

HIGH BAY WET LOCATION OCCUPANCY SENSOR MODULE

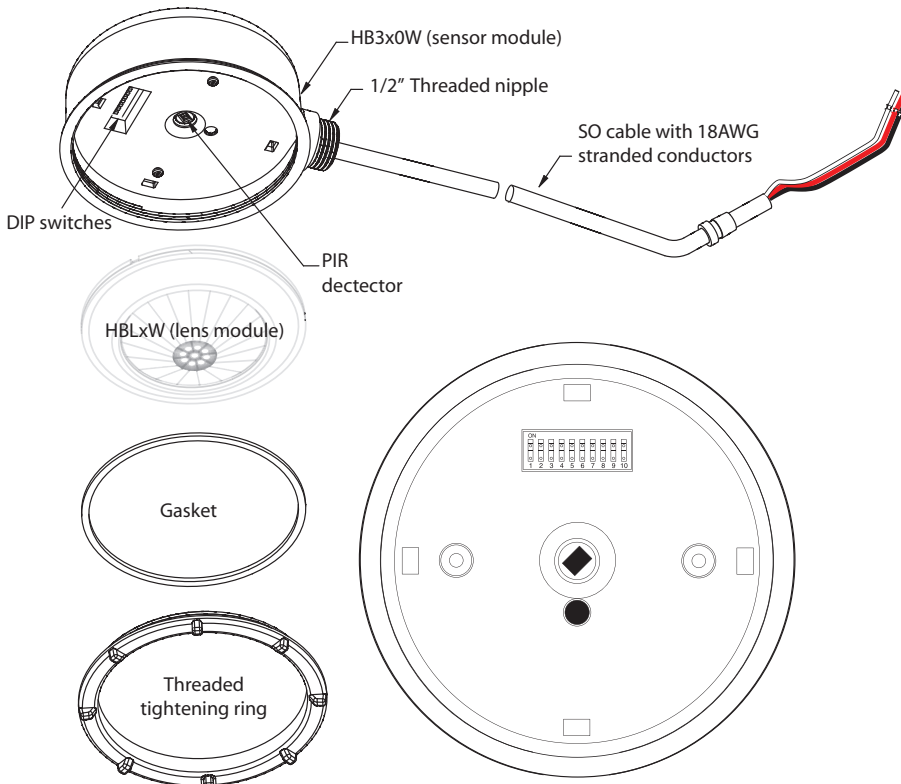
| HB3X0W-SERIES



Product Overview

HB3x0W PIR occupancy sensors are designed for automatic lighting control in warehouses and other wet location medium and high bay applications. The HB3x0W sensors are modular and consist of two parts, a sensor module (HB3x0W) and a lens (HBLxW). The HB3x0W sensor module is a one-

piece self-contained unit with a 1/2" threaded nipple for attaching to wet location junction boxes and conduit hubs, and to the end of a fixture. Three lens choices are offered, and lenses are interchangeable. Sensitivity and time delay adjustments are set using DIP switches located behind the lens.



Models

HB350W 120/277 VAC, 60 Hz
Load @ 120 VAC 0-800 W Ballast/
Tungsten, 1/6 Hp
Load @ 277 VAC 0-1200 W Ballast

HB340W 347/480 VAC, 60 Hz
Load @ 347 VAC 5 A Ballast
Load @ 480 VAC 5 A Ballast

HB330W 208/240 VAC, 60 Hz
Load @ 240 VAC 5 A Ballast

HB300W 24VDC
Use with Wattstopper power pack

Specifications and Features

For use in wet location environments (indoors and outdoors)

Easy mounting using extender module mounting accessory

Line voltage and low voltage occupancy sensors

Power consumption for line voltage models:

HB330W, HB340W: 0.34W
HB350W: 0.36W

Power consumption for low voltage model:

HB300W: 10mA @ 24VDC

Operating Temperature: -40°F to 158°F (-40°C to 70°C)

