OMNI®-BP Line Voltage Dual Technology

CEILING MOUNT OCCUPANCY SENSORS

PROJECT INFORMATION

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The OMNIDTBP1277 line voltage ceiling sensor combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. This dual technology provides accurate turn-ons while virtually eliminating false-offs.

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 dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Self-contained power supply
- Universal voltage (100-277VAC; 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 and passive infrared thresholds
- Automatic false-on/false-off corrections

LED lamp
- Red—infrared motion
- 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
- OMNIDT500: 40kHz output
- OMNIDT1000 and OMNIDT2000: 32kHz

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

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

Power requirements
- 100-277VAC; 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>OMNIDT500BP1277</td>
<td>Line Voltage Ultrasonic and PIR Ceiling Sensor 500 Sq Ft coverage</td>
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