

# CEILING MOUNT 120-277V

Models: 87-305



## INSTALLATION AND SAFETY INSTRUCTIONS

**IMPORTANT:** Read before installing fixture. Retain for future reference.

### WARNING: Risk of Fire or Electric Shock

Only authorized, qualified personnel should install this fixture and should follow the owner's manual. Any improper installation might cause failure, electric shock, fire or other injury, damage or hazard.

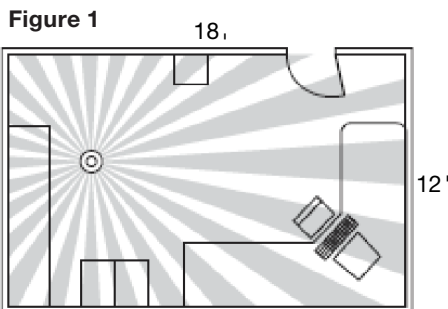
### PLACEMENT GUIDE:

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.

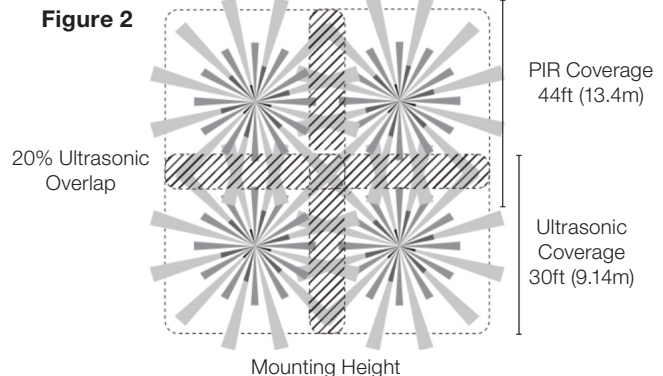
Mount the sensor to the ceiling. The 87-305 is designed for a ceiling height of about 8-10 feet. Mounting above or below this range will significantly affect the coverage patterns. Be aware that as you decrease the mounting height, you decrease the range and increase the sensitivity to smaller motions. 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 87-305 in a closed office is off-center (see Figure 1). 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.

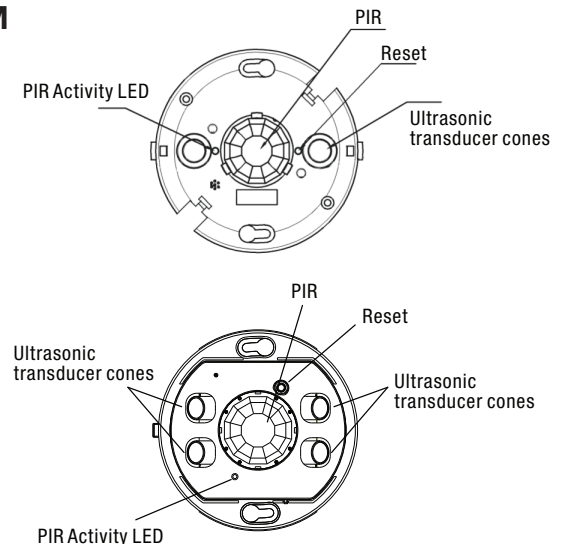
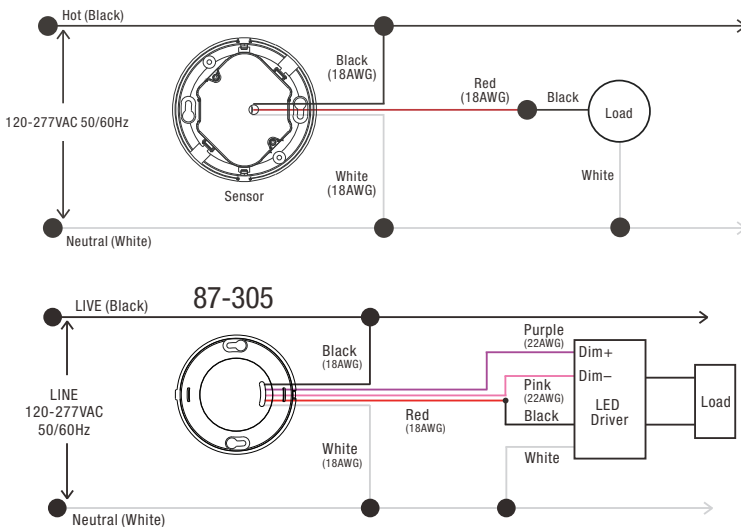
**Open Office Area Coverage:** To get complete coverage in an open office area, install multiple sensors so that there is an overlap with each adjacent sensor's coverage area. See the Figure 2.