Weight: 8 oz (226.8 g)

Maximum Dew Point: 85°F (29°C)

Five year warranty

UL and cUL listed

IP65 rated

UL rated raintight (UL244A and UL508)

Optical

Three interchangeable lenses (HBL2W, HBL3W, HBL4W)

Lenses sealed and gasketed

Lens choices for mounting between 8 and 40 feet (lens required for operation)

Materials

Polycarbonate, flame retardant
UV resistant

Impact resistant

Recyclable

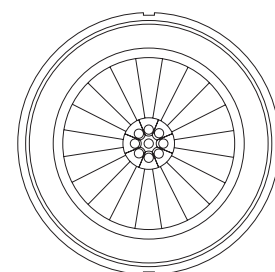
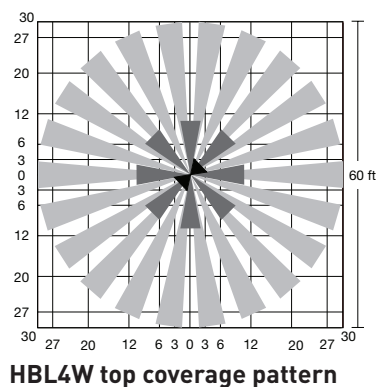
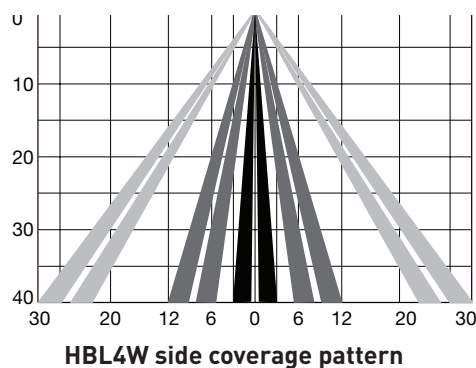
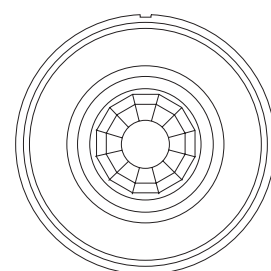
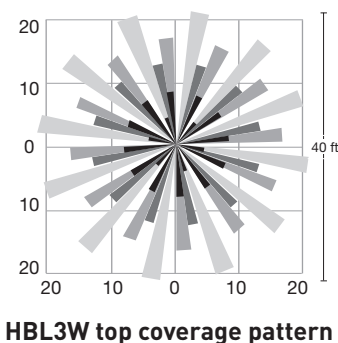
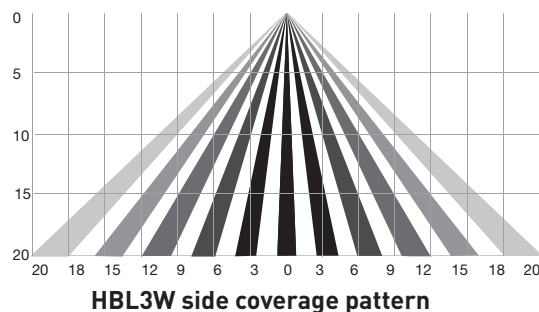
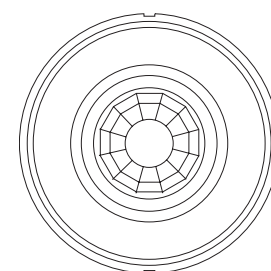
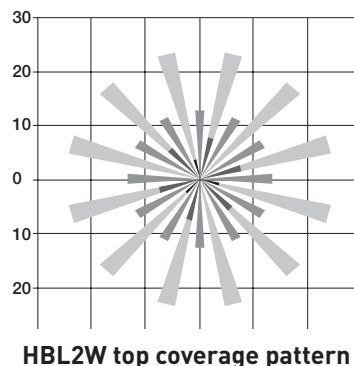
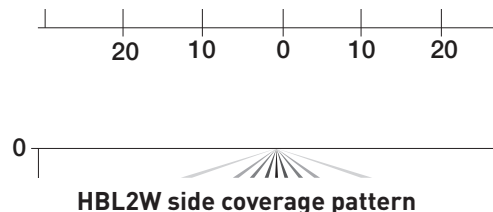
Meets materials restrictions of RoHS

