# PIR OCCUPANCY SENSOR

## ESL-KNX-FS9



### Key Features & Benefits:

- Wirelessly Control Multiple Fixtures with a Single Sensor
- 0–10V Wireless Dimming Control
- Adjustable Settings with the ESL Lighting App
- Use For Either Occupancy or Vacancy
- IP66 Wet Rated

Project: Date:

Catalog #:

Notes:

### Product Specifications:

Power Supply: 6–12 VDC
HF System: 5.8Ghz CW
Sensor Type: Passive Infrared (PIR)
Dimming Control Output: 0–10V Max. 25mA sinking current
Detection Radius/Angle: 30ft@40ft Height/360°
Detection Area (square footage): 2,826ft$^2$@ 40ft Height/360°
Mounting Height: 40ft Max
Motion Range: 50ft
Humidity: Max 95% RH
Temperature: -40°F ~ 167°F (-40°C ~ 75°C)
Program: Use ESL Network Lighting App


### Setting Options:

Motion Sensitivity Adjustment: 1–100%
Time Delay: 1–60 min
Standby Dim Level: 1–100%
Standby Time Delay: 1–60 min or infinity

### Simple App Programming:

*See the next page for details






### Catalog Data:

| ITEM # | DESCRIPTION |
|---|---|
| ESL-KNX-FS9 | Konex PIR Sensor, 40ft Max Height, 2,826 SQFT @ 40ft Height/ 360° |

## Simple App Programming:

ESL's Konex FS9 PIR Fixture Sensor controls motion sensing and is programmed by downloading the ESL Network Lighting App on Google Play.*

### Occupancy:

Setting the sensor to OCCUPANCY will turn on light and activate the time delay after motion has been detected.

### Vacancy:

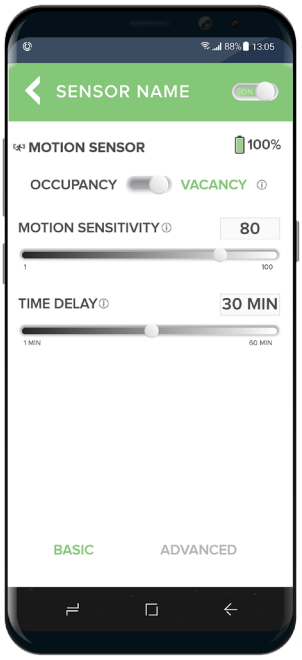
Setting the sensor to VACANCY will keep the light on until no motion has been detected before activating the settings. The light will have to be physically turned on to reactivate the light and start the time delay.

### Motion Sensitivity:

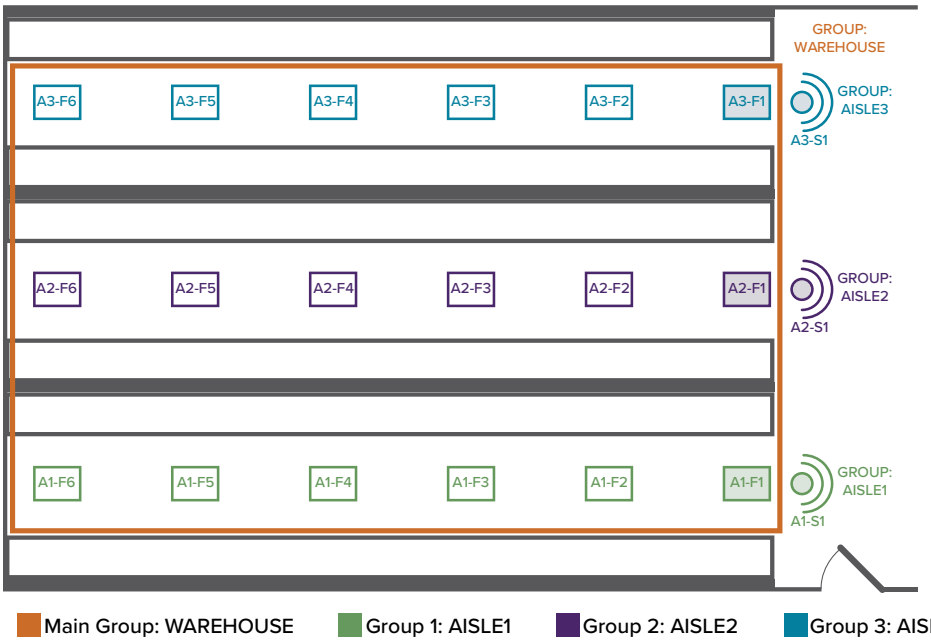
Motion Sensitivity is the term used to describe the amount of motion required to register occupancy within the radii of the circular detection zone after sensor has been mounted and installed at a height of 40ft.

