Keilton CS107S PIR Line Voltage Occupancy Ceiling Sensor User Manual

Kelton PIR Line Voltage Occupancy Ceiling Sensor
cs107s v1.0User Manual

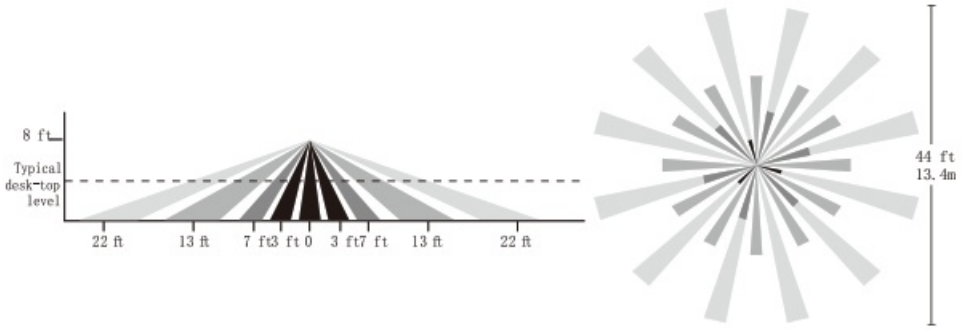
Warning May result in serious injury or death. Turn off power at circuit breaker before installing the unit.

Contents

COVERAGE PATTERN

The CS107S provides a 360° coverage pattern, up to 1200 square feet. The coverage shown represents walking motion at a mounting height of 8 feet(See Figure 1). For building spaces with lower levels of activity or with obstacles and barriers, coverage size may decrease.

Figure 1



PLACEMENT GUIDLINES

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 CS107S are 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 CS107S 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 thereis an overlap with each adjacent sensor's coverage area. See the Figure 3.

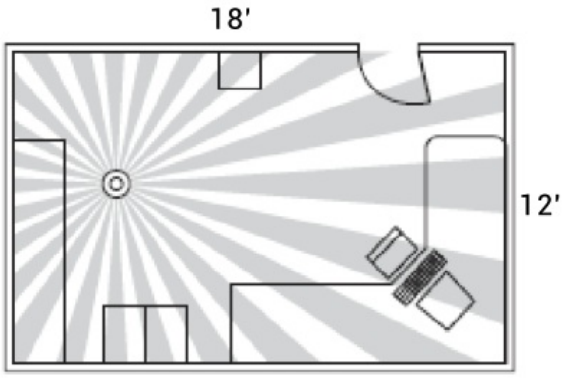


Figure 2

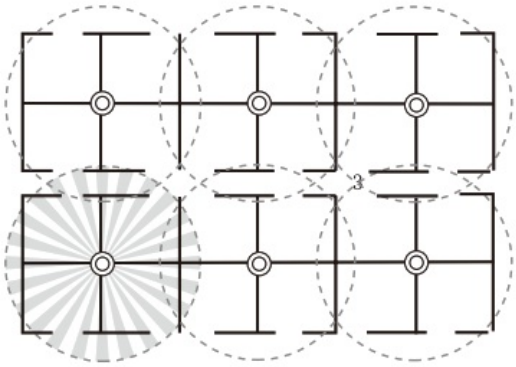
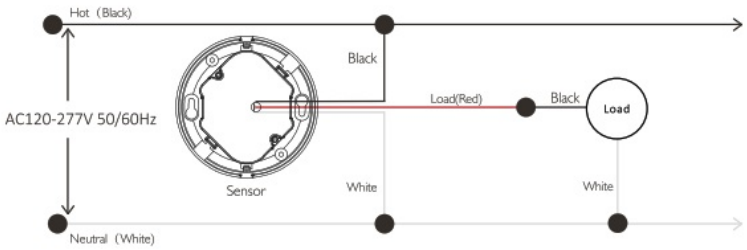


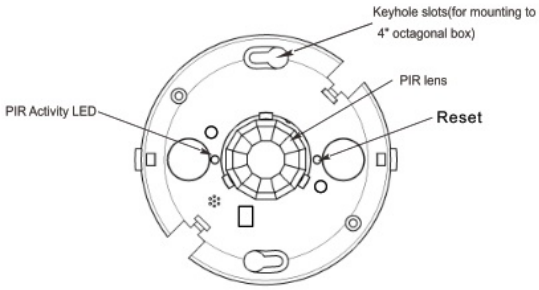
Figure 3

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 Hot 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.



