ESL VISION ESL-ISS-MSEN-01 IntelliSense Panel Sensors Owner's Manual

Contents

ESL VISION ESL-ISS-MSEN-01 IntelliSense Panel Sensors

Product Specifications:

- Output Voltage: 10 VDC
- Output Current: 10mA Max
- Output Power: 0.1W
- Compliance: UL8750
- Warranty: 5 Years

Installation Instructions:

1. Remove the sensor plate from the 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.

Remote Programming Instructions:

Memory Mode (Commissioning):

Set settings to a program profile A to F and send settings to sensor.

Continuous Adjustment or Daylight Harvesting Mode:

- Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=CAL
- Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=OFF
- Trim-Low=50%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=30min, Photocell=CAL
- Manual Mode, Trim-High=100%
- Daylight Harvesting, Trim-Low=50%, Sensitivity=low, T1=15min

FAQ

- **Q: How do I reset the sensor to default settings?**
  - A: To reset to default settings, follow the RESET MODE instructions provided in the manual.
- **Q: What is the standby time for the sensor?**
  - A: The sensor has a standby time of 5 minutes with no motion, and the fixture dims to 30%. After 60 minutes with no motion, the fixture turns off.

Project:
Catalog #:
Notes:
Date:

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.

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 65°C)
- IP Rating: IP20

CERTIFICATIONS

- Compliance: UL8750
- Warranty: 5 Years

Ordering Guide

ESL	-	FAMILY	-	TYPE	-	MODEL
ESL	-	ISS	-	SSEN	-	01
		(ISS) IntelliSense™ Series		(SSEN) SoloSense™		(01) Highbay Sensor

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

1. Remove the sensor plate from fixtures 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.

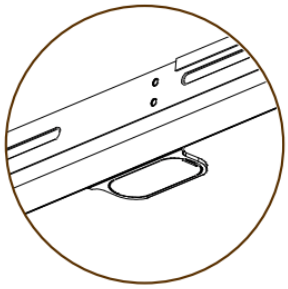


Fig. 1

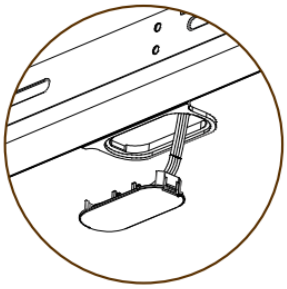


Fig. 2

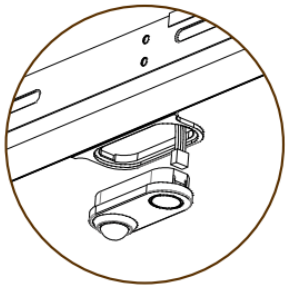


Fig. 3

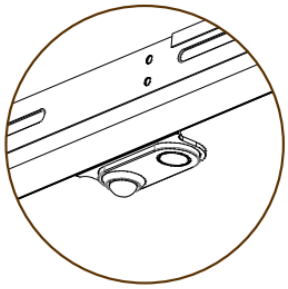
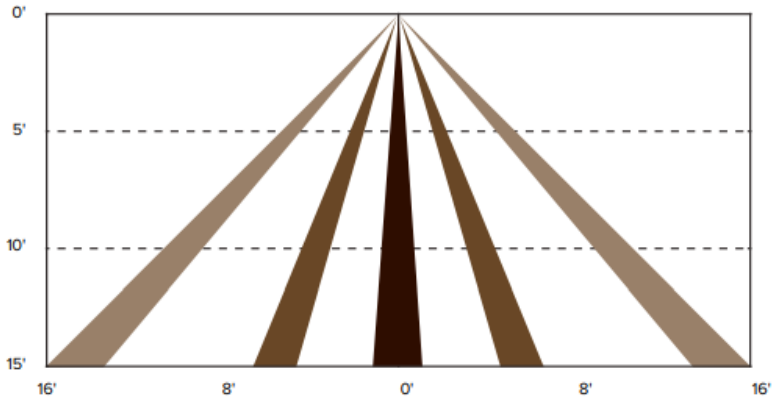
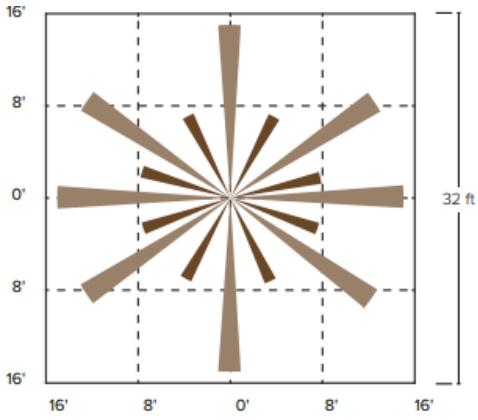


