

OMNI® Low Voltage Ultrasonic Ceiling Sensor

CEILING MOUNT OCCUPANCY SENSORS

TITLE
24
COMPLIANCE



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____



OMNIUS500

The *OMNIUS* 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.

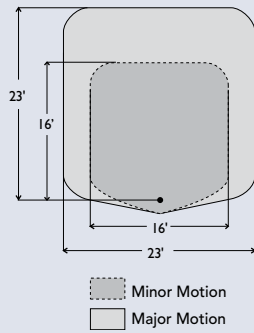
Throughout the product's lifespan, *IntelliDAPT* software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* technology provide a maintenance-free install-and-forget operation.

PRODUCT FEATURES

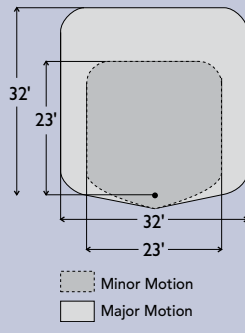
- *IntelliDAPT* self-adaptive technology - no manual adjustment required
- Superior all-digital ultrasonic (US) minor motion detection
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Optional relay and photocell control
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- California Title 24 compliant
- Five-year limited warranty
- Low Voltage 24 Vdc



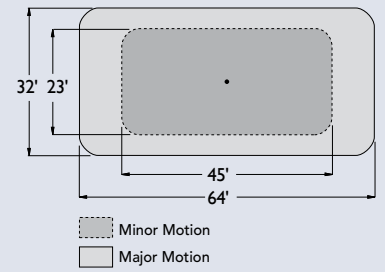
HUBBELL
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US 500 Range



US 1000 Range



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
RP option	Relay and photocell included Relay: N/O + N/C contacts; SPDT; 500 mA rated @ 24VDC; three-wire isolated relay Photocell: adjustable natural-light override ranges from 0 to 100 foot-candles (0–1,000 lux)
Coverage	500–2,000 square feet (depending on model)
Power requirements	24VDC, 33mA (uses UVPP and MP- Series power pack- not included)
Output	24VDC active high-logic control signal with short circuit protection and optional dry contact (see RP options) 24 VDC active high-logic control signal with short circuit protection
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
Dimensions	4.5" diameter, 1.5" height (114 mm diameter, 38mm height)
Weight	8.2 oz (232g)
Color	Off-white
Mounting	Mounting base provided Recommended mounting height: 8ft with a max mounting height of 12ft.
Certifications	UL and cUL listed
Warranty	Five-year limited

Ordering Information

OMNI®	US			
MODEL	TECHNOLOGY	COVERAGE	RELAY / PHOTOCCELL OPTION	QTI
OMNI	US Ultrasonic	500 500 sq. ft. 1000 1,000 sq. ft. 2000 2,000 sq. ft.	RP Relay & Photocell Blank No Option	QTI Quick to Install Blank No QTI



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