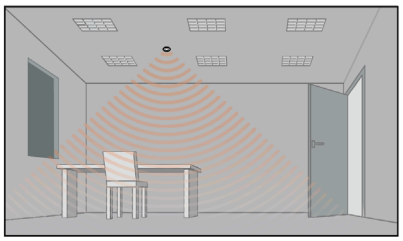
Web App: platform.silvair.com

Please refer to the Silvair Commissioning User Manual for pairing and commissioning instructions. Download it at https://silvair-documents.s3.eu-west-1.amazonaws.com/SN-200_Silvair_Commissioning_user_manual.pdf or scan the QR code below.

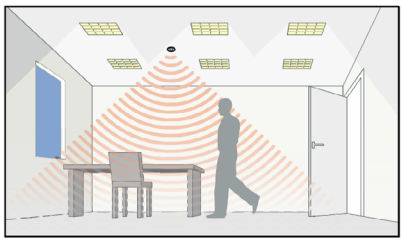
6.1 Turn on the power pair and configure the sensor using your iOS device.



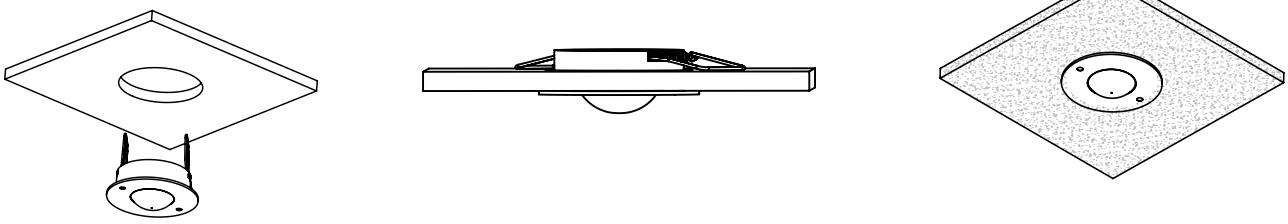
6.2 Please either leave the room or remain still until the lights turn off.



6.3 Please enter the room and move around a bit. The motion sensor will detect your movement and turn on the lights.



6.4 Insert the device into the ceiling tile and release the clips. The wing clips will return to their down position, securing the sensor in place.

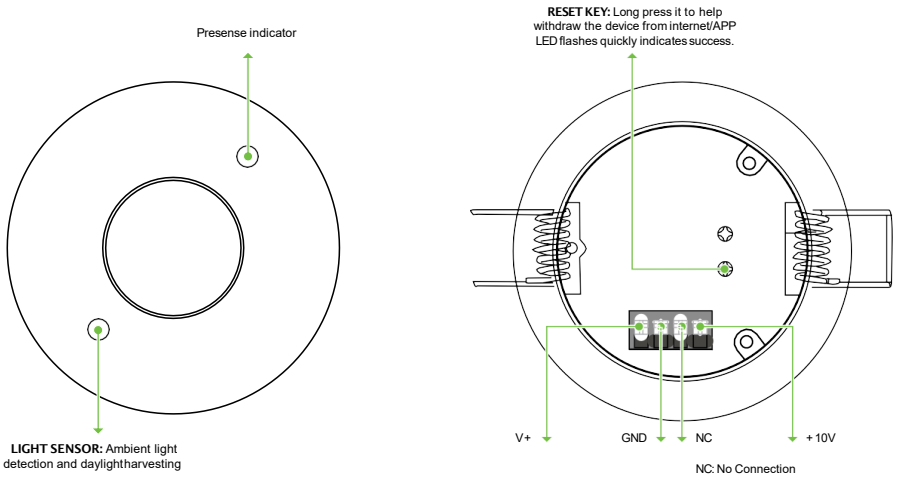


RESETTING A PAIRED SENSOR

1. Place Magnet or Press Reset Key: With the sensor powered on, place a strong magnet on the top of the sensor or press and hold the reset key located behind the sensor for about 5 seconds.
2. Confirm Reset: The LED fixture will blink twice, indicating that the sensor has been successfully reset.

Note: Before resetting the sensor, make sure to consult the manufacturer's instructions for any specific reset procedures as different models may have different methods for resetting.

PIN DESCRIPTION

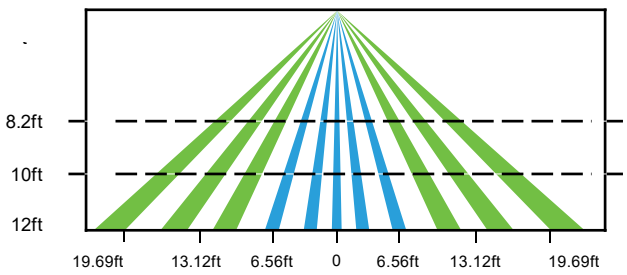


SENSOR DETECTION COVERAGE

The detection area for movement sensor can be roughly divided into two parts:

- Slow movement (person moving < 1.0'/s)
- Quick movement (person moving > 1.3'/s)

COVERAGE SIDEVIEW



COVERAGE TOPVIEW