

Overview:

The ESL Vision ESL-ISS-SSEN-01 is a standalone PIR occupancy and daylight harvesting sensor designed for quick installation into our IntelliSense™ quick connect lighting fixtures. With this sensor installed, the fixture becomes remote programmable, allowing for single fixture control.

Project: _____

Date: _____

Catalog #: _____

Notes: _____

Key Features & Benefits:

- PIR Occupancy Sensing
- Daylight Harvesting
- High & Low Trim Capable
- Single Fixture Control
- Simple Remote Programming
- Simple Lighting Control



Product Specifications:

INPUT

Input Voltage: 12 VDC
 Input Current: 9mA Max
 Input Power: 0.1W
 Dimming: Class 2, 0–10 VDC, 10mA Max
 Sinking Current: 10mA Max

OUTPUT

Output Voltage: 10 VDC
 Output Current: 10mA Max
 Output Power: 0.1W

ENVIRONMENT

Housing Material: UL 94-5VA Plastic
 Location of Use: Indoor
 Detection Range: 32 Feet Max
 Mounting Height: 15 Feet Max
 Operating Temperature: -22°F to 149°F (-30°C to 65°C)
 Storage Temperature: -22°F to 185°F (-30°C to 85°C)
 IP Rating: IP20

CERTIFICATIONS

Compliance: UL8750
 Warranty: 5 Years



Ordering Guide:

ESL	FAMILY	TYPE	MODEL
ESL	ISS <small>(ISS) IntelliSense™ Series</small>	SSEN <small>(SSEN) SoloSense™</small>	01 <small>(01) Highbay Sensor</small>

Catalog Data:

ITEM #	DESCRIPTION
ESL-ISS-MSEN-01	MultiSense™ – Plug and Play 3 Wire networked PIR occupancy and daylight harvesting sensor
ESL-ISS-SSEN-01	SoloSense™ – Plug and Play 3 Wire PIR occupancy and daylight harvesting sensor

Installation:

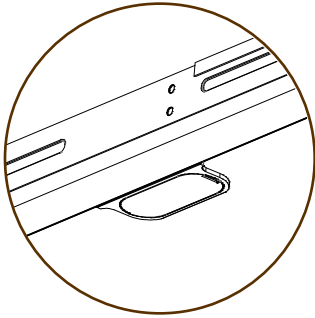


Fig. 1

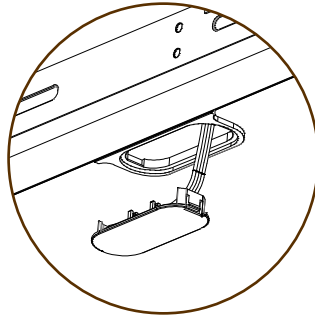


Fig. 2

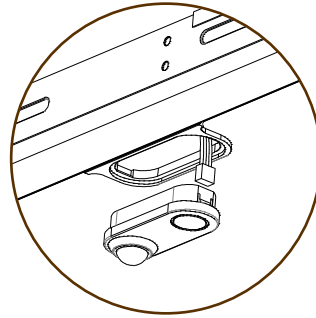


Fig. 3

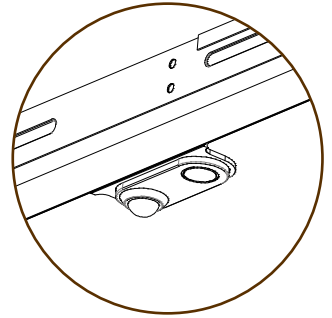


Fig. 4

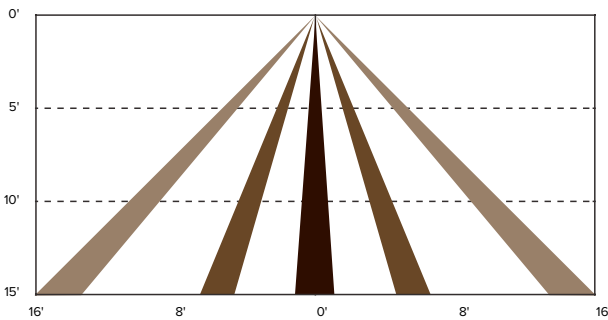
1 Remove the sensor plate from fixture's rim.

2 Remove the flat cable from the back of the plate.

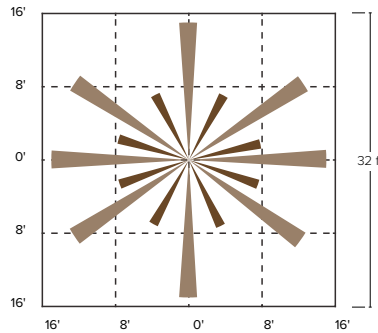
3 Insert the cable terminals into the approved sensor.

