

# HBEM3

## High Bay Occupancy Sensor Mounting Bracket Extender Module

### DESCRIPTION

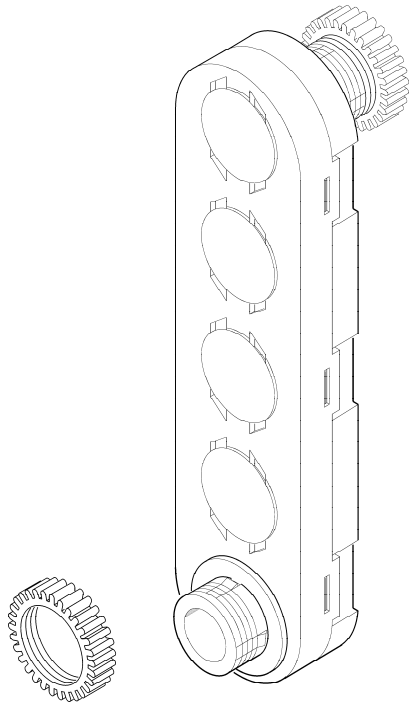
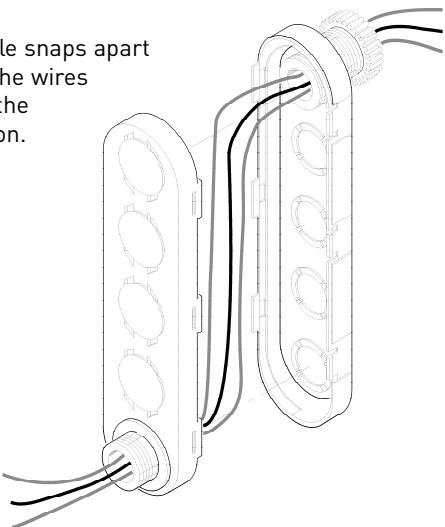
The HBEM3 Extender Module allows you to attach an HB350 series occupancy sensor equipped with an HBNB3 back box to the side of a fixture. Once attached, you can adjust the position of the sensor to be above, below, or to the front or back of the fixture, up to 4.75" (120mm) from the fixture knockout.

Two chase nipples are included with the HBEM3. The short end of the chase nipples snap into the HBNB3, or other plastic connection box whose walls do not exceed 2.4mm (0.09"). The long end of the longer chase nipple (1.24") fits into a metal fixture with a standard knockout. If the fixture wall does not exceed 1mm (0.04") in thickness, the nipple snaps into the knockout securely and the internal nut (included) is not necessary. The included nut should always be used if the fixture wall is thicker than 1mm (0.04").

The extender module snaps apart to allow threading the wires through it and into the fixture for connection.

It snaps together to protect the wires.

Knockouts on the HBEM3 can be removed in various configurations to allow moving the chase nipples and adjusting the height of the sensor on the fixture.



### SPECIFICATIONS

- Maximum extension . . . . .4.75" (120mm)
- Included . . . . .2 chase nipples and nuts
- Inner diameter . . . . .0.63" (16mm)
- Threaded outside diameter . . .0.82" (20mm)
- Overall length:
  - 0.88" for connection to plastic fixture
  - 1.24" for connection to metal fixture

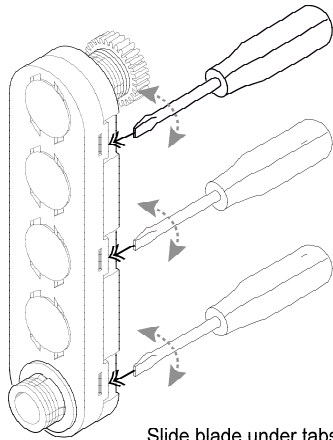
### INSTALLATION

**⚡ CAUTION ⚡**  
**TURN THE POWER OFF AT THE CIRCUIT BREAKER BEFORE HANDLING ANY ELECTRICAL WIRING.**

Determine the mounting location appropriate to the features of the power module and the coverage area.

Careful consideration must be given to sensor placement. Avoid placing the sensor where shelving or other obstructions may block the sensor's line of sight.

Daylighting models must be located so that the daylight sensor on the unit is not obstructed. The light sensor is designed so that it can either look UP toward a skylight or DOWN toward the task area. (See the power module installation instructions.)



Slide blade under tabs located in 3 places. Gently pry apart.

## MOUNTING OPTIONS

The HB350\* can be attached either directly to the fixture surface via the two screw holes provided in the Power Module or using the HBNB3 back box and chase nipple. The Extender Module (HBEM3) allows attaching the sensor to the side of the fixture in a number of configurations using provided chase nipples.

