OMNI®-BP Line Voltage Ultrasonic Ceiling Sensor

PROJECT INFORMATION
Project Name
Catalog No. Date

The OMNIUSBP1277 line voltage ceiling sensor uses ultrasonic (US) technology to turn lighting on and off based on occupancy. Designed specifically for both areas with obstructions (e.g. columns, cubicles, stalls, and filing cabinets) and areas with long periods of minor-motion activity (e.g. typing), 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
• Superior all-digital ultrasonic (US) minor motion detection
• Non-volatile memory for sensor settings
• 500–2,000 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 ultrasonic thresholds
- Automatic false-on/false-off corrections

LED lamp
- Green—ultrasonic motion

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

Ultrasonic (US) output
- OMNIUS500: 40kHz output
- OMNIUS1000 and OMNIUS2000: 32kHz output

Coverage
- 500–2,000 square feet (depending on model)

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

Output
- 24 VDC 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 using a 3 inch mud ring attached to 4 inch square electrical box
- Recommended MAX mounting height: 12ft.

Certifications
- UL and cUL listed

Warranty
- Five years

Ordering Information

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<td>OMNIUS500BP1277</td>
<td>500 Sq Ft</td>
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<tr>
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