Factory Defaults

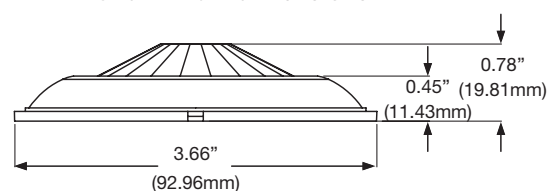
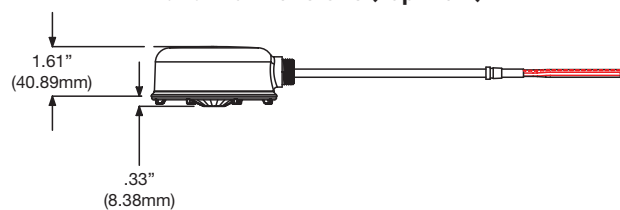
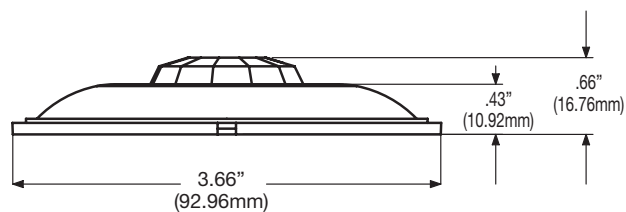
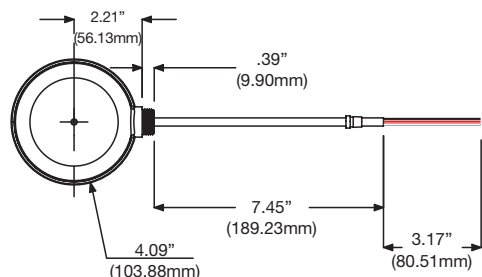
Time Delay: 15 minutes

