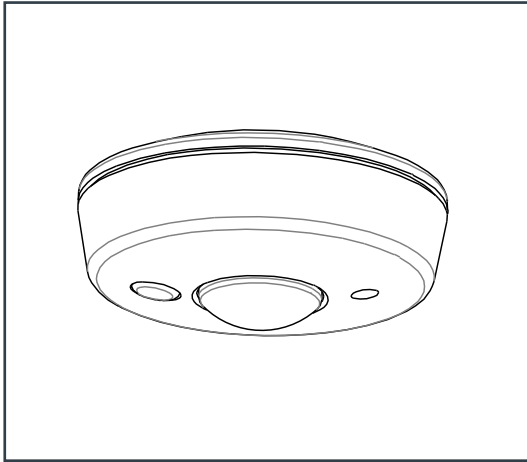


FIXTURE SENSORS (ALOS, ALVS)



APPLICATIONS

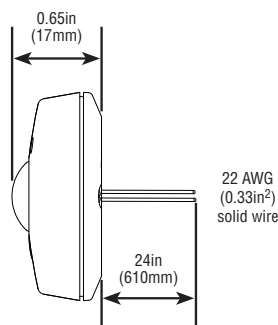
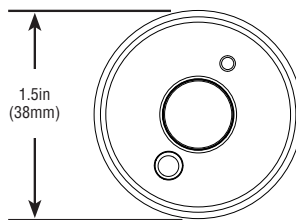
- Small offices • Conference rooms • Lounges • Classrooms

SPECIFICATIONS

ELECTRICAL	
Regulatory Approvals	cULus Listed
Wiring	Sensor wires are IEC SELV / NEC [®] Class 2 rated
Power / Load	<ul style="list-style-type: none"> • Operating voltage: 12V --- • Operating current: 25 mA • IEC SELV / NEC[®] Class 2
ENVIRONMENTAL	
Ambient Operating Temperature	32°F to 104°F (0°C to 40°C), 0%–90% humidity, non-condensing; indoor use only
GREEN LASER	
Output	<ul style="list-style-type: none"> • Wave output: constant • Wavelength: 532 nm • Output power: 5 mW maximum



DIMENSIONS



OVERVIEW

The fixture sensor (optional) mounts to the ceiling or to a fixture and measures light in the space (daylighting) while detecting people moving within an area to determine passive infrared occupancy. The sensor controls the lights to balance light level in the space, combining convenience, exceptional energy savings, and ease of installation. The sensor contains two wires which connect to the wireless fixture control (ALC). The ALC/ALCE and ALOS/ALVS are factory-installed for your convenience.

All wireless controls are also compatible with the wireless hub which provides a simple setup process using a standard web browser on any Wi-Fi enabled phone, tablet or computer. The hub enables control and monitoring of all wireless devices. The hub can be added at any time. System reprogramming required.

FEATURES

- Occupancy sensor timeout (fixture sensor): 15 minutes
- Utilizes a green laser pointer (see laser warning) to associate wireless switches (ALWS) and ceiling-mounted wireless sensors to wireless fixture controls via RF
- 2-wire connection between a fixture sensor and a wireless fixture controller. The wires are interchangeable to eliminate miswiring. Sensor comes with 2 ft (0.6m) of wires. (If hanging pendant fixtures, the maximum wire length between fixture sensor and fixture control is 12ft (3.7m). Sensor should be mounted no more than 2 ft (0.6m) from the fixture)
- Passive infrared motion detection with exclusive Lutron XCT Technology for major and minor motion detection
- Up to 300ft² (27.9m²) major motion coverage and 150ft² (13.9m²) minor motion coverage and 360° field-of-view
- Daylight sensor has simple, automatic calibration straight out-of-the-box
- Designed to give a linear response to changes in perceived light level. Detects ambient light level changes from 0 to 150 fc (0 to 1600 lx)

APPLICATIONS AND SELECTING THE RIGHT CONTROL

Fixture Sensor:

- Great for individual control in cubicles. Maximize energy savings (fixtures in unoccupied spaces do not turn on)
- Simplifies the determination of what is needed for a job

Ceiling-Mounted Wireless Sensor:

- Cover large areas with a single sensor, which can mount anywhere in the space
- In order to turn on and off multiple fixtures together (known as “grouping”), a ceiling-mounted wireless occupancy sensor must be used.
- In order to have a row of fixtures dim up or down together in response to daylight, a ceiling-mounted wireless daylight sensor must be used.

Daylighting:

- Wireless fixture controls have two options for daylighting. The fixture sensor can be used for simple, out-of-the-box daylighting. The ceiling-mounted wireless daylight sensor can be added for the ability to adjust and fine tune daylighting settings.
- Ceiling-mounted wireless daylight sensors provide the ultimate flexibility in daylighting: target light level (tuning) and gain value (through calibration) can be adjusted independently. Daylighting rows/zones can be setup so that multiple fixtures dim in unison. Ceiling-mounted wireless daylight sensors can be placed anywhere since they are completely wireless, and performance can be optimized through placement and fine tuning.

