TSBSDC7A instructions

Dual mode line voltage ceiling sensor

WARNING: May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

COVERAGE PATTERN

The TSBSDC7A provides a 360° coverage pattern. The coverage shown represents walking motion ar mouting height of 8 feet. For building spaces with lower levels of activity or with obstacles and barriers, coverage size may decrease.

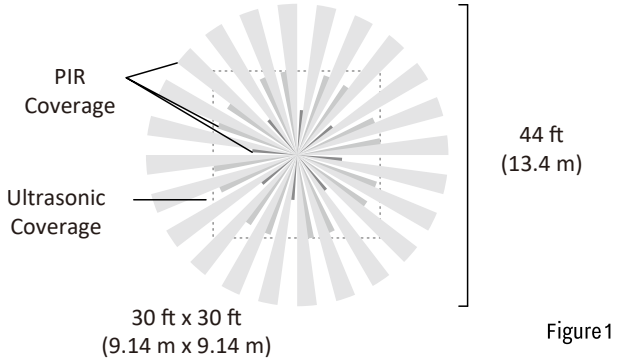

Figure 1

PLACEMENT GUIDELINES

Depending upon obstacles such as furniture or partitions, the area of coverage may be less or more than the sensing distances shown in the coverage pattern. This must be considered when planning the number of sensors and their placement. It is also recommended to place the sensor 4 to 6 feet away from air supply ducts as rapid air currents or the differences in temperatures may cause false activations.

Mount the sensor to the ceiling. The TSBSDC7A is designed for a ceiling height of about 8-10 feet. Mounting above or below this range will significantly affect the coverage patterns. Be aware that as you decrease the mounting height, you decrease the range and increase the sensitivity to smaller motions. Conversely, when you increase the height, you increase the range and decrease the sensitivity to smaller motions. At heights of more than 12-14 feet, you may start to significantly reduce sensitivity. As a general rule, each occupant should be able to clearly view the sensor.

Often the best location to install a TSBSDC7A in a closed office is off-center (see figure 2). Avoid placing a sensor directly in line with an open door through which it has a clear view out, as the sensor may detect people walking by.

Open office area coverage: to get complete coverage in an open office area, install multiple sensors so that there is an overlap with each adjacent sensor's coverage area. See the figure 3.

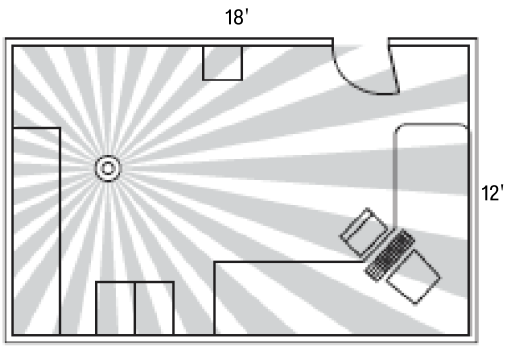

Figure 2

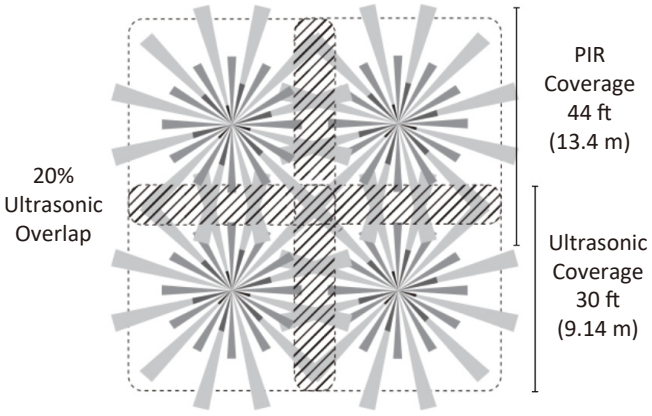

Figure 3

For large areas of coverage use multiple sensors.

