



## Ceiling and Wall Mount Occupancy Sensors *OMNI™ Dual Technology Acoustic and Passive Infrared Ceiling Sensor featuring IntelliDAPT®*

### KEY FEATURES

- IntelliDAPT self-adaptive technology—no manual adjustment required
- All-digital dual technology (acoustic and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 450 square-foot coverage
- Optional relay and photocell control
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- 5-year warranty



OMNIDIA

### OVERVIEW

The OMNIDIA combines passive infrared (PIR) and acoustic (sound-activated) technologies to turn lighting systems on and off based on occupancy. The OMNIDIA features Hubbell Building Automation’s 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 provide a maintenance-free “Install and Forget” operation.

### FEATURES and BENEFITS

#### Features

IntelliDAPT technology

All-digital multi-technology (passive infrared [PIR] and acoustic) sensor

Non-volatile memory for sensor settings

Optional relay and photocell control

Optional Quick to Install (QTI) connector

#### Benefits

- Sensor automatically determines the ideal setting for an area
- Excellent false trip immunity (for improved accuracy)
- No manual sensitivity and timer adjustments required
- Provides a maintenance-free “Install and Forget” operation

• Superior PIR long-range major-motion detection combined with acoustic detection technology

• Learned and adjusted settings will not be lost during power outages

- Easy integration with Building Automation Systems
- Increases energy savings by preventing lights from turning on when there is sufficient natural light

• Dramatically reduces installation costs by removing the time-consuming process of manually wiring a sensor to a power pack

- Easy to install; fast and efficient; no cutting, stripping, or wire nuts required

### APPLICATIONS

- Offices
- Small conference rooms
- Break rooms

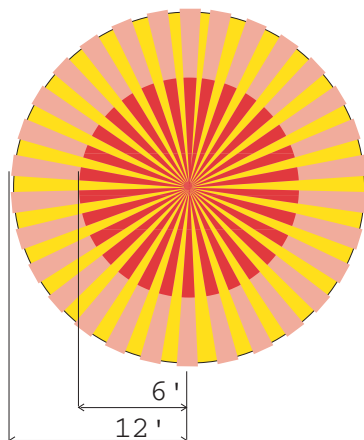
## SPECIFICATIONS

IntelliDAPT	<ul style="list-style-type: none"> <li>• Auto reset from test setting</li> <li>• Self-adjusting timer</li> <li>• Self-adjusting passive infrared and acoustic thresholds</li> <li>• Automatic false-on/false-off corrections</li> </ul>
LED lamp	<ul style="list-style-type: none"> <li>• Red—infrared motion</li> <li>• Green—acoustic detection</li> </ul>
Timer timeout	<ul style="list-style-type: none"> <li>• Automatic mode: 8–30 min. (self-adjusts based on occupancy)</li> <li>• Test mode: 8 seconds (for an easy check at installation)</li> </ul>
Passive infrared (PIR)	<ul style="list-style-type: none"> <li>• Dual-element pyrometer and 12-element cylindrical rugged lens</li> </ul>
RP option	<ul style="list-style-type: none"> <li>• Relay and photocell included</li> <li>• Relay: NO + NC contacts; SPDT; 500 mA rated @ 24VDC; three-wire isolated relay</li> <li>• Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)</li> </ul>
Coverage	<ul style="list-style-type: none"> <li>• 450 square feet (depending on model)</li> </ul>
Power requirements	<ul style="list-style-type: none"> <li>• 24 VDC, 33 mA (uses UVPP and MP-Series power pack—not included)</li> </ul>
Output	<ul style="list-style-type: none"> <li>• 24 VDC active high-logic control signal with short circuit protection and optional dry contact (see: RP Option)</li> </ul>
Operating environment	<ul style="list-style-type: none"> <li>• Indoor use only</li> <li>• Operating temperature: 32°–104° F (0°–40° C)</li> <li>• Relative humidity (non-condensing): 0%–95%</li> </ul>
Construction	<ul style="list-style-type: none"> <li>• Casing—rugged, high-impact, injection-molded plastic KJB ABS Cylolac (UL-945VA) flame class rating, UV inhibitors</li> <li>• Color-coded leads are 6" long</li> </ul>
Size and weight	<ul style="list-style-type: none"> <li>• Size: 4.5" diameter, 1.5" height (114 mm diameter, 38mm height)</li> <li>• Weight: 5.0 oz (142g)</li> </ul>
Color	<ul style="list-style-type: none"> <li>• Off white</li> </ul>
Mounting	<ul style="list-style-type: none"> <li>• Mounting base provided</li> <li>• Recommended MAX mounting height: 12ft.</li> </ul>
Certifications	<ul style="list-style-type: none"> <li>• UL and cUL listed</li> </ul>
Warranty	<ul style="list-style-type: none"> <li>• 5 years</li> </ul>

## HOW TO ORDER

Catalog Number	Description	Color	Coverage
OMNIDIA	Dual Technology Acoustic and Passive Infrared Ceiling Mount Sensor with IntelliDAPT	Off White	450 sq. ft.
OMNIDIARP	Dual Technology Acoustic and Passive Infrared Ceiling Mount Sensor with IntelliDAPT (Relay and Photocell)	Off White	450 sq. ft.

### RANGE DIAGRAMS



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