PhotoMotion™ Sensors Overview

JARVIS LIGHTING ™

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 the A315 remote control. 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.

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

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LISTED

5 WARRANTY YEAR

Additional technical specifications may be available. Additional variants and models may also be available, contact a Jarvis representative for more information.

PhotoMotion™ Sensors

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 Fixturess

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

PhotoMotion™ Sensors

A316P Remote Head PhotoMotion™ PIR Sensor

The A316P is designed to upgrade panel and troffer fixtures as well as retrofit kits with PhotoMotion™ capabilities. Featuring a fast and easy field installation process, the sensor head can be mounted separately from the power supply to ensure the best sensor positioning and performance.

KEY FEATURES:

- UL listed to UL773A
- Detection Zone / Angle: Maximum coverage 48' diameter from 40' height / 360°
- Mounting Height: 8-40'
- Operating Temp.: -40° to 70° Celsius
- Compatible With: JSK and JLP Series Fixtures

Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A316P	Remote Head PhotoMotion™ Sensor	120-277V 50/60Hz	0-10V	600W

A317M Panel + Troffer PhotoMotion™ Microwave Sensor

The A317M is designed to upgrade panel and troffer fixtures as well as retrofit kits with PhotoMotion™ capabilities. Featuring a fast and easy field installation process, the sensor can be secured using either the included magnets or adhesive strips.

KEY FEATURES:

- UL listed to UL773A
- Detection Zone / Angle: Maximum coverage 24' diameter from 8' height / 360°
- Mounting Height: 8-20'
- Operating Temp.: -40° to 70° Celsius
- Compatible With: JSK, JLP, and PLS Series Fixtures

Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A317M	Panel + Troffer PhotoMotion™ Sensor	120-277V 50/60Hz	0-10V	600W

PhotoMotion™ Sensors Overview

A318M Knockout PhotoMotion™ Microwave Sensor

The A318M is a low profile sensor that can be mounted into a 1⁄2″ 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 29.5' diameter from 40' height / 360°

- Mounting Height: 6.5-40'

- Operating Temp.: -40° to 70° Celsius

- Compatible With: AL, AWP,WMFT, AL-EMER Series Fixtures

Catalog Number and Specifications:

Catalog #	Description	Rated Voltage / Frequency	Dimming Control	Rated Load
A318M	Knockout 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

www.jarvislighting.com   (800) 363-1075