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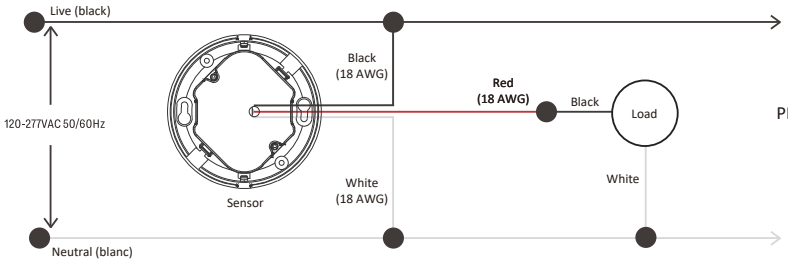
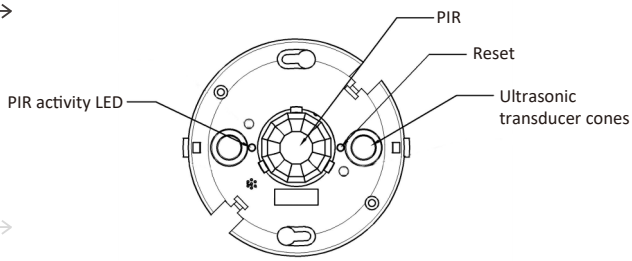
WIRING

Refer to the wire diagram of the sensor and connect the wires of ceiling sensors as followed by using the wire nuts provided.

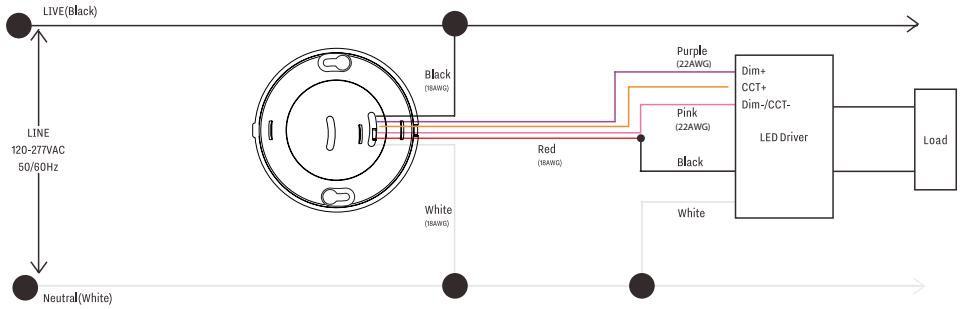
1. Connect the Live wire to the Black wire from the sensor.
2. Connect the Load wire to the Red wire from the sensor.
3. Connect the Neutral wire to the White wire from the sensor.

Option 1: Detection without any gradation required:





Option 2: Detection with 0-10V dimming applied to the luminaires (requires the use of a Technilight Smart dimming switch):

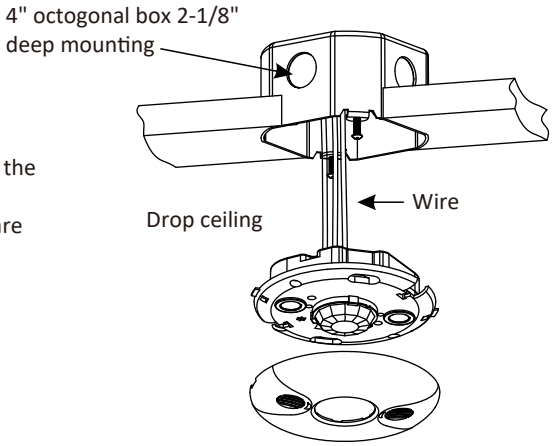


TIPS: This Bluetooth device is compatible with Technilight Smart lighting control system only.

MOUNTING

Using an octogonal junction box

1. Pull the high voltage wires into the junction box through the conduit knockout.
2. Connect the high voltage wires to the appropriate terminals on the sensor.
3. Loosen the applicance mounting screws attached to the junction box.
4. Align the sensor in the junction box so that the mounting screws on the box match the key holes on the sensor's rear housing.
5. Push the sensor up into the junction box and twist it so that the mounting screws are seated in the keyhole slots.
6. Tighten the two screws to secure the sensor to the junction box.
7. Snap the front cover onto the sensor.



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How to install Technilight Smart APP?

Download our app:

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Google play
Android

Technilight Smart
Apple store
iOS

WARRANTY INFORMATION

Our company warranties this product to be free of defects in materials and workmanship for a period of five(5) years. There are no obligations or liabilities on the part of our company for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.