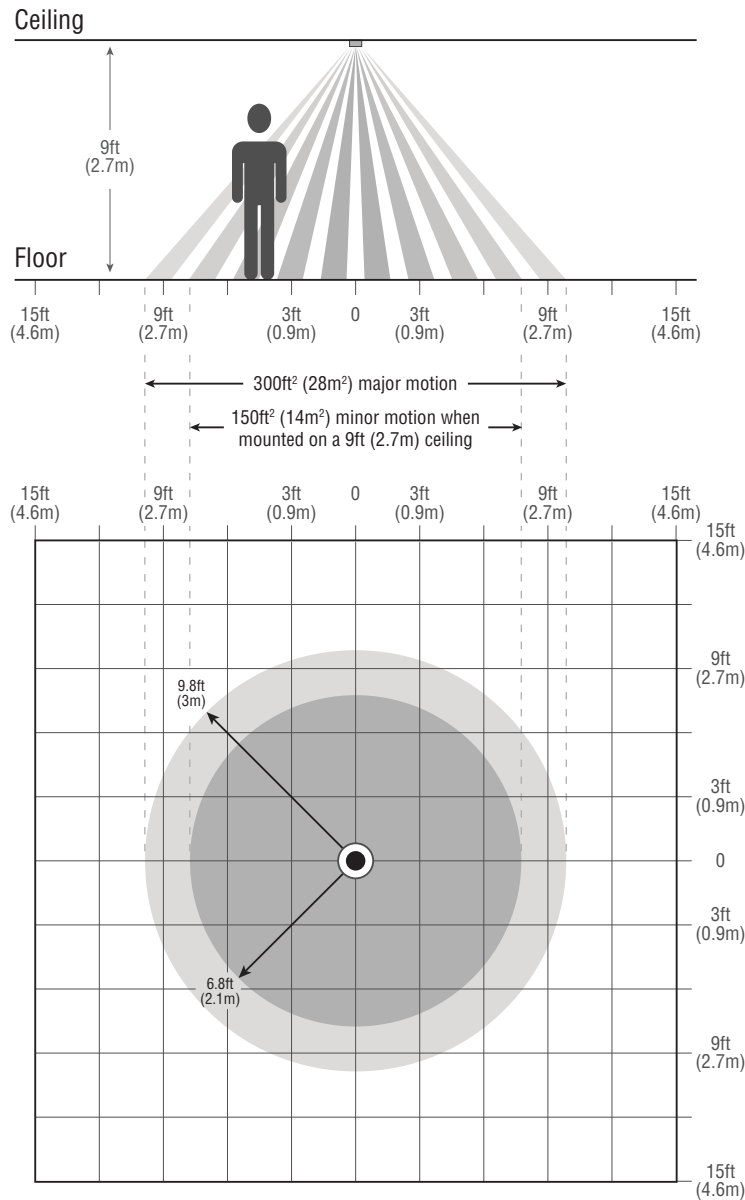


FIXTURE SENSORS (ALOS, ALVS)

SENSOR RANGE DIAGRAM

Major motion: Movement of a person entering or passing through an area.

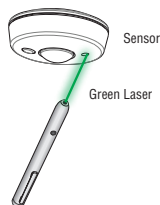
Minor motion: Movement of a person occupying an area and engaging in small activities (e.g., reaching for a telephone, turning the pages of a book, opening a file folder, pick up a coffee cup, etc.).



ORDERING INFORMATION

The fixture sensors (ALOS and ALVS*) are sold in conjunction with the fixture controller (ALC). You can find the ordering information for these products on any compatible fixture specification sheet.

* Lights do not turn on automatically with a vacancy sensor. A wireless switch is needed to turn on the lights



WARNING **DANGER**

- Eye injury and/or blindness hazard; avoid direct eye exposure to laser beam.**
- Use of laser pointer is NOT recommended for use with products located near reflective surfaces.
 - Do NOT aim or shine laser pointers at any person, pet, vehicle, or aircraft directly, or through reflection by mirrors or other shiny surfaces. Do NOT view the laser beam through binoculars, magnifying glass, or other optical devices.
 - Do NOT allow children to use laser pointers.
 - **Read and follow the laser pointer manufacturer's instructions on safe use.** In the event of injury, get medical attention immediately.

Lutron and Clear Connect are trademarks of Lutron Electronics Co., Inc., registered in the U.S. and other countries, used under license. XCT is a trademark of Lutron Electronics Co., Inc., used under license. The designs of the Pico wireless remote control and the wireless hub shown in this document are trademarks of Lutron Electronics Co., Inc., used under license.



Project Name _____ Catalog # _____

1-800-436-7800 (Support, Option 8) www.lsi-airlink.com

04/25/17

© 2017
LSI INDUSTRIES INC.