

Product features

- Monitoring of light and presence detection
- Based on pyroelectric effect and high-performance digital signal processing
- Compact sensor that can be integrated into luminaries
- Compatible with infrared remote-control and flexible parameter configuration
- 0-10 V Control Output
- Mounting height up to 5 meters

0/1-10V



Product specifications

111240 IC-S311-PL-0-10V-LW

Input voltage	Standby current	PIR axial coverage angle	Dimension (3.5 mm audio jack) L x W x H
12 VDC	Typ. 4 mA	90°	2.42 x 0.96 x 0.89 in (61.47 x 24.5 x 22.53 mm)

Technical specifications

Electrical parameter

Operating voltage	12 VDC $\pm$ 10 %
Standby Power	Typ. 0.048 W @ 12 V
Max 0-10V sinking current	10 mA
Power supply type	Drive separated supply

Sensor specifications

PIR axial distance (mounting height)	Max 5 m
PIR axial coverage angle	90°
PIR tangential coverage angle	360°
Sensing radius	1 ... 4 m (ceiling-mounted, 3 m mounting height, default 4 m)
Delay time	5 ... 600 s (Stage 1) / 0 ... ∞ (Stage 2)
Daylight threshold:	Disable-200 Lux (default 200 Lux)

Control

Control output	0-10 V
Dimmable	Yes
Type of installation	Luminaire integration

Environmental specifications

Housing Material	PC
Color	White
Operating temperature	-10 ... +55 °C
Storage temperature	-25 ... +60 °C
Working humidity	10 ... 90 %

Storage humidity	5 ... 95 %
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Certificates & standards

Warranty	5 years
Certification	/
Type of protection	IP20

Dimensions

Housing dimensions (3.5 mm audio jack)

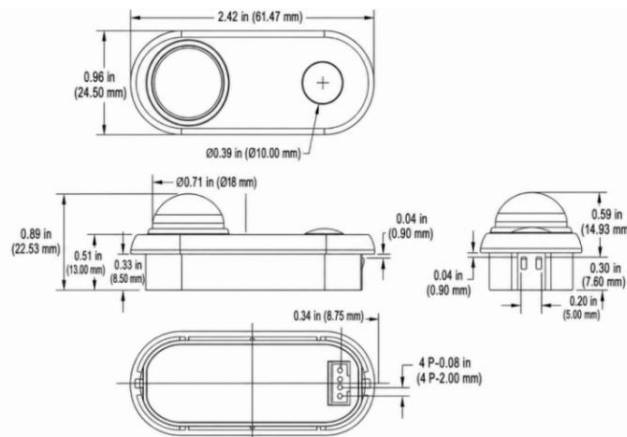
Length(L)	2.42 in (61.47 mm)
Width(W)	0.96 in (24.5 mm)
Height (H)	0.89 in (22.53 mm)

All dimensions are in inches (mm).
Tolerance: ± 0.012 in (± 0.3 mm).

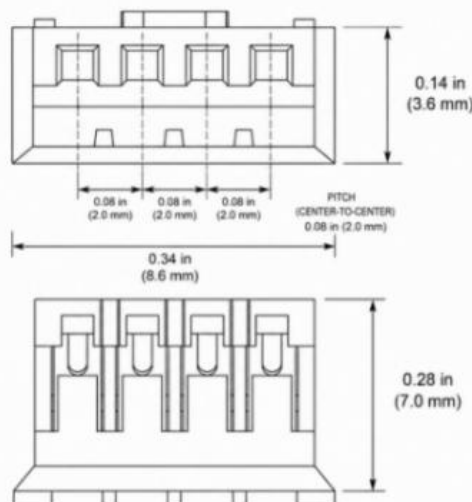
Packaging details

Packing units	600 pcs
Carton size	440 x 370 x 200 mm
Carton weight	0.550 kg
Product weight	0.010 kg

The final quantity per carton shall be subject to the actual packing arrangement.

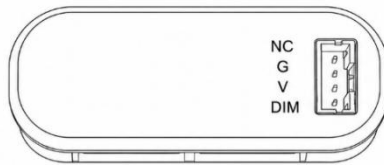


Mating Male Connector Specifications



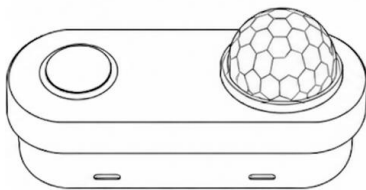
Applicable Wiring Diagram

Wiring Diagram for 0-10 V Mode-Sensor Powered by Driver AUX Output

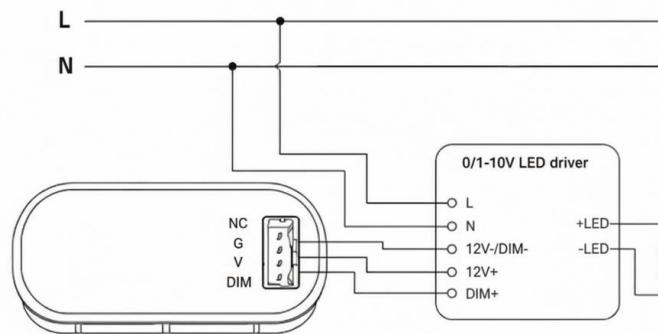


Definition	Description
NC	Reserved Port
G	Common Ground DIM-/ AUX Power Negative
V	+12 VDC /AUX+
DIM	0-10 V DIM+

SENSOR – FRONT VIEW



SENSOR – BACK VIEW (WIRING DIAGRAM)



Function Description



Remote Controller:: Optional

Remote Controller Remote Functions:

No.	Button Symbol	Description	Function Description
Top center		Indicator Light	Button indicator light.
Top left button		Power On/Off	Press once to turn on the device (if the lamp is off, the lamp turns on and stays at full brightness). Press again to turn off the device (the lamp turns off and the sensor stops output).
Top right button		Restore Factory Settings	Restore the sensor to factory settings (default mounting height, daylight threshold, and other parameters).
2nd row, left 2 buttons		Set Level 1 Brightness	When a person is detected, the lamp enters Level 1 brightness. Level 1 brightness can be set as a percentage of the current brightness: 100 % or 80 %.
2nd row, right 2 buttons		Set Level 2 Brightness	When no person is detected, the lamp enters Level 2 brightness. Level 2 brightness can be set as a percentage of the current brightness: 30 % or 20 %.
3rd row		Set Hold Time for Level 1 Brightness	After a person is detected, this sets how long the lamp stays at the bright level. Options: 5 s / 1 min / 5 min / 10 min.
4th row		Set Hold Time for Level 2 Brightness	When no person is detected, this sets how long the lamp stays at the dimmed level. Options: 0 s / 10 s / 5 min / continuously on at this brightness.
5th row		Set Daylight Threshold	Set the daylight sensing threshold. When ambient light is below the selected threshold and motion is detected, the sensor outputs a high level and the lamp turns on. Options: Disable / 10 Lux / 100 Lux / 200 Lux.
6th row		Detection Range (Sensitivity)	Detection range parameter. Within the selected range, when motion is detected, the sensor outputs a high level and the lamp turns on. 100 % is the maximum range; the other options are 75 %, 50 %, and 25 % of the maximum range.

Coverage