4 Snap the sensor into the fixture securely.

Coverage:

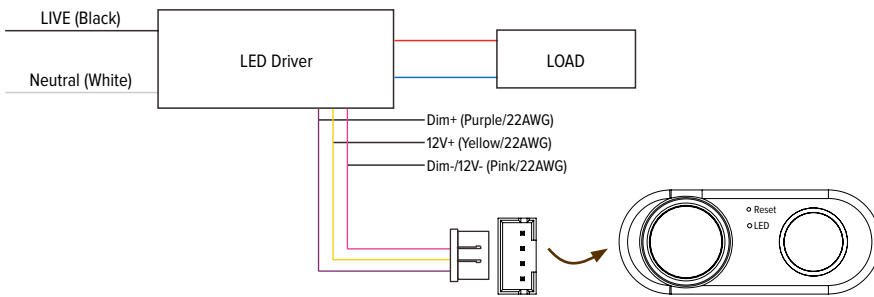


Side View Coverage



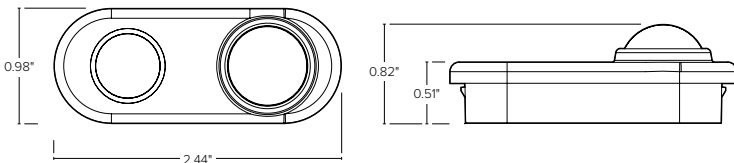
Top View Coverage

Wiring Diagram:



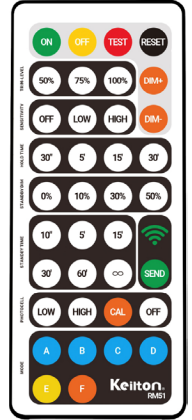
Dimensions:

IntelliSense™ Panel Sensors
ESL-ISS-MSEN-01 & ESL-ISS-SSEN-01



Remote Programming Instructions: Memory Mode (Commissioning)

1. Select either **A, B, C, or D**.
 2. Indicator lights on the remote will flash to indicate the current saved settings.
 3. Settings can be configured by pressing appropriate buttons in the highlighted gray section of the remote buttons. (**TRIM-LEVEL, SENSITIVITY, HOLD TIME, STANDBY DIM, STANDBY TIME, and PHOTOCELL**). Review selected settings and make changes as necessary.
 4. Point IR remote to desired luminaire for configuration and press "**SEND**".
 5. If configuration is successful, luminaire will flash twice to confirm settings are saved. Any parameter change to the current saved settings on **A to F** will override previous settings and will be automatically saved on the remote. If configuring multiple luminaires, select the configured memory mode **A to E** then follow steps 4 and 5.
- E Mode** allows visual adjustment to choose the desired dimming level.



Remote Programming Instructions: Continuous Adjustment or Daylight Harvesting Mode

1. Point IR remote to desired luminaire.
 2. Press "**ON**" then press **DIM+** or **DIM-** to adjust dimming level.
 3. Press "**F**", indicator lights on the remote will indicate current saved settings.
- Note:** only **TRIM-LEVEL, SENSITIVITY, and HOLD TIME** can be selected for Daylight Harvesting settings.
4. Review selected settings and make changes as necessary. Press "**SEND**".
 5. If configuration is successful, luminaire will flash twice to confirm setting saved. If configuring multiple luminaires, select the configured **DAYLIGHT HARVESTING** settings then follow steps 4 and 5.

RESET MODE	
Motion:	100%
No Motion:	5 minutes and fixture dims to 30%
No Motion:	60 minutes and fixture turns off

BUTTON OPERATION

ON	Turns on luminaire	STANDBY TIME	Standby time 10sec–5min–15min–30min–1hr–∞, "∞" means the fixture is effectively controlled by the daylight sensor
OFF	Turns off luminaire	PHOTOCELL	LOW (1fc)–HIGH (50fc)–CAL Collecting the current Lux Level OFF
TEST	Test mode will last 5 mins then return to previous setting, test mode will hold 2 seconds SDL 50% and standbytime for 2 seconds	MODE	Set settings to a program profile A to F
RESET	Trim–High=100%, Sensitivity=High, T1=5 min, Standby Dim=30%, T2=60min, Photocell=OFF	SEND	Send settings to sensor
DIM +/-	Remote will manually dim luminaire up or down by increments of 0.5V. Must be smooth dimming if holding dimming button.	DEFAULT MODE A	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=00, Photocell=CAL
TRIM LEVEL	Set Maximum threshold values of 50%–75%–100%	DEFAULT MODE B	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=CAL
SENSITIVITY	Off (PIR OFF enter Photocell ON/OFF function)/ LOW (50%) or HIGH (100%)	DEFAULT MODE C	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=OFF
HOLD TIME	30sec–5min–15min–30min (time of no occupancy after which fixture goes to standby)	DEFAULT MODE D	Tri m-Low=50%, Sensitivity= low, T1 =30min, Stand by Dim =50%, T2=30min, Photocell=CAL
F MODE– DAYLIGHT HARVESTING	(Enable/Disable) Measure and set feature to allow the fixture to maintain a light level, if turned on.	DEFAULT MODE E	Manual Mode, Trim-High=100%
STANDBY DIM	Select any standby dim level: 0%–10%–30%–50%	DEFAULT MODE F	Daylight Harvesting, Trim-Low=50%, Sensitivity=low, T1=15min