Sensitivity Mode: Normal

Coverage



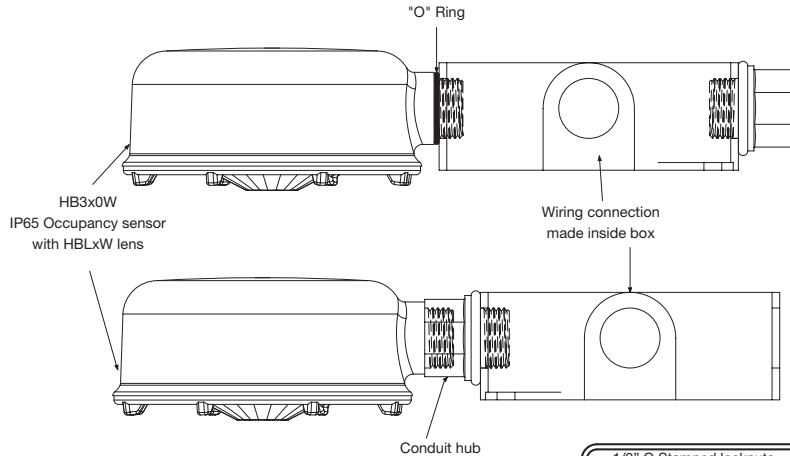
Dimensions



Installing and Mounting Instructions

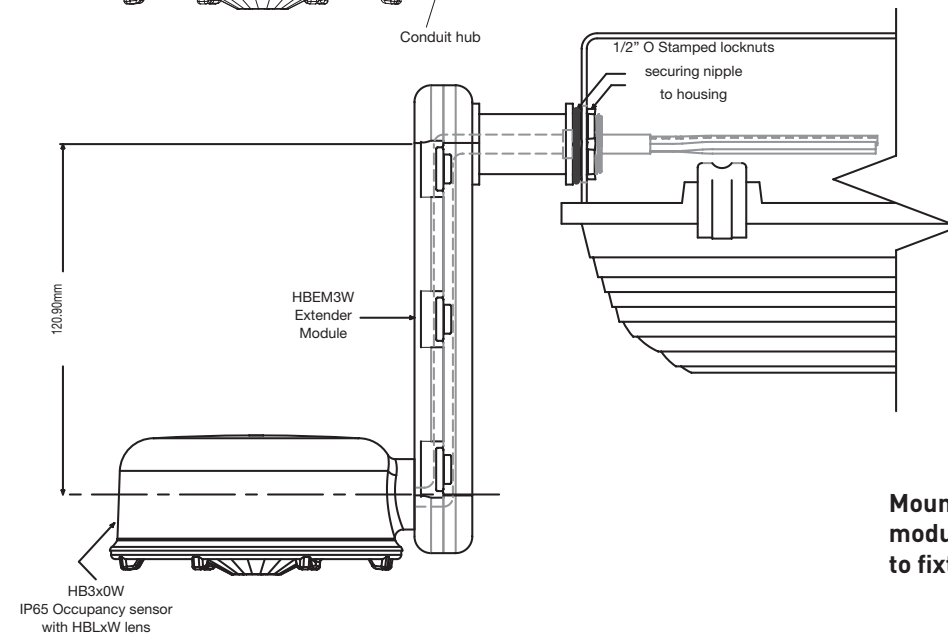
The 1/2" chase nipple facilitates mounting through fixture knockouts, or attaching to threaded J-boxes or conduit hubs. An accessory bag with an O-ring and two locknuts is available to accommodate various mounting needs.

Mount the sensor so that the fixture does not obstruct the field of view.



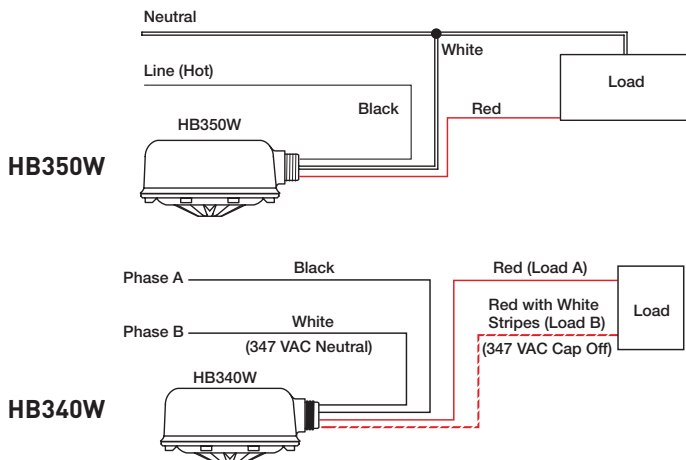
Direct mounting to wet location J-box.

Direct mounting to wet location J-box using conduit hub.



Mounting using an HBEM3W extender module accessory to attach sensor to fixture.

