

## SAVE TIME AND MONEY WITHOUT COMPROMISING SAFETY

### HIGH BAY OCCUPANCY SENSORS — WATTSTOPPER HBP-100 SERIES

LED lighting lasts longer and consumes less power than traditional lighting systems. In high bay environments with long operating hours, upgrading to LED saves energy and provides significant cost savings.

As you upgrade, you can take advantage of the efficiency and safety provided by Wattstopper HBP-100 series high bay occupancy sensors. The new snap-in mounting accessory enables faster installation of fixture and electrical box mounted controls and is now **standard** on all HBP-100 products. The HBP-100 series is the only high bay occupancy sensor on the market to meet Underwriters Laboratory's (UL) 916 Standard for Energy Management.

### STAY SAFE IN BUSY ENVIRONMENTS

According to the National Institute of Building Sciences, the design and construction of secure and safe buildings... continues to be the primary goal for owners, architects, engineers, project managers, and other stakeholders<sup>1</sup>. Wattstopper, a product line of Legrand, North America offers the only high bay occupancy sensor on the market to pass the UL Conduit Nipple Strength Test for Non Metallic Enclosures.

The HBP-100 series can withstand a 5 ft-lb (6.8J) impact on each plane without cracking the enclosure or separating the sensor from the fixture. This ensures the safety of people and property by preventing injury from electrical shock or fire, or damage to fixtures or electrical box-mounted controls.

### IMPROVE SPEED AND EFFICIENCY ON PROJECTS

The HBP-100 series is mounted between 15 and 40 feet — ideal for warehouse, manufacturing and industrial settings, and other high and low bay indoor spaces.

The mounting hardware is a separate accessory so original equipment manufacturers (OEMs) can ship the snap-in the fastest, most convenient way — separately or bundled with sensors.

The ease and speed of installing HBP-100 series sensors helps facility managers avoid down time and keep production lines moving. Contractors can meet project deadlines while maintaining safety standards.



## ABOUT THE MARKET

The warehouse, manufacturing, and industrial markets are changing. Lighting technology has shifted from traditional high-intensity discharge (HID) lamps to Fluorescent and currently to LED lighting. This shift to LED lighting is allowing the addition of occupancy based sensor controls. This advancement in LED and efficient lighting controls can improve energy efficiency by 86% annually<sup>2</sup> in high bay applications. Traditionally, these markets did not include lighting controls in these applications due to the long warm up time and short life of the HID lamps.

According to Navigant Research, global sales of high-bay luminaires and lamps will peak at almost \$17 billion between 2017-2020 and will slowly stabilize to around \$15.9 billion by 2021. The peak time to sell lighting controls in this high bay space is now.

When a warehouse facility upgrades its lighting, many local and national energy codes are requiring On/Off lighting controls. Check to see what NEC, ASHRAE, Title 24, and local codes are required in your area. Many rebates are also available to off-set the upfront costs of these lighting and controls upgrade programs.

## ABOUT THE HBP-100 SERIES

HBP-100 series High Bay Passive Infrared (PIR) Occupancy Sensors provide automatic control of individual LED and fluorescent light fixtures in warehouse and other indoor high and low bay spaces.

- Easy snap-in mounting using knockouts at end of high bay luminaire; flexible mounting options allows for mounting on a variety of enclosure thickness
- Best-in-class high bay lens providing 360° coverage
- Snap-in aisle way mask provides precise coverage and flexibility to adapt to conditions at the jobsite
- HBP-111 adjustable via handheld wireless configuration tool

Whether you're designing, building, or managing high bay environments, you can take advantage of the HBP-100 series for high performance and efficiency. The UL rating identifies the HBP-100 series occupancy sensors as a standout in the market, ensuring a reliable system that doesn't compromise safety.



<sup>1</sup> - "Secure / Safe Committee." Whole Building Design Guide. National Institute of Building Sciences, 19 Oct. 2015, [www.wbdg.org/design/secure\\_safe.php](http://www.wbdg.org/design/secure_safe.php) (July 22, 2016).

<sup>2</sup> Based on 134 W LED fixture, 115 fixtures per 100K ft sq, Controls at 40% "off" verses HID lamps.