

OMNI™ Low Voltage Dual Technology Ultrasonic and PIR

CEILING MOUNT OCCUPANCY SENSORS



PROJECT INFORMATION

Project Name _____

Catalog No. _____

Date _____



OMNIDT2000

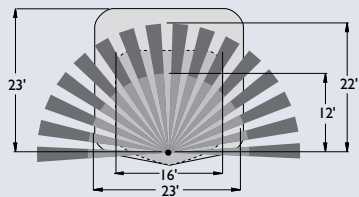
The OMNIDT combines ultrasonic (US) and passive infrared (PIR) technologies to turn lighting on and off based on occupancy. This dual technology provides accurate turn-ons while virtually eliminating false-offs. This sensor features Hubbell Building Automation's patented IntelliDAPT technology, which 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 provide a maintenance-free install-and-forget operation.

PRODUCT FEATURES

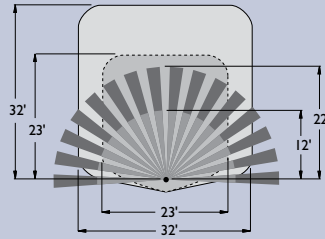
- IntelliDAPT self-adaptive technology - no manual adjustment required
- All-digital dual technology (ultrasonic [US] and passive infrared [PIR]) sensor
- Non-volatile memory for sensor settings
- 500–2,000 square-foot coverage area (depending on model)
- Optional relay and photocell control
- Optional Quick to Install (QTI) connector
- UL and cUL listed
- California Title 24 compliant
- Five-year limited warranty





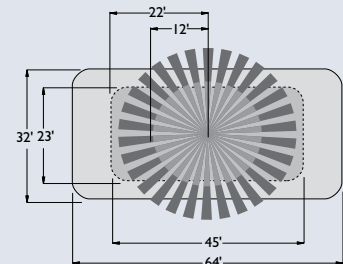
 US Minor Motion IR Minor Motion
 US Major Motion IR Major Motion

OMNIDT500



 US Minor Motion IR Minor Motion
 US Major Motion IR Major Motion

OMNIDT1000



 US Minor Motion IR Minor Motion
 US Major Motion IR Major Motion

OMNIDT2000

General Specifications

IntelliDAPT	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
Dimensions	4.5" diameter, 1.5" height (114 mm diameter, 38mm height)
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

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