OMNI®-BP Line Voltage Passive Infrared Ceiling Sensor

PROJECT INFORMATION

<table>
<thead>
<tr>
<th>Catalog No.</th>
<th>Date</th>
</tr>
</thead>
</table>

The OMNIIRBP line voltage ceiling sensor uses passive infrared (PIR) technology to turn lighting on and off based on occupancy. Designed specifically for areas with long-range major-motion activity, this sensor features Hubbell Controls’ patented IntelliDAPT® technology, which makes all the sensor adjustments automatically.

Throughout the product’s lifespan, smart software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with IntelliDAPT technology provide a maintenance-free install-and-forget operation.

PRODUCT FEATURES

- IntelliDAPT self-adaptive technology—no manual adjustment required
- All-digital passive infrared (PIR) sensor
- Non-volatile memory for sensor settings
- 450–1,500 square-foot coverage area (depending on model)
- Self-contained power supply
- Universal voltage (120-277VAC; 50/60 Hz)
- UL and cUL listed
- California Title 24 compliant
- Five-year warranty
- 120-277 Vac
General Specifications

IntelliDAPT® Technology
- Auto reset from test setting
- Self-adjusting timer
- Self-adjusting passive infrared thresholds
- Automatic false-on/false-off corrections

LED lamp
- Red—infrared motion

Timer timeout
- Automatic mode: 8–30 min. (self-adjusts based on occupancy)
- Test mode: 8 seconds (for an easy check at installation)

Passive infrared (PIR)
- Dual-element pyrometer and 12-element cylindrical rugged lens

Coverage
- 450–1,500 square feet (depending on model)

Power requirements
- 120-277VAC; 50/60Hz
- Single phase only

Output
- 24VDC active high-logic control signal with short circuit protection

Relay Contact Rating
- 20A: 120VAC Incandescent
- 20A: 120 or 277VAC Magnetic Ballast
- 16A: 120 or 277VAC Electronic Ballast
- 1HP: 120VAC Motor Load
- 3/4HP: 277VAC Motor Load

Operating environment
- Indoor use only
- Operating temperature: 32° to 104°F (0° to 40°C)
- Relative humidity (non-condensing): 0% to 95%

Construction
- Casing—rugged, high-impact, injection-molded plastic KJB ABS Cycolac (UL-945VA) flame class rating, UV inhibitors
- Color-coded leads are 6” long

Size and weight
- Size: 4.5” diameter, 3.4” height (114 mm diameter, 86.4mm height)
- Weight: 8.2 oz (232g)

Color
- Off-white

Mounting
- Mounting base provided
- Recommended MAX mounting height: 12ft.

Certifications
- UL and cUL listed

Warranty
- Five years

Ordering Information

<table>
<thead>
<tr>
<th>MODEL</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>OMNIIRBP1277</td>
<td>Line Voltage Passive Infrared Ceiling Sensor 450 Sq Ft coverage</td>
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<tr>
<td>OMNIIRLBP1277</td>
<td>Line Voltage Passive Infrared Ceiling Sensor 1500 Sq Ft coverage</td>
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</tbody>
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