HUBBELL[®] Control Solutions

OMNI Ceiling Mount Occupancy/Vacancy Sensors



Exceptional Motion Detection for Indoor Applications

The OMNI Ceiling Mount Occupancy/Vacancy Sensor is designed for medium to large spaces with ceilings up to 12' in height. When a person passes into or out of a sensor zone, the sensor detects motion and switches the lights ON. The lights will remain ON as long as there is an occupant in the room. When the space being monitored by the sensor is unoccupied the unit will switch the lights OFF. For large spaces, up to four sensors can be linked together to control the lighting as a single group. This makes the OMNI sensor ideal for spaces such as cafeterias, classrooms, large bathrooms, offices with cubicles and more.

OMNI sensors utilize Smart IntelliDAPT[®] Technology to analyze the controlled area and make digital adjustments to both sensitivity and timing settings for optimal performance, energy savings, and maintenance-free install-and-forget operation.

Features

- Ultrasonic (US) and Passive Infrared (PIR) technologies for unequaled motion detection
- Smart IntelliDAPT Technology eliminates false triggers
- 500 2,000 square-foot coverage area per sensor (depending on model)
- Optional relay and photocell control
- Five year warranty

Applications



Classrooms



Libraries



Conference Rooms



Large Bathrooms





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General Specifications

| | OMNI DT | OMNI US | OMNI IR |
|-------------------------|-------------------------------------|---|-------------------------------------|
| Technology | Passive Infrared/Ultrasonic | Ultrasonic | Passive Infrared |
| IntelliDAPT® Technology | Yes | Yes | Yes |
| LED Lamp | Red/Green | Green | Red |
| Timera | Automatic mode: 8–30 minutes | | Automatic mode: 8–30 minutes |
| Timer Timeout | Test mode: 8 seconds | Test mode: 8 seconds | Test mode: 8 seconds |
| Voltage | 24VDC | 24VDC | 24VDC |
| Coverage | 500, 1000, 2000 sq ft | 500, 1000, 2000 sq ft | 450, 1500 sq ft |
| Dimensions | Ø4.5", 1.5" H (Ø114.3mm, 38.1mm H) | Ø4.5", 1.5" hH (Ø114.3mm, 38.1mm H) | Ø4.5" 1.5" H (Ø114.3mm, 38.1mm H) |
| Applications | Indoor | Indoor | Indoor |
| Operating Environment | Operating temperature: 32° to 104°F | Operating temperature: 32° to 104°F | Operating temperature: 32° to 104°F |
| | (0° to 40°C) Relative humidity | (0° to 40°C) Relative humidity | (0° to 40°C) Relative humidity |
| | (non-condensing): 0% to 95% | Ultrasonic Yes Green Automatic mode: 8–30 minutes Test mode: 8 seconds 24VDC 500, 1000, 2000 sq ft Ø4.5", 1.5" hH (Ø114.3mm, 38.1mm H) Indoor Operating temperature: 32° to 104°F | (non-condensing): 0% to 95% |
| PowerPack | Not Included | Not Included | Not Included |
| Photocell | Yes - RP Option | Yes - RP Option | Yes - RP Option |
| NO/NC Relay | Yes - RP Option | Yes - RP Option | Yes - RP Option |
| Colors | Off-white | Off-white | Off-white |
| Certifications | UL and cUL listed | UL and cUL listed | UL and cUL listed |
| Warranty | 5-year | 5-year | 5-year |

Ordering Information

| OMNI DT | | | Ordering Example: OMNIDT500 |
|------------------|---------------------|--------------------------------|--------------------------------|
| OMNI | DT | | |
| | | | |
| MODEL | TECHNOLOGY | COVERAGE | RELAY/PHOTOCELL OPTION |
| OMNI OMNI Sensor | DT Dual Technology | 500 500 sq. ft. | RP Relay/Photocell |
| | | 1000 1,000 sq. ft. | Blank No Relay/Photocell |
| | | 2000 2,000 sq. ft. | |
| OMNI US | | | Ordering Example: OMNIUS1000RP |
| OMNI | US | | |
| | | | |
| MODEL | TECHNOLOGY | COVERAGE | RELAY/PHOTOCELL OPTION |
| OMNI OMNI Sensor | US Ultrasonic | 500 500 sq. ft. | RP Relay/Photocell |
| | | 1000 1,000 sq. ft. | Blank No Relay/Photocell |
| | | 2000 2,000 sq. ft. | |
| OMNI PIR | | | Ordering Example: OMNIIRL |
| ΟΜΝΙ | IR | | |
| | | | |
| MODEL | TECHNOLOGY | COVERAGE | RELAY/PHOTOCELL OPTION |
| OMNI OMNI Sensor | IR Passive Infrared | L Long Range IR, 1,500 sq. ft. | RP Relay/Photocell |
| | | Blank 450 sq. ft. | Blank No Relay/Photocell |

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