### Time Delay:

The light can be set to stay ON for any period of time between approximately 1 minute to a maximum of 60 minutes. If there is any detection of movement before the programmed hold time elapses and the timer with re-start. It is recommended to select the shortest time to adjust he detection zone and perform the walk test.




## Grouping Diagram:




Main Group: WAREHOUSE  Group 1: AISLE1  Group 2: AISLE2  Group 3: AISLE3

The Konex FS9 PIR Fixture Sensor will control fixtures with an added RPP or Spectrum fixtures with an integrated RPP.

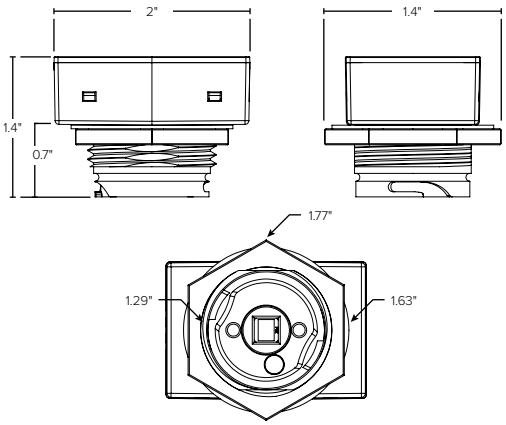
A single sensor will manage multiple fixtures that are placed into a single group. When naming groups and components, use naming conventions that makes it easy to locate and identify them. Please refer to the Spectrum/Konex User Guide for more instruction on designing a commissioning plan and how to create groups with the ESL Lighting App.

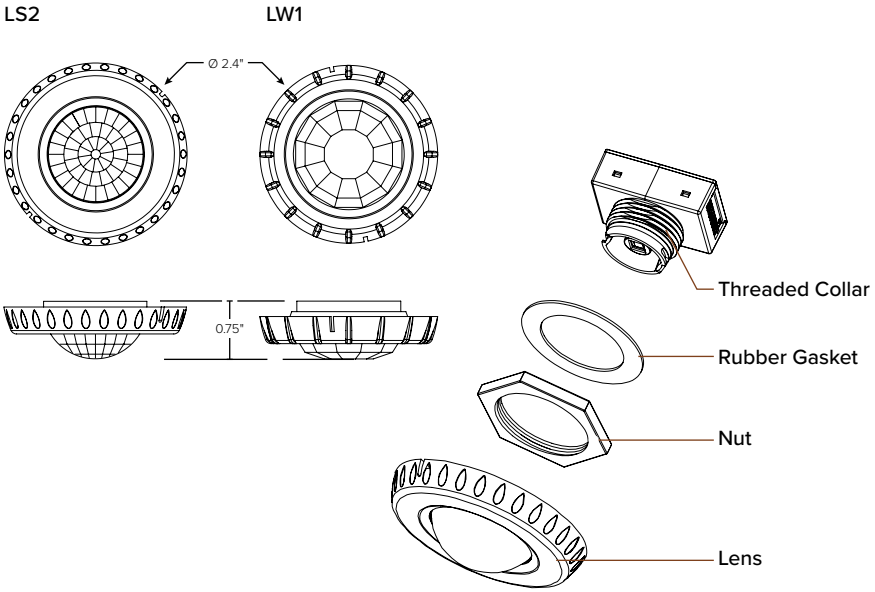
All the fixtures in this warehouse example are placed in one group titled WAREHOUSE. *Note that the sensors are not included in this group.

