Frequently Asked Questions

LightHAWK

What is being announced?

The Dual Technology Dimming LightHAWK®2 Wall Switch Occupancy/Vacancy Sensor, that combines Passive Infrared (PIR) and Ultrasonic detection technologies with the additional energy savings of 0-10V dimming.

When will the sensor be available?

The Dual Technology Dimming LightHAWK will available January 2019.

What is IntelliDAPT?

The sensor features IntelliDAPT™ technology which makes all of the sensor adjustment decisions automatically. Throughout the product's lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings.

What sensing technologies does the sensor use?

The sensor uses both Passive Infrared (PIR) and 40KHz Ultrasonic detection technologies. The sensor can be configured to require both technologies to detect occupancy before turning lights on or it can be configured to turn lights on when either technology detects occupancy.

What is an "occupancy/vacancy" sensor?

The term "occupancy/vacancy" refers to the two different modes the sensor can operate in. When configured for occupancy mode, the sensor will automatically turn the lights on when occupancy is detected and will automatically turn the lights off when no motion is being detected. Occupancy mode is commonly referred to as "Auto On / Auto Off". When configured for vacancy mode, the person occupying the space must first manually turn the lights on with the switch button and when the area becomes vacant, the sensor will automatically turn the lights off. Vacancy mode is referred to as "Manual On / Auto Off".

What is the default "occupancy/vacancy" mode for this sensor?

The sensor is factory configured for vacancy mode. Vacancy mode provides the most energy savings by not turning on the lights in an area if a person is only going to be in the area for a brief period (e.g. when retrieving a notebook from a desk).

How does the sensor switch "occupancy/vacancy" modes?

The sensor features an operating mode DIP switch that enables the sensor to operate in either occupancy mode or vacancy mode.

Is there a version of the sensor that is only available in vacancy mode?

Yes. Title-24 states that a wall switch sensor can only operate in vacancy mode and cannot be configured for occupancy mode. The new Dual Technology Dimming Sensor is available in a vacancy mode only version.

When does the sensor turn off the lights?

The sensor will automatically turn off the lights when no motion has been detected by either technology after the timer has expired.

Is the sensor's timer self-adapting or fixed?

The sensor's timer can be configured to be self-adapting or fixed. When configured for IntelliDAPT self-adapting mode, the sensor will automatically adjust the timer value to meet the controlled area's occupancy patterns and to provide the most energy savings. When configured for fixed timer mode, the sensor's timer can be set to 4, 18, 16 or 20 minutes.

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Other sensors in the market have a 30-minute max timer. Why the 20-minute max timer?

To save additional energy, recent changes to the ASHRAE 90.1 Guidelines have reduced the timer delay for motion sensors from 30-minutes to 20-minutes. This sensor supports the new 20-minute maximum timer requirement.

After manually setting the light level in the area, will that level be remembered by the sensor?

Yes. The default operation is for the sensor to turn the lighting on to the same level it was at when it turned off.

What are the electrical ratings for the sensor?

The sensor has the following electrical ratings:
- 120V: 0-1000W Ballast, E-Ballast, LED, Tungsten; 1/6 HP Motor
- 277V: 0-1200W Ballast, E-Ballast, LED; 1/6 HP Motor
- 347V: 0-1500W Ballast, LED

Does the sensor have photocell control?

Yes. The sensor's photocell is used to detect if other light sources such as sunlight, are sufficient to illuminate the space without turning on the controlled lights. The sensor is shipped from the factory with the photocell control disabled. If use of the photocell is required, the sensor features an auto-calibration mode.

What is a RhinoTuff™ vandal resistant lens?

A RhinoTuff lens is a specially made sturdy plastic lens that is resistant to being pushed in and damaged. It's the perfect lens for those public space applications like restrooms and classrooms.

How is the sensor mounted?

The sensor mounts in single-gang NEMA-style switch boxes (standard switch box).

What colors is the sensor available in?

White, Ivory, Light Almond, Gray and Black

Does the sensor feature color matching lens?

Yes. The color of the sensor's lens matches the sensor's housing color.

What type of wall plate does the sensor use?

The sensor uses standard decorator-style wall plates (sold separately).