Fig. 4

Coverage

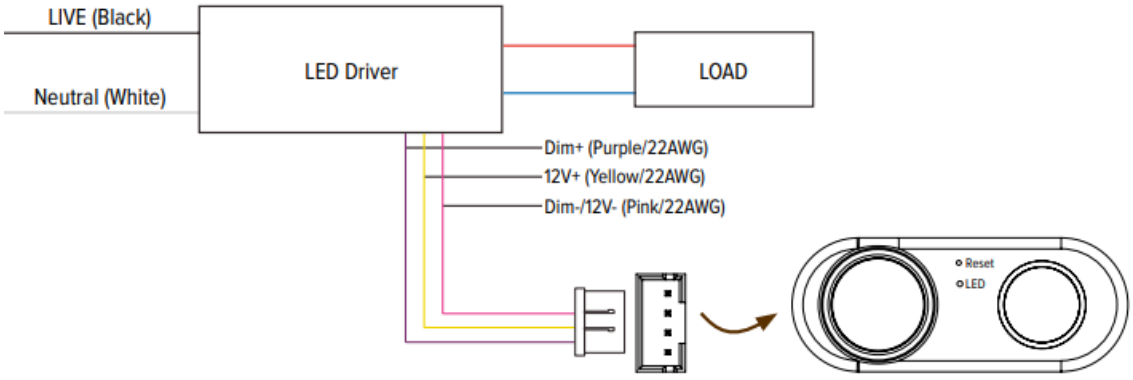


Side View Coverage



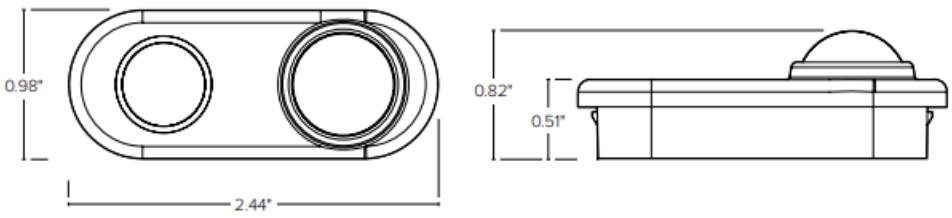
Top View Coverage

Wiring Diagram



Dimensions

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



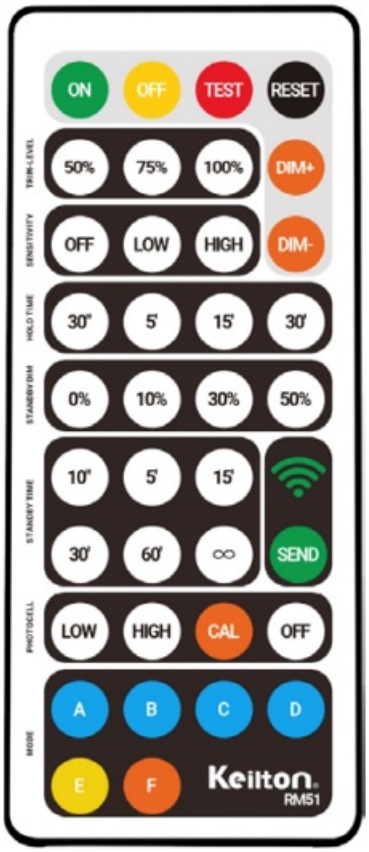
Remote Programming Instructions

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 the 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 the 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
OFF	Turns off luminaire
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
RESET	Trim–High=100%, Sensitivity=High, T1=5 min, Standby Dim=30%, T2=60min, Photocell=OFF
DIM +/-	Remote will manually dim luminaire up or down by increments of 0.5V. Must be smooth dimming if holding dimming button.
TRIM LEVEL	Set Maximum threshold values of 50%–75%–100%
SENSITIVITY	Off (PIR OFF enter Photocell ON/OFF function)/ LOW (50%) or HIGH (100%)
HOLD TIME	30sec–5min–15min–30min (time of no occupancy after which fixture goes to standby)
F MODE– DAYLIGHT HARVESTING	(Enable/Disable) Measure and set feature to allow the fixture to maintain a light level, if turned on.
STANDBY DIM	Select any standby dim level: 0%–10%–30%–50%

STANDBY TIME	Standby time 10sec–5min–15min–30min–1hr–∞, "∞" means the fixture is effectively controlled by the daylight sensor
PHOTOCELL	LOW (1fc)–HIGH (50fc)–CAL Collecting the current Lux Level OFF
MODE	Set settings to a program profile A to F
SEND	Send settings to sensor
DEFAULT MODE A	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=00, Photocell=CAL
DEFAULT MODE B	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=CAL
DEFAULT MODE C	Trim-High=100%, Sensitivity=low, T1=30min, Standby Dim=50%, T2=15min, Photocell=OFF
DEFAULT MODE D	Tri m-Low=50%, Sensitivity= low, T1 =30min, Stand by Dim =50%, T2=30min, Photocell=CAL
DEFAULT MODE E	Manual Mode, Trim-High=100%
DEFAULT MODE F	Daylight Harvesting, Trim-Low=50%, Sensitivity=low, T1=15min

Contact

†Not All Part Numbers DLC Qualified. For a Complete Listing Please Consult the DLC Qualified Products List (QPL).

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Documents / Resources

	ESL VISION ESL-ISS-MSEN-01 IntelliSense Panel Sensors [pdf] Owner's Manual ESL-ISS-MSEN-01, ESL-ISS-SSEN-01, ESL-ISS-MSEN-01 IntelliSense Panel Sensors, ESL-ISS -MSEN-01, IntelliSense Panel Sensors, Panel Sensors, Sensors

References

- User Manual