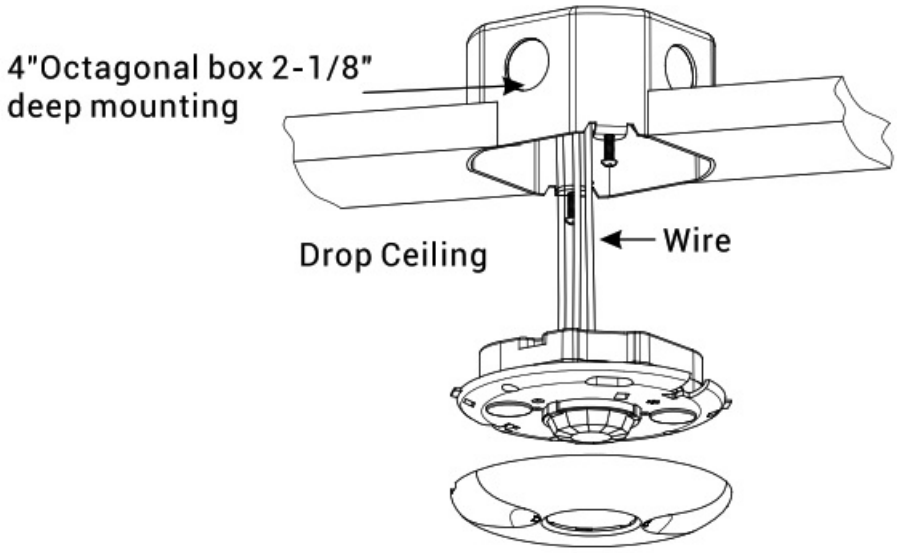


TIPS: This Bluetooth device is compatible with Kelton lighting control system only.

MOUNTING

Using an Octagonal Junction Box

1. Pull the high voltage wires into the J-Box through the conduit knockout.
2. Connect the high voltage wires to the appropriate terminals on the sensor.
3. Loosen the appliance mounting screws attached to the J-Box.
4. 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.
5. Push the sensor up into the J-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 J-Box.
7. Snap the front cover onto the sensor.



How to Install Kelton APP?
Scan below QR code for downloading the APP.

Download on the App Store	GET IT ON Google Play
https://itunes.apple.com/cn/app/keilton/id1423982372?mt=8	https://play.google.com/store/apps/details?id=com.litetrace.keilton.bluetooth.light3

How to Control Lights with a Phone?
Scan to download Kelton APP instruction

https://keilton.s3.amazonaws.com/Keilton+App+Instruction.pdf

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. Contact: lightingpartner@vealite.com Tel: +86 574 8811 8550

FCC STATEMENT

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.

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 correct the interference by one or more of the following measures: Reorient the receiving antenna. Increase the separation between the equipment and receiver. Connect the equipment into and 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 the party responsible for compliance could void your authority to operate the equipment. The distance between user and products should be no less than 20cm.

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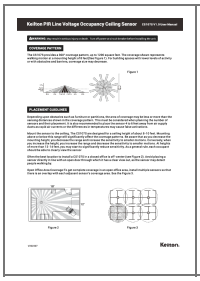
Documents / Resources

	Keilton CS107S PIR Line Voltage Occupancy Ceiling Sensor [pdf] User Manual CS107S, 2A26YCS107S, CS107S PIR Line Voltage Occupancy Ceiling Sensor, PIR Line Voltage Occupancy Ceiling Sensor, Voltage Occupancy Ceiling Sensor, Ceiling Sensor, Sensor

References

- User Manual