**HBNB3 back box mounting** requires a standard 1/2" knockout for the chase nipple. The box comes ready for side mounting. It can be modified for rear mounting as follows:

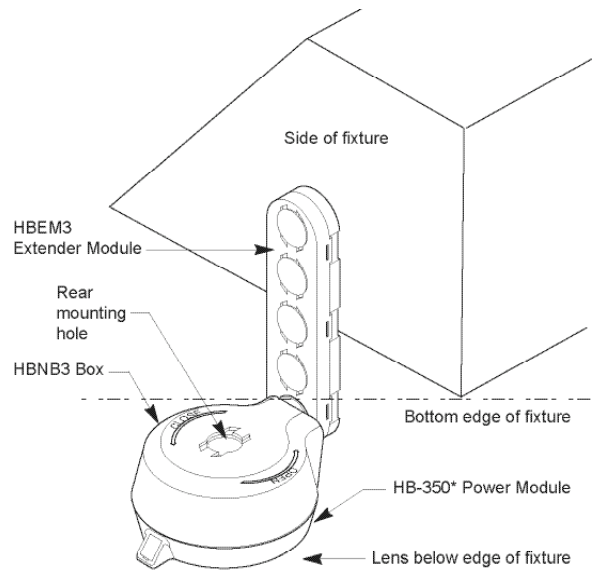
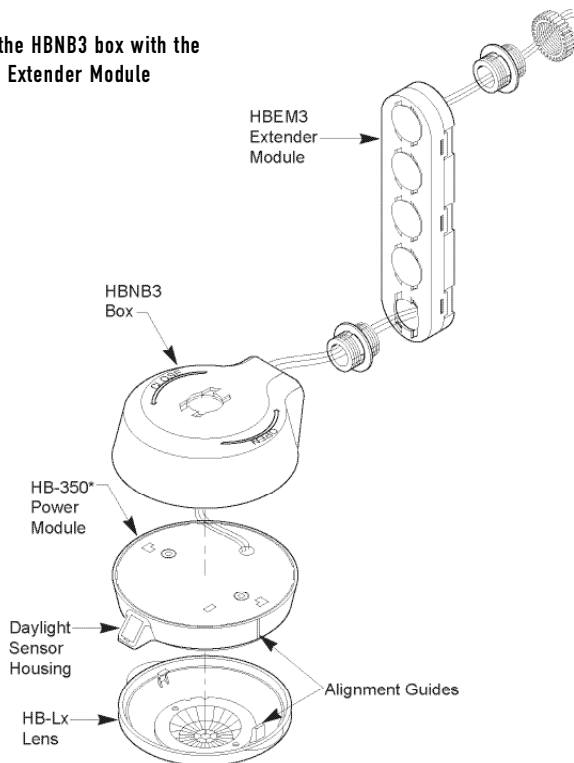
1. Pop out the cap in the rear mounting hole.
2. Un-snap the chase nipple from the side mount and snap into the rear mounting hole.
3. Use the cap from the rear mounting hole to close the side mount hole.
4. The chase nipple provided can be pushed into a standard 1/2" knockout in a metal fixture (max of 1 mm (0.04") thick metal) without the need for an internal nut. A nut can be used for added security if it is felt to be necessary.
5. The Power Module mounts to the back box with a bayonet type fitting requiring a slight twist of the units to lock them into place.

**The HBEM3 extender module** snaps apart to allow threading the wires through it and into the fixture for connection. It is then snapped back together to protect the wires.

The short chase nipple is designed to snap into the HBNB3 connection box while the longer chase nipple snaps into any metal fixture with a standard knockout.

The knockouts on the HBEM3 can be removed in various configurations to allow moving the chase nipples and adjusting the height of the sensor on the fixture. A spare cap is included to plug the unused knockout hole.

### Using the HBNB3 box with the HBEM3 Extender Module



## ORDERING INFORMATION

Catalog #	Description
HB350*-L#+	High bay, line voltage occupancy sensor consists of: <ul style="list-style-type: none"> <li>• HB350* Power Module</li> <li>• An HBL# lens (L# indicates the lens number) (see COVERAGE GUIDE)</li> </ul>
HBNB3	Back box with 2 chase nipples and nuts; 1 short (0.88") for connection to plastic, 1 long (1.24") for connection to metal
HBEM3	Extender module with 2 chase nipples and nuts 1 short (0.88") for connection to plastic, 1 long (1.24") for connection to metal 1 plastic knockout cap

\* P indicates dual PIR detectors,  
D indicates daylight feature, DR indicates daylight plus second relay,  
C is for colder ambient temperature applications: -4° to 131°F (-20° to 55°C)  
+ an additional -B suffix includes the HBNB3 back box  
All units are White.

## WARRANTY INFORMATION

Watt Stopper/Legrand warranties its products to be free of defects in materials and workmanship for a period of five (5) years. There are no obligations or liabilities on the part of Watt Stopper/Legrand for consequential damages arising out of, or in connection with, the use or performance of this product or other indirect damages with respect to loss of property, revenue or profit, or cost of removal, installation or reinstallation.



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