

PhotoMotion™ Sensors Overview



Jarvis Lighting offers PhotoMotion™ sensors designed to provide increased control and energy savings when installed into Jarvis Lighting fixtures. Featuring both microwave and PIR sensor solutions, each PhotoMotion™ sensor functions as both a photocell and a motion sensor. The sensor will switch the light fixture off during the day. At nighttime, the light fixture runs at 30% brightness when no motion is detected. Upon detecting motion, the light fixture increases to 100% brightness and then dims back to 30% after motion is no longer detected. PhotoMotion™ sensors are fully programmable and settings can be customized by using any A315 remote. The PhotoMotion™ sensors are available in multiple variants which can all be easily field-installed and some can be pre-installed into compatible fixtures. PhotoMotion™ sensors are UL listed, feature a 5-year limited warranty and can be used to support California Title 24 compliant installations.

S-Z10-SPM-EXT-WHT-V1 PhotoMotion™ Z10 PIR Sensor

The S-Z10-SPM-EXT-WHT-V1 PhotoMotion™ PIR Sensor provides a Z10 solution for multi-level fixture control based on motion or daylight sensing. Requires A315-Z10-V1 remote control for custom programming. Compatible with Z10 ready Jarvis Lighting products.

KEY FEATURES:

- Quick and Easy Installation into Z10 Receptacle
- UL listed to UL8750
- Detection Zone / Angle: Maximum coverage 40' diameter from 40' height / 360°
- Mounting Height: 8-40'
- Operating Temp.: -20° to 60° Celsius



Factory Default Settings

100% Sensitivity, Hold Time 5min, Dimming Level 30%, Dimming Time 60min, Daylight Sensor Disabled.

Catalog Number and Specifications:

Catalog #	Description	Power Supply	Dimming Control	IP Rating
S-Z10-SPM-EXT-WHT-V1	Z10 PIR PhotoMotion™ Sensor	12-24V DC >30mA	0-10V	IP65

A311P PhotoMotion™ PIR Sensor

The A311P comes pre-installed and pre-programmed on several Jarvis product series.

KEY FEATURES:

- UL listed to UL773A
- Detection Zone / Angle: Maximum coverage 60' diameter from 40' height / 360°
- Mounting Height: 8-40'
- Operating Temp.: -40° to 70° Celsius
- Compatible With: ARJ, PG, PGR, PGS, JSAL, and HBR Series Fixtures



Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A311P	PhotoMotion™ Sensor	120-277V 50/60Hz	0-10V	600W

A312P & A313P Side Motion PhotoMotion™ PIR Sensor

The A312P & A313P can be side mounted into a ½" NPT knockout on most outdoor lighting fixtures and offers multi-level control based on motion and daylight contribution. Most commonly used in wall-mount applications.

KEY FEATURES:

- UL listed to UL773A
- Detection Zone / Angle: Maximum coverage 60' diameter from 40' height / 360°
- Mounting Height: 8-40'
- Operating Temp.: -40° to 70° Celsius
- Compatible With: AL, AWP, BFL, CL, WMFT, and WPFT Series Fixtures



Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A312P	Side Mount PhotoMotion™ Sensor - Bronze	120-277V 50/60Hz	0-10V	600W
A313P	Side Mount PhotoMotion™ Sensor - White	120-277V 50/60Hz	0-10V	600W



A314P Side Mount PhotoMotion™ PIR Sensor

The A314P can be mounted into a ½" NPT knockout on most indoor lighting fixtures and offers multi-level control based on motion and daylight contribution. Most commonly used in indoor high and low bay lighting applications.

KEY FEATURES:

- UL listed to UL773A
- Detection Zone / Angle:
Low Bay Lens - Maximum coverage 48' diameter from 8-20' height / 360°
High Bay Lens - Maximum coverage 60' diameter from 8-50' height / 360°
- Mounting Height:
Low Bay Lens - 8-20'
High Bay Lens - 8-50'
- Operating Temp.: -40° to 75° Celsius
- Compatible With: A51, CL, HBL, LSL2, PGC, and PGR Series Fixtures



Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A314PLB	Low Bay Lens Side Mount PhotoMotion™ Sensor	120-277V 50/60Hz	0-10V	600W
A314PHB	High Bay Lens Side Mount PhotoMotion™ Sensor	120-277V 50/60Hz	0-10V	600W

A315 Remote Control

The A315 remote control allows for custom programming of the A311P, A312P, A313P, A314P, A316P, A317M, A318M, and A336P PhotoMotion™ Sensors. The remote can customize the following functions: detection range sensitivity, hold time, hold brightness, daylight sensor, stand-by brightness, and stand-by time.

KEY FEATURES:

- Remote Range: 50'

Requires (2) AAA Batteries



A315-Z10-V1 Remote Control

The A315-Z10-V1 remote control allows for custom programming of the S-Z10-SPM-EXT-WHT-V1 PhotoMotion™ Sensor. The remote can customize the following functions: detection range sensitivity, hold time, hold brightness, daylight sensor, stand-by brightness, and stand-by time.

KEY FEATURES:

- Remote Range: 50'

Requires (2) AAA Batteries



BRIGHT DONE RIGHT™

