

OMNI® Low Voltage Dual Technology Ultrasonic and PIR

CEILING MOUNT OCCUPANCY SENSORS

TITLE
24
COMPLIANCE



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____



OMNIDT2000

The *OMNI DT* 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.

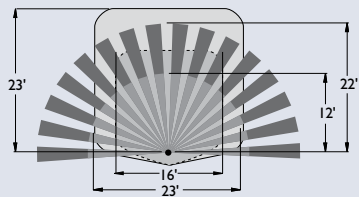
Throughout the product's lifespan, *IntelliDAPT* software analyzes the controlled area and makes digital adjustments to sensitivity and timer settings. Occupancy sensors with *IntelliDAPT* technology provide a maintenance-free install-and-forget operation.

PRODUCT FEATURES

- *IntelliDAPT* self-adaptive technology - no manual adjustment required
- 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)
- 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

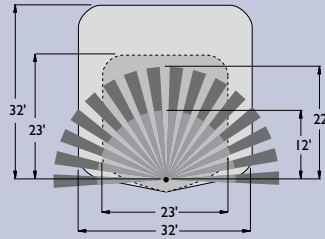


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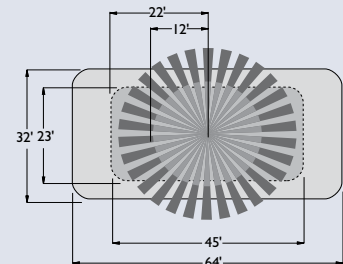
 US Minor Motion IR Minor Motion
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OMNIDT500



 US Minor Motion IR Minor Motion
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OMNIDT1000



 US Minor Motion IR Minor Motion
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OMNIDT2000

General Specifications

IntelliDAPT® Technology	Auto reset from test setting Self-adjusting timer Self-adjusting passive infrared thresholds Automatic false-on/false-off corrections
LED lamp	Red - infrared motion Green - ultrasonic detection
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 segmented Fresnel lens, integral filter excludes excess PIR energy from sunlight
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 to 1,000 lux)
Coverage	500 - 2,000 square feet
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)
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 [152.4 mm]
Dimensions	Ø4.5", 1.5" h [Ø114.3mm, 38.1mm h]
Weight	5.0 oz [142g]
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®	DT			
MODEL	TECHNOLOGY	COVERAGE	RELAY / PHOTOCELL OPTION	QTI
OMNI	DT Dual Technology	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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