The fixtures and sensor for each aisle are combined into their own groups, titled AISLE1, AISLE2 and AISLE3. The sensor that is placed in each group will control all of the fixtures within that group.

*Further directions on setting up the app and commissioning your system can be found in the Spectrum/Konex User Guide.

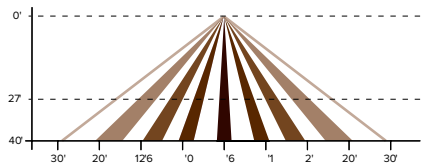
## Dimensions:



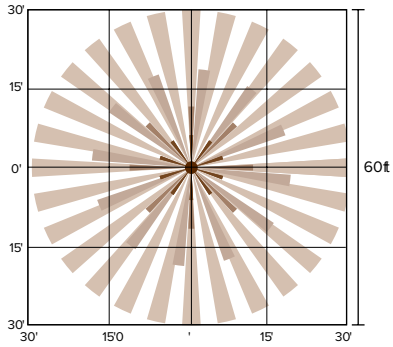




## Coverage:

LS2

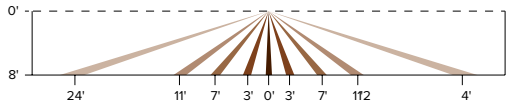



Side View Coverage

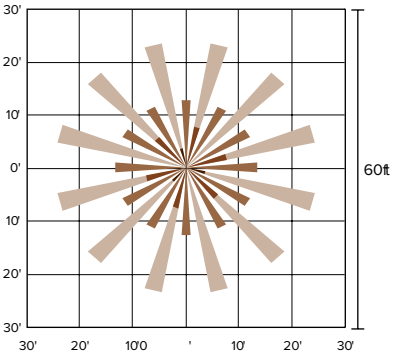



Top View Coverage

LW1

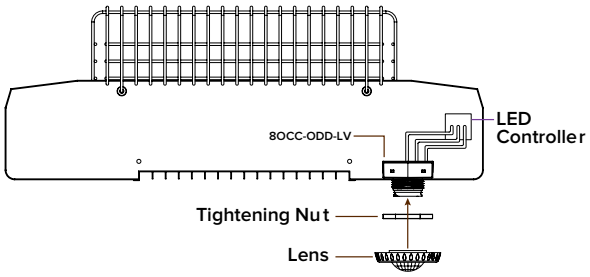


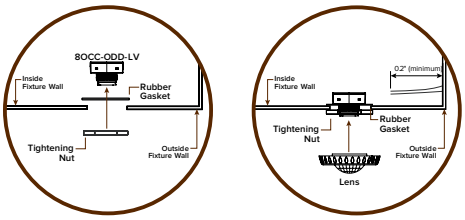

Side View Coverage




Top View Coverage

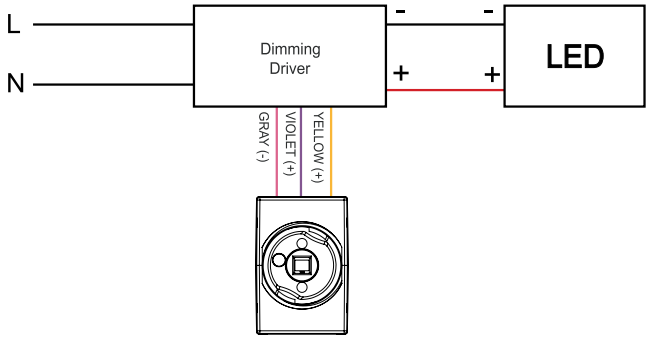
## Mounting:




## Wiring:

8OCC-ODD-LV wiring with 12VDC wire dimming ballast or LED driver




8OCC-ODD-LV wiring with AC/DC Adapter and dimming ballast or LED driver