For large areas of coverage use multiple sensors.



### WIRING DIAGRAM



## INSTALLATION: Ceiling Mount (using an Octagonal Junction Box)

**STEP 1:** Turn OFF power at circuit breaker before installing the unit.

**STEP 2:** Pull the high voltage wires into the J-Box through the conduit knockout.

**STEP 3:** Connect the high voltage wires to the appropriate terminals on the sensor.

**STEP 4:** Loosen the appliance mounting screws attached to the J-Box.

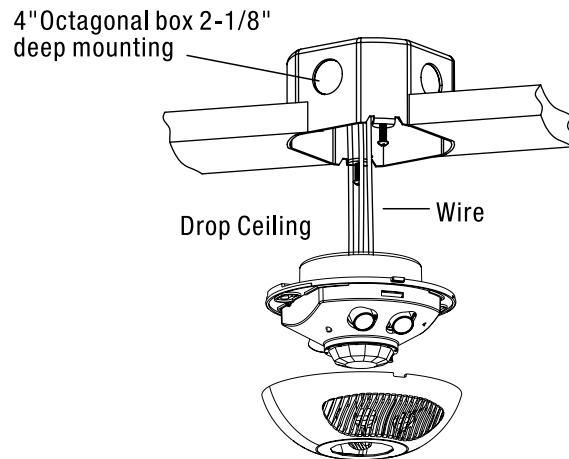
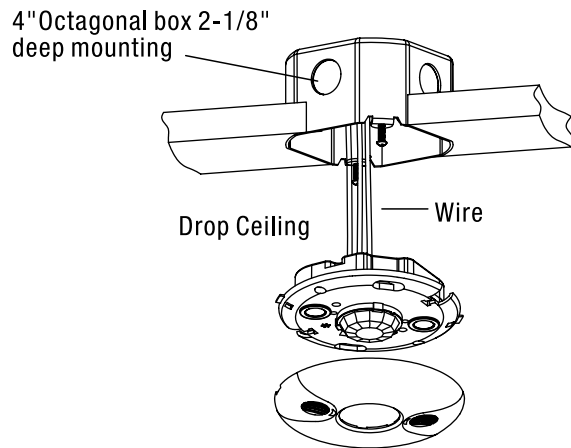
**STEP 5:** Align the sensor in the J-Box so that the mounting screws on the box match the key holes on the sensor's rear housing.

**STEP 6:** Push the sensor up into the J-Box and twist it so that the mounting screws are seated in the keyhole slots.

**STEP 7:** Tighten the two screws to secure the sensor to the J-Box.

**STEP 8:** Snap the front cover onto the sensor.

**STEP 9:** Turn power back ON at the circuit breaker.



## PAIRING INSTRUCTIONS:

**STEP 1:** Open the APP to access the switch interface.

**STEP 2:** Click on "Add" to start searching for the switch and pair it with the device.

**STEP 3:** Click "Done" to successfully complete the pairing process.

**NOTE:** You can only link light groups, not individual light fixtures.

**RESET:** Press and hold the Reset button for three seconds until the blue indicator light starts flashing continuously, then release it.

Scan below QR code for downloading the APP.



## How to Control Lights with a Phone?

Scan to download APP instruction.



**NOTE:** This sensor is Bluetooth® compatible. The Bluetooth® word mark and logos are registered trademarks owned by Bluetooth SIG, Inc. and any use of such marks by SATCO Products, Inc., is under license. Other trademarks and trade names are those of their respective owners.

**WARRANTY:** This product is guaranteed for a 5-year warranty. Any quality issue in normal use within the warranty period, will be repaired or replaced according to the situation and under the condition specifications can be provided. Visit [www.Satco.com](http://www.Satco.com) for full warranty details and dimmer compatibility information.