

# OMNI®-BP Line Voltage Ultrasonic Ceiling Sensor

CEILING MOUNT OCCUPANCY SENSORS

TITLE  
24  
COMPLIANCE



## PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

Date \_\_\_\_\_



OMNIUS500BP1277

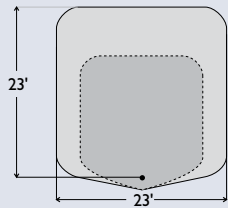
The OMNIUSBP1277 line voltage ceiling sensor uses ultrasonic (US) technology to turn lighting on and off based on occupancy. Designed specifically for both areas with obstructions (e.g. columns, cubicles, stalls, and filing cabinets) and areas with long periods of minor-motion activity (e.g. typing), 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

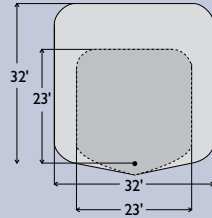
- IntelliDAPT self-adaptive technology — no manual adjustment required
- Superior all-digital ultrasonic (US) minor motion detection
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Self-contained power supply
- Universal voltage (120-277VAC; 50/60 Hz)
- UL and cUL listed
- California Title 24 compliant
- Five-year warranty
- 120-277 Vac





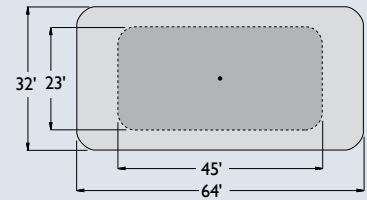
Minor Motion  
Major Motion

US 500 Range



Minor Motion  
Major Motion

US 1000 Range



Minor Motion  
Major Motion

US 2000 Range

## 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 Cyclac (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 a3 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

MODEL	
OMNIUS500BP1277	Line Voltage Ultrasonic Ceiling Sensor 500 Sq Ft coverage
OMNIUS1000BP1277	Line Voltage Ultrasonic Ceiling Sensor 1000 Sq Ft coverage
OMNIUS2000BP1277	Line Voltage Ultrasonic Ceiling Sensor 2000 Sq Ft coverage



**HUBBELL**  
Control Solutions