Wiring Diagrams

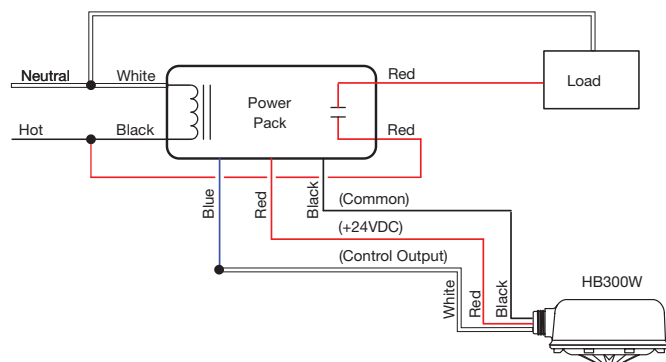


Important Start-up Information

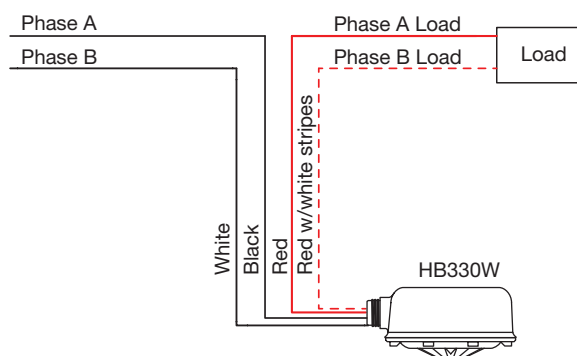
1. When power is initially applied to the sensor, the relay will be in a closed position to enable the lights to turn on immediately. Consequently, the sensor requires one minute to warm up before becoming operational. This warm up period is necessary either upon initial power up, or upon power up after a temporary power loss to the circuit.
2. The sensor is shipped with a factory preset time delay of 15 minutes. Lights will turn off 15 minutes after the last motion is detected.

Wiring Diagrams

HB300W Wiring



HB330W



Sequence of Operation

The HB3x0W occupancy sensor is designed to mount to a light fixture and control one load in the fixture. The sensor can be wired to control all ballasts in the fixture, or to control half of the ballasts to provide high/low lighting control. When motion is detected within the sensor's coverage area, the relay in the sensor closes, and lighting loads turn on automatically. When motion is no longer detected for the duration of the time delay setting, the relay opens and the lighting load is turned off. The sensitivity and time delay settings are factory preset at 100% and 15 minutes, respectively, which are suitable for most high bay applications. However, the values can be easily adjusted for specific applications using the DIP switches on the unit. Refer to the Installation Instructions for changing factory preset values, and for important start up instructions.

Ordering Information

Catalog #	Master Pack Details				
	Master Pack Quantity	Case dimensions (inches)			Weight (pounds)
		Length	Width	Height	
HB300W	50	18.50	21.50	16.50	25.0
HB330W	50	18.50	21.50	16.50	25.0
HB340W	50	18.50	21.50	16.50	27.8
HB350W	50	18.50	21.50	16.50	25.5
HB350W-CC2	50	18.50	21.50	16.50	26.5
BZ-50	40	13.58	13.46	9.06	15.0

Inner Pack Quantity	Inner Pack Details			
	Case dimensions (inches)			Weight (pounds)
	Length	Width	Height	
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
N/A	N/A	N/A	N/A	N/A
10	6.30	13.0	3.93	3.55

Catalog #	Color	Description	Voltage	Load Capacity
<input type="checkbox"/> HB300W	White	Wet Low Voltage High Bay Sensor (Bulk Packaged)	24 VDC	Refer to Power Pack for Load Capacity
<input type="checkbox"/> HB330W	White	Wet Line Voltage High Bay Sensor (Bulk Packaged)	208/240 VAC	5 A ballast @ 240 VAC
<input type="checkbox"/> HB340W	White	Wet Line Voltage High Bay Sensor (Bulk Packaged)	347/480 VAC	5 A ballast @ 347/480 VAC
<input type="checkbox"/> HB350W	White	Wet Line Voltage High Bay Sensor (Bulk Packaged)	120/277 VAC	0-800 W ballast and tungsten @ 120 VAC or 0-1200 W ballast @ 277 VAC or 1/6 hp motor
<input type="checkbox"/> HB350W-CC2	White	Wet Line Voltage High Bay Sensor (Bulk Packaged)	120/277 VAC	0-800 W ballast and tungsten @ 120 VAC or 0-1200 W ballast @ 277 VAC or 1/6 hp motor
<input type="checkbox"/> BZ-50	White	Power Pack	120/230 (1P, L-N) /277 VAC	

Information supplied above is subject to change.
 Harmonization code: 8538908080. Country of origin: China.